

*Mr. Berryhill*

# Grand Canyon College



**CATALOG**  
*1963 - 1964*

## Directory of Correspondence

College Mailing Address	Grand Canyon College, 3300 W. Camelback Road, P. O. Box 11097, Phoenix 17, Arizona
Academic Matters and Admissions	The Registrar
Alumni Affairs	Secretary of the Alumni Association
Catalog, Publicity Materials, and Student Publications	Director of Public Relations
Counseling	Dean of Students
Student Employment	Dean of Students
Expenses, Financial Arrangements	The Business Manager
General Policy and Program, Faculty	Administrative Vice President and Dean
Gifts and Endowment	
Legal Matters	The President
Housing	Dean of Students
Scholarships	The Registrar
Tuition Grants for Ministerial Students	Chairman, Department of Religion
Student Association	Faculty Adviser, Student Association
Teacher Training	Director of Teacher Training
Veterans' Affairs	The Dean of Students

### INFORMATION FOR VISITORS

The Administration Building faces toward Camelback Road and is the central one of the three block buildings on Administration Avenue.

Office hours are 8 a.m. to 5 p.m. Monday through Friday and 9 a.m. to noon Saturday, except for office holidays: Labor Day, Thanksgiving Day, the afternoon of Christmas Eve, Christmas Day, the afternoon of New Year's Eve Day, and July 4.

Visitors are always welcome on the campus. If one anticipates a visit to the campus when offices are closed, arrangements can be made by writing to the Director of Public Relations. If a visit cannot be anticipated far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone: YE 7-4734.

# *Grand Canyon College*

3300 West Camelback Road  
**PHOENIX 17, ARIZONA**

A Four-Year College  
with a  
Liberal Arts Emphasis



**CATALOG FOR 1963-64**

## Foreword

It is the general purpose of Grand Canyon College to offer four years of college work in an environment that is genuinely Christian. It is the purpose of the Board of Trustees, the administration, and every faculty member of the College to attract capable, ambitious, well-balanced young people who can profit by a college education and who desire to enter the various fields of human endeavor: teaching, business, law, medicine, nursing, the ministry, and other church related vocations.

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# Academic Calendar

1963-64

## Summer, 1963

Pre-session .....June 3-7  
First Term .....June 10-July 13  
Second Term .....July 15-August 16  
Summer Commencement, Saturday .....August 17  
Post-session .....August 20-24

## Fall Semester

Faculty and Staff Retreat at Prescott, Thursday .....September 5  
Faculty meeting, and faculty committee meetings,  
Friday .....September 6  
Dormitories open, Sunday.....September 8  
Freshman orientation and tests,  
Monday and Tuesday .....September 9-10  
Registration of Sophomores and Juniors .....September 9  
Registration of Seniors and transfer students .....September 10  
Registration of Freshmen, Wednesday .....September 11  
Classes begin, 7:40 A. M., Thursday .....September 12  
Thursday evening classes begin, Thursday .....September 12  
Monday evening classes begin, Monday .....September 16  
Last day of registration for credit, Friday.....September 20  
Mid-semester examinations .....November 1, 4, 5, 6  
Mid-semester grades due, Friday .....November 8  
Last day courses may be dropped without penalty,  
Friday .....November 15  
Thanksgiving holidays .....November 21-24  
Classes resumed, Monday.....November 25  
Christmas holidays .....December 21-January 5  
Classes resumed, Monday .....January 6  
Final examinations for the Fall Semester .....January 16-21  
Grade reports due in the Registrar's Office by  
Noon, Wednesday .....January 22

1963

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JULY

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28 29 30 31

AUGUST

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18 19 20 21 22 23 24  
25 26 27 28 29 30 31

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1964

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MAY

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JUNE

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JULY

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26 27 28 29 30 31

AUGUST

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9 10 11 12 13 14 15  
16 17 18 19 20 21 22  
23 24 25 26 27 28 29  
30 31

# Academic Calendar

1963-64

## Spring Semester

Registration of Juniors, Seniors and transfer  
students, Monday .....January 27  
Registration of Freshmen and Sophomores, Tuesday.... January 28  
Classes begin, 7:40 A.M., Wednesday.....January 29  
Thursday evening classes begin, Thursday .....January 30  
Monday evening classes begin, Monday .....February 3  
Last day of registration for credit, Friday .....February 7  
Mid-semester examinations .....March 24-26  
Mid-semester grades due .....March 30  
Last day courses may be dropped without penalty,  
Friday .....April 3  
Spring holidays, Friday through Monday .....March 27-30  
Classes resumed, Tuesday.....March 31  
Baccalaureate Service, Monday .....May 25  
Commencement, Tuesday .....May 26  
Final examinations for the Spring Semester .....May 25-28  
Grade reports due in the Registrar's Office by Noon,  
Friday .....May 29

## Summer 1964

Pre-session .....June 1-12  
First Term .....June 15-July 17  
Second Term .....July 20-August 21  
Summer Commencement .....August 22

## Summer Sessions

In the summer session, the College offers a number of courses in each department. For information, write to the Dean of the College.

### APPRENTICE TEACHING DURING THE SUMMER SESSION

Apprentice teaching schedules are to be arranged individually in advance with the Director of Teacher Training.

Students who have degrees or who have 90 or more hours of college work and who have had teaching experience, may enroll for 6 hours of elementary apprentice teaching. Prerequisite: 8 hours of Education, including Elementary Education 343 (Language Arts), and Elementary Education 353 (Elementary Curriculum and Techniques). Students may earn up to 6 hours in this course.

Apprentice teaching, second session, on demand.

### ADMISSION TO THE SUMMER SESSION

Previously enrolled students in good standing are admitted as at any other time.

Prospective freshmen should file with the Registrar a complete official transcript of high school record.

Undergraduate students coming from other universities and colleges for only the Summer Session must present to the Registrar evidence that they are in good standing. Those who wish to continue in the fall semester must renew their applications and file complete transcripts of record from each institution previously attended.

Apprentice teachers should file a complete transcript and a health certificate.

### REGULATIONS CONCERNING COURSE LOAD

The maximum number of hours to be allowed during a summer term is six semester hours, unless one of the courses is a four hour course.

### HOUSING

For information regarding dormitory reservations, write to the Registrar.

### EXPENSES

Tuition for the summer session will be \$15.00 per semester hour. Room rent in the dormitory for each five weeks period will be \$40.00; board \$60.00.

(These rates are effective for 1963 only. Rates for 1964 will be published in the 1964 Summer Bulletin.)

## I. Admission

GENERAL REQUIREMENTS

METHODS OF ADMISSION

ENTRANCE REQUIREMENTS

TRANSFER STUDENTS

FOREIGN STUDENT ADVISER

REQUEST FOR ADMISSION FORMS

## Admission

### GENERAL REQUIREMENTS

The College is coeducational, interracial, and open to all students regardless of religious convictions.

An applicant must be at least 16 years of age.

An applicant must furnish satisfactory evidence of good moral character and, if transferring from another institution of higher learning, must furnish a certificate of honorable dismissal. If the records of the previous institution indicate dismissal for any reason, a statement of conditions under which the student could be readmitted must be submitted.

### METHODS OF ADMISSION

**By Certification:** Graduates of accredited high schools, who satisfy other requirements, are admitted to the College upon receipt of an official transcript sent directly by the Principal or Superintendent of the high school. All freshmen will be required to take the ACT test prior to admission.

**By Individual Approval and Examination:** Veterans over 18 years of age and other students who are above 21 years of age and/or who show evidence of maturity and ability to do college work may be accepted on approval. In order to determine whether such students have the necessary background to do college work, a battery of tests will be given.

Students who have not graduated from high school will be required to take tests administered by the College. The student's program of studies in Grand Canyon College will be conditioned by the results of the examination. Students who are found to need remedial courses will be expected to take such courses at the first opportunity.

Students should check the catalog for the dates of the entrance examinations.

### PRELIMINARY ENTRANCE REQUIREMENTS

High school graduates applying for admission to the College must secure registration forms from the office of the Registrar. A notice of acceptance will be granted when the applicant completes his file of forms in the Registrar's Office.

Before the notice of acceptance can be issued, the applicant must file, in the Registrar's Office, the following records:

1. A transcript of his high school record, including a statement of rank of the applicant in his graduating class. The responsibility for having the transcript mailed to the Registrar's Office rests with the student who makes application for admission.
2. A Health Certificate from his physician, on a form which the student will request from the Registrar's office.

3. A formal application from the student upon a form furnished by the College (page 13).
4. A matriculation fee of \$10.00.
5. A room reservation fee of \$10.00 and application for dormitory residence (dormitory residents only).
6. Two recent photographs (snapshots are not acceptable). The date of photograph must be indicated.
7. Three personal references, on forms to be provided by the College.

### HIGH SCHOOL UNITS REQUIRED FOR ADMISSION

For regular admission to the freshman class a student must be a graduate of an accredited high school, and he must rank above the lowest quarter of his graduating class. His units presented must include:

Subjects	Units
English* .....	4
Mathematics .....	1
Social Studies (one in history) .....	2
Science (laboratory course) .....	1
Electives .....	8

A high school graduate who ranks in the lowest quarter of his graduating class is not eligible for regular admission, but may enroll in the College on academic probation for the first semester. Probation may be removed by maintaining a "C" average in all work taken during the first semester, and provided that the student takes a course load of at least 12 hours. Freshmen must remove their probationary status in one year if they are to re-enroll without permission of the Admissions and Academic Regulations Committee.

### REGULATIONS PERTAINING TO TRANSFER STUDENTS

A student transferring from another college must file all forms required under Preliminary Entrance Requirements (see preceding page), with the exception of his high school transcript.

Before enrolling, a student transferring from another college must have on file in the Registrar's office a transcript of all credits from the institution last attended. A student may not disregard his record at any institution of higher learning in which he has previously been enrolled. Transcripts received through the hands of students are not acceptable as a basis for admission. It is the responsibility of the student to request that his transcripts be mailed to the Registrar.

Before enrolling, a transfer student classified as a senior must also file an Application for Graduation (see page 63).

Transfer students who do not present the required high school units from an accredited high school can be admitted only on the basis of excellent work transferred, and on condition that a "C" average be maintained during the first two semesters at Grand Canyon College.

\*(may be satisfied with 3 units of English, plus one unit in foreign language or in speech)

Grand Canyon College will accept credits from other recognized liberal arts colleges and from universities if the work to be transferred is not of a too highly specialized nature.

**A Guide to the Evaluation of Educational Experiences in the Armed Services** will be used in evaluating work submitted as a result of service in the Armed Forces.

Credit will not be given for any course transferred if the grade in that course is lower than a "C" or its equivalent. Quality points are not transferable. A course completed in another institution with a grade of "D" may be counted as a prerequisite for another course only upon approval of the instructor concerned.

A maximum of twenty-five semester hours of extension work and/or correspondence work will be accepted from other institutions.

A maximum of sixty-four hours of credit will be accepted from a junior college. The College will not recognize credits earned in a junior college after the student has completed sixty-four hours of college work.

Transfer students who do not have a "C" average in college work already completed are admitted under probation. They must maintain a "C" average during the first semester in Grand Canyon College while taking at least twelve semester hours of work. Probation must be removed during the first semester in order to re-enroll without permission of the Admissions and Academic Regulations Committee.

A student who has been asked to withdraw from another college because of poor scholarship or any other reason can be accepted only upon the following conditions:

(a) That the period of dismissal set by the former institution must have elapsed, and a statement of conditions under which he could be readmitted must be submitted.

(b) That, during his first semester, he shall, upon recommendation of the Admissions and Academic Regulations Committee, be required to withdraw, if withdrawal appears to be in the best interest of the student, and/or the College.

### FOREIGN STUDENT ADVISER

In cooperation with the National Association of Foreign Student Advisers, Professor Wang has been designated as Foreign Student Adviser at Grand Canyon College. Foreign students interested in enrolling should communicate with Mr. Shih Ming Wang, Grand Canyon College, P. O. Box 11097, Phoenix 17, Arizona.

## REQUEST FOR ADMISSION FORMS

To the Prospective Student:

Please place a check mark preceding each of the following forms you would like the College to send to you. They will be forwarded immediately upon receipt of your request.

\_\_\_\_\_ Application for Admission (Required)

\_\_\_\_\_ Health Certificate (Required)

\_\_\_\_\_ Application for Room Reservation (See catalog for dormitory residence regulation, Page 32.)

A limited number of employment opportunities on campus are available. Should you wish to apply, check below:

\_\_\_\_\_ Student Employment Application

See catalog information on available scholarships, loans, etc. Check below:

\_\_\_\_\_ Scholarship Application

\_\_\_\_\_ Loan Application

Signed (Your Name) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

This request form requires no postage. Remove it from the catalog and fold it for mailing. The College address is on the reverse side.



(Fold Here)

FIRST CLASS  
PERMIT NO. 4165  
Phoenix, Arizona

**BUSINESS REPLY MAIL**

No Postage Stamp Necessary if Mailed in The United States

*Postage Will Be Paid By*

**GRAND CANYON COLLEGE**

**P. O. Box 11097**

**3300 West Camelback**

**Phoenix 17, Arizona**

**Office of the Registrar**

(Fold Here)

## II. General Information

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LOCATION

CONTROL

HISTORICAL SKETCH

GENERAL PURPOSE AND OBJECTIVES

ACCREDITATION

THE CAMPUS

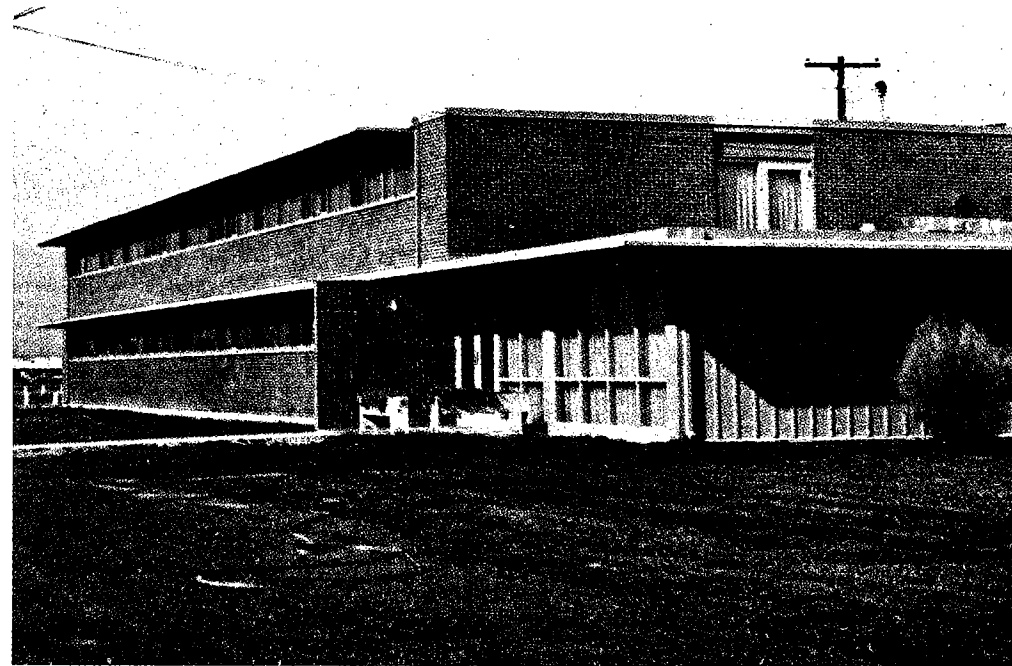
GUIDANCE PROGRAM

COUNSELING PROGRAM

TEACHER TRAINING AND PLACEMENT

ALUMNI ASSOCIATION

COLLEGE PUBLICATIONS



Bright Angel Hall  
New Residence Hall For Women

Administration Drive







DON KELLER PHOTO

## General College Information

### LOCATION

The College is located in Phoenix, Arizona, the capital city of the state. It is near the geographical center of the state and is a thriving industrial and agricultural city, with a population of more than 475,000 in the metropolitan area. Phoenix can boast of being in the proximity of more scenic and historical places of interest than probably any other city in the nation, most notable of which are the Grand Canyon of the Colorado, the Petrified Forest, Montezuma Castle, Oak Creek and Walnut Canyons, and Superstition Mountain.

Phoenix takes great pride in the enviable reputation she enjoys as one of the notable winter resorts of America. Many thousands of people come to Phoenix to spend the winter months in the Valley of the Sun, "Where Summer Spends the Winter."

Modern, hard-surfaced highways lead to Phoenix. It is easily accessible over transcontinental U. S. Highways 60, 70, 80, 66, and by way of 89A through scenic Oak Creek Canyon.

The Southern Pacific, Santa Fe, and Rock Island Railroads make Phoenix easily accessible by train. The Greyhound and Southern Trailways Bus Lines operate many schedules daily to and from Phoenix.

The American, Apache, Bonanza, Frontier, Trans-World, and Western Airlines make it possible for one to arrive at or leave Phoenix almost any hour of the day.

### CONTROL

The College is owned and operated by the Arizona Southern Baptist Convention.

### HISTORICAL SKETCH

The first definite steps toward founding Grand Canyon College were taken at the annual session of the Baptist General Convention of Arizona in November, 1946. On March 4, 1947, college trustees who had been selected by the Executive Board of the Convention chose Prescott as the site for the new college and Grand Canyon College as its name. The College was chartered on August 1, 1949; it first opened its doors for instruction with the fall semester, 1949.

The first four presidents of the college, Dr. Willis J. Ray, Mr. Leroy Smith, Dr. B. O. Herring, and Dr. Loyd R. Simmons, worked successfully toward the establishment of the College; its removal to Phoenix in September of 1951 and erection of the first permanent buildings on an 80-acre campus on West Camelback Road; and the securing of additional land, with plans for more buildings to accommodate the steadily increasing student body.

Dr. E. N. Patterson became president of the College on September 1, 1959, to face the challenge inherent in administration of this rapidly growing institution.

## GENERAL PURPOSE

The purpose of Grand Canyon College is to offer four year college work leading to the bachelor's degree in an environment that is genuinely Christian. Working toward this purpose, the board of trustees, the administration, and the faculty strive to attract capable, ambitious, and well-balanced young people who can profit by a college education in this environment and who are activated by ideals of service in the various fields of human endeavor.

## SPECIFIC OBJECTIVES

To attain the general purpose stated above, Grand Canyon College seeks to develop competent, properly balanced individual students—spiritually, mentally, socially, morally, physically, and aesthetically.

1. Grand Canyon College stresses an appreciation of spiritual realities of God's natural universe and laws, of God's institutions, and of God's plan and purpose in each individual life.

2. It endeavors to help the student use his mind in effective analysis, in accurate constructive thinking, in proper evaluation of evidence, in distinction of truth from error, and in developing creative scholarship.

3. Within the objective of social training it aims to instill proper evaluation of social values and to develop the attitudes of courtesy, enjoyment, and poise in association with people. It also seeks to instruct its students in the American way of life — our heritage of democracy, our traditional concern for human dignity and freedom — and to encourage them to make a contribution to the community through the community service activities.

4. Through moral training the college strives to develop in its students habits of clean living, clean speech, temperance, personal decency — to develop a sense of responsibility for doing high-grade, honest work and a proper regard for the rights and feelings of others.

5. In its physical training it aims to foster habits of healthful living, physical strength, and the enjoyment of participation in a variety of recreational activities.

6. It seeks to help each student to come to a better understanding and appreciation of aesthetic values and of man's efforts toward self-expression in the creative arts.

The curriculum of the college is set up to further its purpose of developing Christian leadership and thinking in all phases of man's activities throughout the world. At all times the fact is stressed that a liberal education is offered in a church-related school; and at the same time the student is offered a limited number of vocational subjects such as business and education.

## FACULTY

The instructional staff is selected with these objectives in mind, emphasis being placed upon character, scholarship, personality, and teaching ability. Evidences of character on the part of the staff include dynamic Christian living, regular and faithful church attendance, financial support of local and denominational institutions, active participation in church affairs, as well as maintenance of high standards of work and accomplishment for themselves and for their students equal to that of other recognized colleges and universities. Evidences of scholarship include the attainment of higher degrees earned, contributions in their fields of specialization, and habits of study and research. Teaching ability is largely judged by what the teacher's students know about a subject and by their interest and success in pursuing further study. Evidences of personality include exemplary habits, a sense of humor, self-control, humility, friendliness, sympathetic understanding, fair-mindedness, neatness in appearance, and punctuality and dependability in meeting all responsibilities in the College.

## STUDENTS

The type of students attracted to the campus will largely determine the success in achieving these goals and objectives. The students needed and desired are (1) those with capacity, personality, and background to do acceptable work; (2) those moved by ambitions of service to God and to man.

## ACCREDITATION

The College has been admitted to candidacy for membership in the North Central Association of Colleges and Secondary Schools.

The College is fully accredited by the University of Arizona, and credits are accepted on a basis of complete equality with those earned at other institutions. Graduates who have high academic records find no barriers to entering graduate schools.

The Arizona State Board of Education has given formal approval of the work done at the College for the certification of elementary teachers, for the renewal of certificates, and for the undergraduate training of high school teachers.

The College is approved by the Veterans Administration for education of veterans under Chapters 31, 33, and 35, Title 38, of the United States Code.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may now enter the College by establishing their eligibility in the usual academic way and furnishing evidence of financial ability to support themselves while in college.

The College is listed in the Education Directory for Higher Education of the United States Department of Health, Education, and Welfare.

The College is a member of the Association of Southern Baptist Colleges and of the Council for the Advancement of Small Colleges.

### THE CAMPUS

Located in the northwest suburbs of Phoenix and surrounded on all sides by new homes, the college campus contains 160 acres. The religion building and music building are stuccoed frame. Other buildings of the original campus are of low-roofed cottage style pumice block construction. They include three classroom buildings; an administration building; a faculty office building; a cafeteria; Kaibab Hall for men and Bright Angel Hall for women. A Student Center and pavilion, secured largely through the efforts of the students, also houses the bookstore. Grouped around a quadrangle landscaped with flowers and fast-growing Arizona shrubs and trees, all the buildings afford a view of the familiar and beautiful mountains surrounding the Valley of the Sun. While modest and unpretentious, the campus is comfortable and provides an attractive setting for the years of college living.

A campus development committee is in process of laying out the next unit of the campus to be developed. In connection with this program of more permanent and larger buildings, a gymnasium-auditorium and the Fleming Library were constructed in 1957. A new women's dormitory and health center were completed and ready for use in September, 1960. A new classroom building is ready for occupancy. The new classroom building is completely air-conditioned and contains four classrooms that will accommodate seventy-five students each; two classrooms for forty students each; two conference rooms for approximately twenty students each; and six offices for faculty.

### THE FLEMING LIBRARY

An addition to the Fleming Library completed in 1963 provides for much improved study facilities as well as greatly enlarging the capacity of the building. The new arrangement will make all the periodicals as well as the books immediately available to the users.

The College collection contains approximately 26,000 books and bound periodicals. Approximately 300 magazines and journals are received currently. Careful attention is being given to developing a collection that will adequately serve the needs of both students and faculty.

Students and faculty have access to numerous libraries within the City of Phoenix, including the State Capitol Library. The 402,740 volumes in the Capitol Library include 41,322 volumes of Arizoniana (the largest collection in existence); the federal government Serials; Patent Gazettes; departmental decisions; reports; bulletins; complete state documents and records; state, county, and municipal records on microfilm; periodicals; and 6,590 bound volumes of newspapers.

During the years, the College has received numerous gifts of books and money from friends, alumni, and faculty members. Some valuable gifts have also been received from other libraries.

### MUSIC LIBRARY

The Brantner Library of Recordings, housed in the Fleming Library, is one of the finest to be found in a college of arts and sciences. A listening room was dedicated to the use of those recordings in February, 1956. The records were collected by an Arizona cowboy, Chet Brantner, of Mohave County, over a period of more than 25 years. Soon after the opening of the College, he gave his entire collection, to the end that it might furnish inspiration to the students and bring enrichment and enjoyment to the lives of many people. It is composed of approximately 559 albums which contain a total of 5,665 selections. Some of these are collectors' items and include original recording by great voices of the Golden Age, such as Caruso, Melba, Galli-Curci, and Schumann-Heink. Valued at \$20,000, the collection has representative masterworks of all the traditionally honored composers from Gluck in the eighteenth century to such contemporaries as Villa-Lobos. Other friends of the College are adding albums to this collection.

### GYMNASIUM-AUDITORIUM

The red brick gymnasium-auditorium has an especially fine maple playing floor. It provides locker and shower facilities and equipment rooms for both men and women and contains office space and classrooms. A stage at one end is adequate for musical and dramatic performances. Bleachers will seat 1200; chairs on the playing floor will accommodate an additional 1500.

### BRIGHT ANGEL HALL

Bright Angel Hall houses sixty women students. The building is completely air-conditioned. The rooms are large and are well furnished.

### KAIBAB HALL

Kaibab Hall is a new two-story, fire-proof brick residence hall for men. It contains thirty rooms and will accommodate sixty men. The building is completely air-conditioned.

### CHARLES M. COOKE HEALTH CENTER

The Alumni Association of the College sponsored the raising of funds for this building. It is named in honor of the College Physician, who has served the College through the years without charge. The building contains the doctor's office, two treatment rooms, the nurse's office, and a reception room. It is adequately equipped to care for the most common medical needs of students and faculty.

### GUIDANCE PROGRAM

Educational and vocational guidance services, beginning with the freshman year, are provided without special fee to all students. These services include entrance examinations for mature students or veterans who have not completed high school, English placement tests, and psychological examinations. Test results are available to students on request.

A battery of additional educational and vocational tests is available to students who request them, for a fee of \$5.00. This service includes a vocational inventory, special aptitude tests, and general psychological examinations.

### THE COUNSELING PROGRAM

The counseling program is not a vocational guidance program but is planned to promote life adjustment and to increase the student's receptivity to the total college experience. This program is under the supervision of the Committee on Counseling, composed of the Director of Counseling, the Academic Dean, the Deans of Men and Women, and the Dormitory Directors. The program includes all students, and members of both the faculty and staff serve as counselors.

During each semester there are several group conferences, when each counselor meets with his small group of students. Topics suggested for discussion in the group conferences are distributed to both counselors and students for their study prior to the conference dates.

### TEACHER TRAINING AND PLACEMENT

The College offers teacher training on the elementary and high school levels. The apprentice teaching program is made possible by contract agreement with various public and private accredited schools in Arizona. All requirements for the elementary certificate may be met by majoring in the Elementary Education curriculum for a B.S. degree. After earning a B.A. or B.S. degree at this or any other college, candidates for the secondary certificate must secure a master's degree or complete 30 hours of work in a graduate school. The Arizona State Board of Education does, however, issue a pre-secondary certificate while teachers complete requirements for the secondary certificate. This certificate requires 6 hours of graduate work beyond a bachelor's degree.

A placement bureau is maintained without cost to graduates. A complete follow-up program for a period of five years is anticipated in the Teacher Placement Bureau.

### ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon College was organized in the spring of 1953 as the first four-year class was graduating. The constitution, adopted at the annual Homecoming meeting in January, 1955, provides for membership of graduates and those ex-students who have completed a minimum of 12 semester hours in residence. Only graduates may hold regular elective offices. The association's official bulletin, *Antelopes About*, appears quarterly during the school year.

### COLLEGE PUBLICATIONS

The *Grand Canyon College Catalog* is the official publication authorized by the Board of Trustees, approved by the Administration and Faculty. It sets forth the policies, courses of study, academic requirements, rules, and regulations for the student body.

The *Canyon Highways* is a bimonthly bulletin published by the College for the purpose of presenting the activities of staff and students, improvements and additions to the campus, and other items of interest to schools, churches, libraries, alumni, parents of students, and all other friends of the institution. A request to be placed on the mailing list will assure regular receipt of this publication.







### **III. Student Life**

27

FUNDAMENTAL REGULATIONS

DORMITORY OCCUPANCY

DISCIPLINE

RELIGIOUS LIFE

STUDENT ORGANIZATIONS AND  
ACTIVITIES

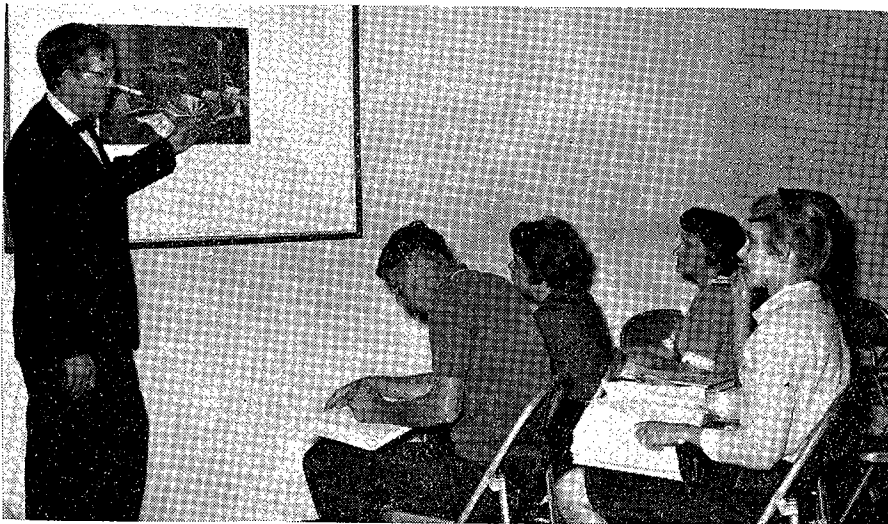
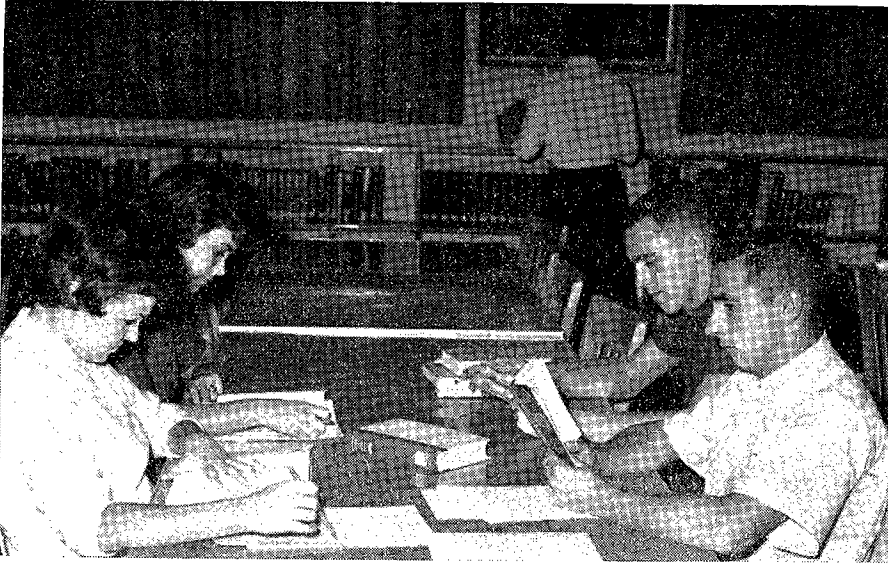
STUDENT PUBLICATIONS

HEALTH SERVICE

TRADITIONAL EVENTS

PHYSICAL EDUCATION AND  
INTERCOLLEGIATE SPORTS





## Student Life

### FUNDAMENTAL REGULATIONS

**FIRST:** All students registered in Grand Canyon College are expected to conduct themselves as ladies and gentlemen at all times and to obey the rules set up by the school, the laws of the City of Phoenix, of the State of Arizona, and of the United States.

**SECOND:** Students are not permitted to give entertainment during the college session, either on the campus or in the city, in the name of the school or any department or any organization of it, without the consent of the President, Dean, or Sponsor.

**THIRD:** Students representing the College in public performances must have a "C" average in approximately two-thirds of their work, eligibility to be determined at the end of each semester. (See rule on Eligibility for Activities, p. 45.)

**FOURTH:** To be eligible for election to any office the student must meet the following requirements concerning grades; (1) He must not be on academic probation. (2) If, during the preceding semester, he took fifteen semester hours or less, he must have received a grade of "C" in at least nine hours; if he took sixteen semester hours or more, he must have received a grade of "C" in at least ten hours. (3) He may not have a deficiency of more than ten quality points. (4) He must not be an entering student on academic probation. Eligibility is to be determined on the basis of semester grades.

**FIFTH:** No new club or society may be formed unless the faculty approves the design of such organization, the rules by which it proposes to be governed, and the hours of meeting. The faculty reserves the right to limit or disband any such organization.

**SIXTH:** Students are expected to be quiet and orderly in the residence halls or buildings and thoughtful of the rights of others. Each hall is governed by a Dormitory Director, and Council representing the hall.

**SEVENTH:** While the administration and faculty cannot assume full responsibility for students boarding off the campus, it reserves the right to make such regulations at any time as may seem advisable. The violation of the regulations on the part of a student may deprive him of the privileges of the College.

**EIGHTH:** All extracurricular activities which take students away from classes must first be approved by the Dean of Students.

**NINTH:** All students are expected to attend chapel exercises regularly. (See p. 48, Chapel Attendance rule.)

### DORMITORY OCCUPANCY

The date for opening of dormitories for the fall semester is published in each year's calendar.

During Christmas holidays the dormitories and cafeteria will be closed. During other recesses the cafeteria will be closed.

## DISCIPLINE

The Discipline Committee is charged with the administration of discipline. This committee has authority to rule in any case of irregular student conduct.

Any student who secretly marries while enrolled in Grand Canyon College will be suspended. Any student under twenty-one years of age who marries while enrolled in Grand Canyon College without the consent of parents or guardian will be suspended. The Discipline Committee of the Faculty will assess appropriate penalty for violation of this regulation.

No property belonging to the school or to other students is to be altered or removed without special permission. Any loss, damage, or breakage of school property will be charged to the student responsible for same.

Gambling, the use of profane language, and the drinking of intoxicating liquors are entirely forbidden on or off the campus.

Smoking will not be permitted on the campus except in living quarters.

NOTE: It sometimes happens that a student's presence in a residence hall is inimical to the best interests of the hall, and yet specific charges are difficult or embarrassing to make. Sometimes it is an accumulation of minor things which, taken separately, appear trivial. Sometimes the charges may be too serious to be openly preferred. In all such cases, the interests of the hall as a home and sometimes the interests of the individual himself demand that he change his residence. Therefore, the school in assigning rooms hereby explicitly reserves the right to cancel the reservation, either before or while the student occupies the room, without preferring any specific charge whatever. Only in such cases is room rent refunded. Students may petition for a student's removal without stating charges or having their names known to any persons except the President or Dean and the hall director.

All unmarried women students must reside in the dormitories, unless they live with their parents, or unless they have permission from the College to live with immediate relatives. Any exceptions to this rule must be applied for in writing and approved by the College before the student making the request is permitted to register. This same rule applies to all unmarried men students under twenty-one years of age, and all unmarried men twenty-one years of age or older must have permission to live off-campus before they are permitted to register.

All off-campus places of residence, for men or women students, must be approved by the College.

## RELIGIOUS LIFE

Emphasis is placed not only upon the training of the body and the mind, but also upon the development of the moral and religious nature. In chapel exercises, in class rooms, and in every relation where the occasion arises, it is in accord with the policy of the College that emphasis be given to the value of Christian living. Students are encouraged to join a local church of their own faith and belief and to attend the services regularly.

Organizations which provide opportunity for religious activity are:

**First:** The B.S.U. (Baptist Student Union) Council, which has general concern for religious activities of the school.

**Second:** The Ann Hasseltine Y.W.A. (Young Woman's Auxiliary), which meets every other week.

**Third:** Life Service Group is open to all students who wish to do personal work on the campus, through our churches, and on the mission field. This group meets twice each month.

**Fourth:** Ministerial Association. The College seeks to be a congenial home for young men who are preparing themselves for the gospel ministry. The Ministerial Association meets once each month for the purpose of discussing problems pertaining to the work of the ministry.

**Fifth:** Wives of Christian Workers consists of the wives of students preparing for full-time Christian service. This organization proposes to encourage the members to study God's word, to establish Christian homes, and to prepare for better life service.

The students conduct prayer meetings regularly in their halls. Vesper services are held, and a centrally located prayer room is available for private devotions.

A Spiritual Emphasis Week is conducted each year at some time during the regular session; and other periods of religious emphasis are observed, such as Religious Focus Week. Continuous emphasis upon Christian growth is maintained.

## STUDENT MARRIAGES

The College stresses a Christian approach to all areas of life, including marriage and family living. In order that a foundation for this type of marriage can be laid, the College believes that an adequate period of pre-marital preparation is necessary. The College does not encourage students to enter into marriage during the academic year since such marriages tend to create problems which concern both the student and the College. Students contemplating marriage during their college career are requested to counsel with members of the College staff. (See page 32 under Discipline.)

## STUDENT ORGANIZATIONS AND ACTIVITIES

### Intramural Athletic Activities

During the spring months in particular, a program of intramural sports is carried on in such activities as volley ball, tennis, horseshoes, badminton, softball, ping pong, etc., for both men and women.

### Student Council

The membership of the Student Council is composed of a man and a woman representative from each of the four classes and six officers elected by the student body at large—President, Administrative Vice President, Activities Vice President, Corresponding Secretary, Recording Secretary,

Treasurer. The purpose of the Council is to provide a means of mediation for any problem that may arise from the student body and to be a nucleus for planning sports, contests, or other events that will help build the morale of the student body. The Council meets once each week.

### Clubs

**Alpha Psi Omega**—A national honorary dramatic fraternity to recognize and reward all phases of student participation in college play production.

**Foreign Language Club**—For those interested in the languages and cultural contributions of other racial groups.

**International Relations Club**—Aims to promote better race relations at home, better international relations, a sense of citizenship responsibility, and to stimulate study of world-wide social, economic, and political problems. Regular membership is open to all interested students. The club has regional, national, and international affiliation.

**Pierian Club**—A popular literary and social club attracting students interested in dramatics and literature. Membership is open to all students majoring or minoring in English.

**Student National Education Association**—A nationally affiliated organization for all students who plan to enter the teaching profession.

**Varsity Club**—Composed of students who have lettered in sports. Serves as a social club and strives to promote more interest in athletics on the campus.

The **Radio Hobby Club**, open to all campus personnel, operates amateur station W7JJZ to train its members in radio fundamentals that will enable them to qualify for the amateur radio operator's license.

**Women's Recreation Association** seeks to provide a varied program of physical and social activities for every woman student.

**Canyon Commerce Club.** The purpose of the club is to inform the business student of the methods, opportunities, and the challenges of business.

**The Forensic Club.** The purpose of the Forensic Club is to promote and encourage student participation in all types of public speaking on both the intra-mural and the inter-collegiate levels.

### Educational Student Tours

An educational tour, which students may take at cost, is arranged for each Fall and each Spring semester.

The Fall tour to the northern part of Arizona includes such points of interest as Prescott with the first state capitol and the old Governor's Mansion (now a museum), the ghost city of Jerome, Oak Creek Canyon, Walnut Canyon Cliff Dwellings, Montezuma Castle, Sunset Crater and ice caves, Snow Bowl on San Francisco Peaks, and the Grand Canyon.

The Spring tour takes the student southward to Casa Grande Ruins, old Tucson, Tumacacori National Monument, Tombstone with its famed Boothill Cemetery and other sites made famous by the rip-roarin' Gold Rush days, Chiricahua Mountains, open pit mines at Bisbee, Sonora Desert museum, and Nogales.

### STUDENT PUBLICATIONS

*Canyon Trails* is the college yearbook, published annually by a student staff. Each holder of activity tickets for the two semesters is entitled to a free copy.

*Canyon Echoes*, the weekly campus publication, reflects the ambitions, achievements, joys and hardships of student life. It offers a splendid and frequently used vehicle for student expression and training in citizenship.

*The Antelope*, student handbook published and revised at intervals by the Student Council, makes available to every student detailed information concerning rules and procedures for approved student activities.

*Shadows*, a literary journal published by students of the advanced composition classes, contains short stories, verse, essays, and criticism contributed by the students.

### STUDENT HEALTH SERVICE

Medical and hospitalization insurance is available at a nominal cost of \$9.50 per semester.

The College retains the services of a physician on a part-time basis. He is assisted by a graduate nurse employed by the College.

Students will be examined at such times and in such manner as may be deemed necessary by the College.

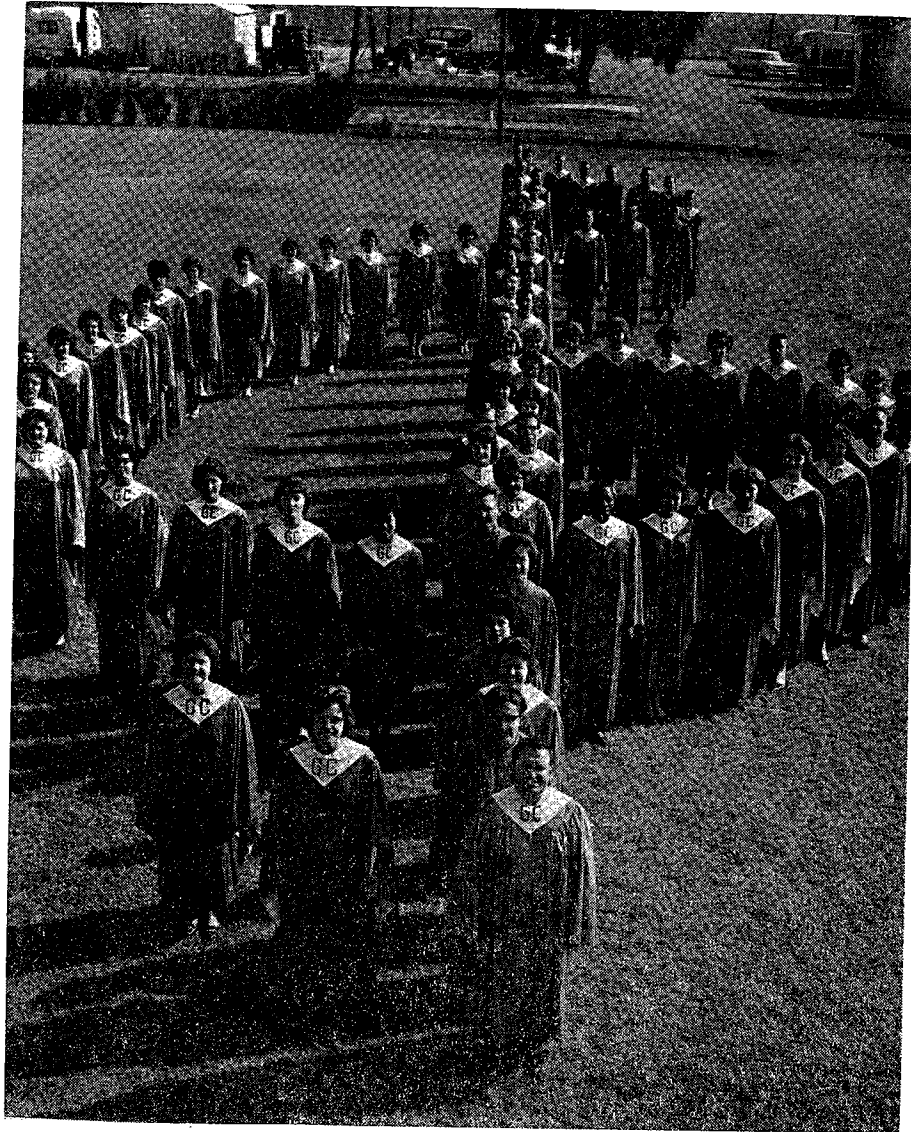
Athletes must be approved by the College physician before being permitted to participate in major sports. Examinations will be repeated periodically during the time of such participation.

All appointments with the College physician must be made through the College nurse. A student who wishes to retain a physician other than the College physician is personally responsible for the expense incurred thereby.

Chronic or congenital illness and illness contracted before entering college are not the responsibility of the college.

Students with acute contagious or childhood illness may not remain on campus. It is their responsibility to find other accommodations.

Students who have had to withdraw from college for medical reasons will be required to furnish a satisfactory health certificate before being permitted to re-enter.



## TRADITIONAL EVENTS

Baptist Student Union Pre-school Retreat

All-school Welcome Party

Faculty and President's Reception

All-school Picnic

State B.S.U. Convention

Harvest Festival

Spiritual Emphasis Week

Thanksgiving Breakfast

Dramatic Presentations

Christmas Party

Choralaires' Christmas Concert

Caroling Party

Homecoming

Annual Spring Banquet

Choralaires' Tour

Mom and Dad's Day

Honors Day

High School Senior Day

Music Recitals

Public Forums sponsored by International Relations Club

Choralaires' Easter Concert

Installation of Student Council

B.S.U. Spring Retreat

B.S.U. Installation Banquet

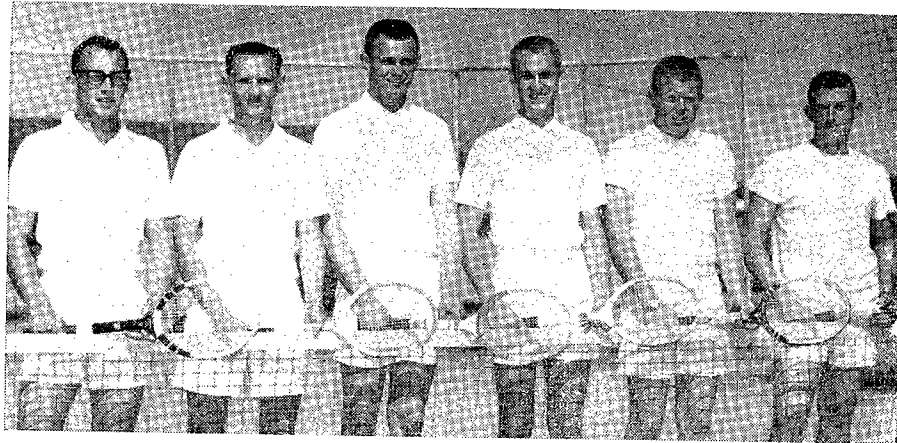
Antelope Day

Varsity Dinner

Junior-Senior Banquet

Senior Class Day





## PHYSICAL EDUCATION AND INTERCOLLEGIATE ATHLETICS

### Physical Education

A physical education program is correlated with the health program of the College. Four semester hours of credit in physical education are required of all students as well as three hours in health content subjects.

The physical education activity courses should be taken in the freshman and sophomore years, but for transfer students and others who have postponed this training it must be made up before graduation.

The College employs competent physical education instructors and a coach for major sports.

### Intercollegiate Athletics

Grand Canyon College believes in training the body as well as the mind and soul. Perhaps nothing encourages an interest in physical exercise more than college athletics. While it usually happens that those who are on the team are already developed and therefore do not need the intercollegiate contests for their own physical growth, most of them were originally aroused to an interest in the development of their bodies either by practicing in games or by watching the games of others.

In order that our collegiate teams may be a credit to the institution and that it will be a compliment to a student to be a member of the team, the College has adopted the following rules:

1. None but bona fide students of this institution shall be allowed to participate in intercollegiate or interscholastic contests. By "bona fide" student is meant any student

(a) Who is carrying a regular course of study of not fewer than twelve hours and who was enrolled at or near the first of the term in which he plays; and

(b) Who has at least a "C" average in approximately two-thirds of his work, as set forth in the rule on "Eligibility for Activities," Page 45.

2. A member of the faculty shall accompany all teams when away from the College.

3. All funds shall pass through the books of the College office and all checks be signed by the Business Manager. The President shall approve all contracts or orders involving money.



## IV. General Regulations

CHANGE OF CLASSES

DROPPING OF CLASSES

GRADING SYSTEM

SCHOLARSHIP SUPERVISION

GRADUATION WITH HONORS

NUMBERING OF COURSES

LOSS OF CREDIT

ABSENCES FROM CAMPUS AND CITY

ELIGIBILITY FOR ACTIVITIES

CLASSIFICATION OF STUDENTS

SELECTION OF MAJOR AND MINOR SUBJECTS

CORRESPONDENCE AND EXTENSION WORK

EVENING CLASSES

COURSE LOAD

MAXIMUM HOURS IN A SUBJECT

CLASS ATTENDANCE

CHAPEL ATTENDANCE



## General Regulations

### DORMITORY OCCUPANCY

See academic calendar for dates that dormitories and cafeteria open.

### CHANGE OF CLASSES

A change in classes may not be made without the written consent of the Professor or Professors concerned and the Dean; and the permit must bear the Business Manager's stamp. Any student who makes a class change without a change card properly filled in and filed with the Registrar before the close of the registration period shall not receive credit for the work of the course in question. Tuition may be remitted when changes are made upon the recommendation of the Dean or President, or if necessitated by any changes made in the program by the Dean. Tuition is remitted only upon the approval of the President or Dean.

A student may not enroll for a new course after the last date to enroll for credit as shown in the academic calendar.

### DROPPING OF CLASSES

A student may not drop a course after the end of the tenth week without receiving a grade of "F," except in case of unusual reasons, which will be evaluated by the Dean. Notice of intent to withdraw in case of illness should be filed as soon as possible after the student becomes ill.

Any student who officially withdraws from school at any time during a semester will be given the grade of WP or WF, depending on his standing in each course at the time of his withdrawal.

A student who discontinues a course at any time without filing a "drop" card, or without officially withdrawing from the College, will be given a grade of "F" in the course.

### GRADING SYSTEM AND QUALITY POINTS

Grade	Meaning	Quality Points per Hour
A	Superior	3
B	Above Average	2
C	Average	1
D	Barely Passing	0
F	Failure or unauthorized withdrawal	-1
P	Postponed	0
WP	Authorized withdrawal, passing	0
WF	Authorized withdrawal, failing	0
Cr	Credit, or requirement completed— no grade given	0

A failure may be removed only by re-enrolling for the course and repeating it in class. P, indicating incomplete work or absence from examination by excuse, must be removed within the next semester; otherwise the incomplete grade becomes F.

A student may be permitted to repeat a course to raise a grade of "D," only upon recommendation of the Department concerned. The last grade earned will be considered the grade of record, as applied toward credit for graduation.

For graduation a student must present a minimum of 128 semester hours of credit and at least one quality point for each hour earned at Grand Canyon College. Even when more than 128 hours are presented, the number of quality points must at least equal the number of hours earned at Grand Canyon College. It is not enough to have the required number of credits; they must be of a standard quality. Besides an over-all "C" average, a student must have a 1.5 average in his major with no grade below "C" in an upper division course in his major. Candidates for secondary certificates must have a "B" average in their teaching major.

In calculating a student's grade point average in his major, work transferred in his major will be evaluated on the same basis as work taken at Grand Canyon College.

### SCHOLARSHIP SUPERVISION AND SUSPENSION

The faculty regulation regarding academic deficiency is designed to provide close supervision of the program of study and progress of students who fall below an average grade of "C," which is required for graduation. Each student whose cumulative average falls below the grade of "C" is informed of his status at the end of the semester and of the consequences of continued academic deficiency, and is given such advice and help as fits his individual case.

Any student, other than a freshman who has completed only one semester, who received a grade below "C" on any work taken the preceding semester may be asked to apply for permission to continue as a student at Grand Canyon College. The application should contain an explanation, if any, for the unsatisfactory or postponed grades, and a statement outlining what the student intends to do to improve his scholarship.

A student whose cumulative academic average work taken in Grand Canyon College drops below "C", will be placed on academic probation, which is continued until the "C" average is regained. If a student on probation fails to earn a "C" average in any semester, he is subject to suspension, and he may re-enroll only upon permission of the Admissions and Academic Regulations Committee. A freshman entering from the lowest quarter of his graduating class in high school enters on probation. A freshman so admitted may take two semesters in which to attain a "C" average. Transfer students with less than a "C" average in work already completed are admitted on probation and must remove their probationary status in one semester if they are to re-enroll without permission of the Admissions and Academic Regulations Committee. (P. 11).

### GRADUATION WITH HONORS

Students who have attended Grand Canyon College for at least four semesters (not including summer sessions) as bona fide students and have made an average of 2.40 or above quality points for each hour of credit on work taken at Grand Canyon College graduate as honor students. If the average is 2.40-2.59, graduation will be **with distinction**; if the average is 2.60-2.79, graduation will be **with high distinction**; if the average is 2.80-3.00, graduation will be **with highest distinction**.

### NUMBERING OF COURSES

The courses in the different departments are numbered from 100 to 499.

Courses from 100 to 199 are Freshman courses.

Courses from 200 to 299 are Sophomore courses.

Courses from 300 to 399 are Junior courses.

Courses from 400 to 499 are Senior courses.

### LOSS OF CREDIT

Any student leaving a required freshman course until the senior year shall receive one hour less credit per course for the delayed work, except for a required course in physical education activity.

A senior taking a freshman level elective course will be required to earn a minimum grade of "B" in order to receive full credit in the course; otherwise the credit will be reduced one hour.

### ABSENCES FROM CAMPUS AND CITY

The Dean of Women or the Dean of Students may restrict absences from the campus and city of students whose scholastic standing is in question. Absences of residents in the dormitories are further restricted by policies of the halls concerned.

### ELIGIBILITY FOR ACTIVITIES

To be eligible to represent the College in extracurricular public performance a student must meet the following requirements regarding grades: If, during the preceding semester, he took 15 hours or less, he must have a grade of "C" in at least 9 hours; if he is taking 16 hours or more he must have a grade of "C" in at least 10 hours; he may not have a deficiency of more than 10 quality points. Eligibility is to be determined at end of each semester. (See page 39, Intercollegiate Athletics, 1a.)

"Extracurricular public performance" in this regulation is defined as follows: (1) Performances on the campus to which the public is explicitly invited, and (2) All off-campus performances in which the students participate by arrangement made by a member of the faculty or staff of the College.

This rule does not apply to ministerial students in regard to their

preaching in churches. They are not considered as representing the College, but the particular denomination to which they belong.

Any freshman or transfer student entering on academic probation is ineligible to hold office in any student organization until his probationary status is removed.

### CLASSIFICATION OF STUDENTS

Most students will be **regularly classified**, as follows:

- (1) A student will be classified as a freshman who enters without condition, and who is carrying at least twelve hours of freshman work.
- (2) A student will be classified as a sophomore who has at least 30 semester hours of college work to his credit and 30 quality points.
- (3) A student will be classified as a junior who has at least 60 semester hours to his credit and 60 quality points.
- (4) A student will be classified as a senior who has at least 90 semester hours and one quality point for each hour and is not notably deficient in spelling, reading, and English grammar. (See p. 63. **English Usage**.)

**Unclassified** students—those students who have not met the entrance requirements.

**Special** students—those students who are eligible to do college work but are not working toward a degree.

**Auditors**—those students who are enrolled in regular courses for no credit.

### SELECTION OF MAJOR AND MINOR SUBJECTS

Not later than the beginning of his junior year each student must choose the department in which he wishes to major. He must then consult the head of that department regularly thereafter in selecting the courses of study to be pursued. A change of major must be approved by the two major professors concerned, the Dean, and Registrar.

### CORRESPONDENCE AND EXTENSION WORK

At the present time, extension courses are offered only in the Department of Religion, in cooperation with the Seminary Extension Department of the Southern Baptist Convention. These courses, on the college level and taught by instructors approved for college teaching, carry equivalent credit to other courses offered in the Department of Religion.

Correspondence work is not offered by the College.

Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. Any such work done at any time by a student while enrolled in Grand Canyon College must have the express approval of the College, in order for such work to be acceptable.

### EVENING CLASSES

Based upon the demand, numerous courses are offered in the evening primarily for the benefit of townspeople who wish to take college courses but are unable to attend classes during the day.

### REGULATIONS CONCERNING COURSE LOAD

Boarding students will not be allowed to carry fewer than twelve semester hours of work, except upon the advice of the College Physician or by special consent of the Dean.

Freshmen may not normally register for more than sixteen hours during the first semester. A student may not register for more than seventeen hours unless during the preceding semester he made an average of "B" or above. The maximum number of hours for any student is normally eighteen. The maximum number of hours to be allowed during a summer term is six semester hours, unless one of the courses is a four hour course. Otherwise, special permission must be obtained from the Dean or Academic Regulations Committee.

Carrying a normal course load in a college is considered to be a full-time job. For this reason the following rules have been adopted for the protection of students who find it necessary to earn part or all of their college expenses:

1. Students who have employment other than school work may not at any time take over sixteen hours.
2. Students working 30 hours per week or doing full time work of any kind who are not making an average of "C" at the end of the first four weeks will be requested to reduce their course load in proportion to their grade deficiency.

### MAXIMUM NUMBER OF HOURS IN A SUBJECT

A regular student will not be allowed to take more than forty-two semester hours for credit in any one subject.

### REGULATIONS CONCERNING CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The student alone assumes responsibility for all absences. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Dean of Students.

2. To secure permission to make up work missed by absence, the student must clear any absence within one week after his return to class in the manner prescribed by his instructor.

3. Regular and punctual attendance will be considered in assigning grades. If a student is absent for any reason, authorized or unauthorized, more than four times the number of times the class meets per week, he will be given a grade of "F" for the course, regardless of the quality of his work in other respects. The instructor will notify the Registrar's Office in writing so that the necessary drop forms may be initiated.

- 4. Absences on days immediately preceding or immediately following holidays must be authorized by the Dean of Students, all such absences to be recorded as double absences.
- 5. Class attendance records will be effective as of the first day of class meetings in each semester.

REGULATIONS CONCERNING CHAPEL ATTENDANCE

All students taking nine or more semester hours of daytime work must attend chapel. If absences from chapel exceed four times the number of chapel meetings per week, the student shall be penalized one-half semester hour's credit; he shall be penalized another one-half semester hour's credit for each additional four chapel absences.

**V. Financial Information**

EXPENSES

STUDENT ORGANIZATION FUNDS

PART-TIME WORK

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LOANS

SCHOLARSHIPS AND TUITION GRANTS

AWARDS

## Financial Information

### EXPENSES

The regular school year is composed of two semesters. Each semester is 18 weeks in length. Summer school sessions are called terms.

The expenses of a student are due and payable at the beginning of each semester or term and must be paid or satisfactory arrangements concerning them made with the Business Manager before the student can enroll in any class. A student may make a note for a portion of his account, on which interest will be charged at the rate of 6 per cent per annum from the date of the note.

STUDENTS HAVING UNPAID BILLS AT THE END OF THE SEMESTER OR TERM WILL NOT BE ADMITTED TO THE FINAL EXAMINATIONS UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE. A number of loan funds are available to needy students. See the loan fund section under "Student Assistance." Arrangements for loans should be made at least two weeks before the semester ends.

There will be a \$2.00 late payment penalty for each day that the Business Office issues a permit for the student to take examinations because accounts are not cleared by the student. Permits to take examinations will be issued at the discretion of the Business Manager.

The Board of Trustees reserves the right to change all fees and charges from time to time if necessary.

### Registration Fees and Tuition

(See below for Evening School charges)

Tuition per semester hour — 1 through 15 hours .....	20.00
(Student taking required remedial courses will be charged \$10 per semester hour)	
Tuition for 16th hour — no additional charge.	
Tuition per semester hour, 17 or more hours — per hour.....	20.00
Audit fee, per semester hour .....	7.00
Tuition for private lessons in voice, piano, and organ, per semester (These charges take the place of semester hour charges listed above.):	
Two half-hour lessons per week (2 semester hours cr.).....	60.00
One half-hour lesson per week (1 semester hour cr.) .....	40.00
Practice room one hour per day, Voice or Piano .....	8.00
Additional hour per day .....	2.00
Practice room one hour per day, Organ .....	10.00
Additional hour per day .....	5.00

### Other Fees

Student Services Fee, per semester .....	\$ 25.00
(Paid by all students taking 9 semester hours or more, except those enrolled in Evening School only.)	
Late Entrance Examinations Fee.....	5.00

Late Registration .....	5.00
(Financial record cards turned in to the Business Office on the third day or later after classes begin will be charged late registration fee.)	
Returned checks, each .....	2.00
Late Examination Fee .....	2.00
Permit to take examinations, per day .....	2.00
Course changes after close of regular registration .....	2.00
Parking fee per semester	
9 hours or more .....	5.00
8 hours or less .....	2.50
Charge for registering second car .....	.50
Penalty for clearing accounts after the deadline date at the beginning of the semester if taking	
9 or more hours, penalty per week late .....	5.00
8 or less hours, penalty per week late .....	2.50
Transcript of credits, except the first .....	1.00

**Evening School Charges**

Tuition per semester hour .....	\$ 15.00
Parking Fee per semester .....	1.00
Late registration .....	2.00
Audit fee, per semester hour .....	7.00

Evening School students will not be required to pay the Student Services fee. Charges for laboratory courses will be \$7.00 per laboratory course taken. Any student taking a day course will be considered a day student.

**Summer School Charges**

Tuition per semester hour .....	\$ 15.00
Room per summer term (Air Conditioned) .....	40.00
Board per summer term .....	60.00
Student Services Fee per summer term .....	2.50
Parking fee per summer term	
4 hours or more .....	1.50
3 hours or less .....	1.00

**Special Charges**

Matriculation Fee (Not refundable) .....	\$ 10.00
This fee must be paid before the Registrar's office will set up a file for a student entering Grand Canyon College for the first time. This fee does not apply to students taking evening courses only.	
Dormitory room reservation .....	10.00
(Will be applied toward room rent)	
Should the student decide not to enroll, these deposits may be refunded if the college is so notified by August 15 for the fall semester or January 15 for the spring semester.	
Breakage deposit .....	10.00

This deposit will remain in effect as long as the student plans to continue his studies and will be subject to charge for property loss or damage; breakage or violation of rules in any laboratory, department, or the library; for loss of keys; and for other miscellaneous charges. Each semester the breakage deposit will be restored to the \$10 balance if a charge has been made against the deposit during the previous semester. Upon completion or termination of the student's course of study written application may be made for refund.

**Room and Board**

Room rent will be \$150.00 per semester, which will be charged at the time the student registers. ROOM RENT IS NOT REFUNDABLE AFTER ONE WEEK FROM THE FIRST DAY OF CLASSES. Linens, towels, blankets, and pillows must be furnished by the student.

Room rent will be charged at the rate of \$1.25 per day for those students staying in the dormitories other than when the school is officially in session. These charges will apply during the Christmas holidays, between the spring and beginning of the first summer term, and between the end of the summer term and the opening of the fall semester.

Students will be billed for their board at the time they register. The student may purchase either a five-day or a seven-day meal ticket. There will be a \$2.00 fee for changing the meal ticket after registration. There will be no refund for students missing meals from time to time or while on college-sponsored tours. Board prices are set realizing that students will miss meals occasionally. The cafeteria will be closed during the Thanksgiving, Christmas, and Easter vacation periods.

Board costs are as follows:

Five-day meal ticket, per semester .....	\$160.00
Seven-day meal ticket, per semester .....	190.00

Individual meals may be purchased for cash at the cafeteria by off-campus students, college staff, and guests at a rate to be determined.

**Summary of Minimum Expense for One Semester for Boarding Students**

Dormitory room .....	\$150.00
Meals in the cafeteria, seven-day meal ticket .....	190.00
Tuition (16 hours) .....	300.00
Books and supplies (estimate) .....	30.00
Student services fee .....	25.00
Medical and Hospitalization Insurance .....	9.50
Total expense for one semester .....	\$724.50
Breakage deposit (first semester only — refundable) .....	10.00
Total expense for new students .....	\$734.50

**Refunds**

If a student is forced to withdraw from school because of sickness or other unavoidable causes, approved by the administration, charge will be based on the scale listed below beginning with the first day of classes.

IN ORDER TO GET A REFUND, THE STUDENT MUST MAKE AN OFFICIAL WITHDRAWAL AT THE TIME HE IS LEAVING SCHOOL. Proper forms for withdrawal may be picked up at the Registrar's office. Refunds will not be made by the Business Office until the Registrar's office gives the Business Office an official notice of withdrawal. Refunds are effective the date the student notifies the Registrar's office of his withdrawal.

Attendance of one week or less	\$ 25.00
Attendance between one and two weeks	10% of total tuition
Attendance between two and three weeks	20% of total tuition
Attendance between three and four weeks	40% of total tuition
Attendance between four and five weeks	60% of total tuition
Attendance between five and ten weeks	70% of total tuition
After ten weeks	100% of total tuition

Fees are not refundable after the first week.

The minimum charge for any student dropping out will be \$10.00 regardless of whether the student has attended classes or not. Minimum charge for dropping from the Evening School will be \$5.00. After the fifth week, refunds will be made for complete withdrawal but not for dropping individual courses.

Room rent will be charged on the basis of \$1.25 a day for the portion of a month in which a student withdraws from school, but charges are not to exceed the regular monthly charge. Meals will be charged on a proportional basis for the portion of a month in which a student withdraws. The day of withdrawal will be counted as one full day.

All refunds due students for any reason whatsoever will be forfeited unless called for on or before June 30 of the college year in which they are due. Should June 30 fall on Sunday or on a day when the Business Office is closed, the refund will be made on the next business day.

### ORGANIZATION FUNDS

All student organizations are required to deposit their funds with the college Business Manager. The College disburses funds when requested by the sponsor of the organization and the president or treasurer.

### STUDENT ASSISTANCE

#### Part-time Work

Every effort will be made to assist students in obtaining part-time employment. Under ordinary circumstances, those who plan to earn their way should have enough money to carry them through the first semester. Money earned while working on campus will be applied toward payment of the student's account. If the student's account with the College is current, his earnings will be paid to him in cash or they may be applied to current semester's expenses or to expenses of future semesters.

A large number of jobs are available for both men and women students. Campus jobs include secretarial, switch board, custodial, cafeteria helpers, laboratory assistants, yard work, maintenance, library assistants, accompanists for the Music Department, and dormitory assist-

ants. Campus jobs pay from 75c to \$1.00 an hour. In addition to campus jobs, there are many off-campus jobs available. Contact the Dean of Students in regard to off-campus jobs.

### Loans

The College is eager to assist worthy students. The following loan funds are administered by the College; information concerning loans may be obtained from the Business Manager. Loan applications should be made at least two weeks in advance of need. All loans exceeding \$25 require a co-signer regardless of whether the student is 21 years of age or not.

**Adair Loan Fund.** Made available by Mr. and Mrs. Oliver Adair, Phoenix, Arizona. Restricted to **freshmen**.

**Anonymous Loan Fund.** An anonymous contributor established this fund for loans to be made to **ministerial** students in need.

**Lt. Stephen A. Beck Student Loan Fund.** For **senior** students who have maintained at least a "C" average every semester while attending Grand Canyon College.

**Orvilla Briscoe Memorial Student Loan Fund.** This loan fund is for **junior** or **senior ministerial** students with at least a "C" average in their work. The student may borrow up to \$250 per semester and the loan may be repaid starting four months after he ceases to be a full-time student at Grand Canyon College. After payments begin the student has 36 months to pay off the loan. This loan fund was made available by Mr. and Mrs. B. D. Gladden.

**The Katherine Brooks Loan Fund.** This fund was established by Mr. and Mrs. Troy E. Brooks. Its purpose is to assist worthy young **ladies** in the **junior** and **senior** classes who need help financially to enable them to complete their college work.

**J. W. Caperton Foundation Student Loan Fund.** This loan fund was made available by Mr. J. W. Caperton of Tunica, Mississippi, for **ministerial** students. This is a revolving loan fund for students preparing for the ministry who need access to loan funds from time to time.

**Peter H. Ethington Memorial Student Loan Fund.** These funds are provided by members of the Ethington family. Available to **all students**.

**First Baptist Church, Ajo, Arizona, Student Loan Fund.** This loan fund is available for students who have spent one year of training at Grand Canyon College and are preparing for **full-time Christian service**. The loan may be repaid starting one year after the loan is made; the first year of the loan is interest free. After the first year the note will bear 6 per cent interest per annum.

**Bessie Fleming Student Loan Fund.** Funds were provided by Dr. and Mrs. William Fleming of Fort Worth, Texas. Available to **all students**.

**National Defense Student Loan Fund.** This fund was established in 1958 by the federal government. These funds are available for needy students in any field of study although the Act specifies that "in the selection of students to receive loans . . . special consideration shall

be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity and preparation in science, mathematics, engineering, or a modern foreign language." Funds may be paid back beginning one year after the student ceases to be a full-time student. The loan may be paid back over a ten-year period.

**Navajo Loan Fund.** For the education of worthy **Navajo Indian students.** (Or other students when not needed for Navajo students). Made available by Mr. Leo Berndt, Muskogee, Oklahoma.

**Student Loan Fund.** A small revolving fund made available by members of the faculty for emergency needs. Open to any approved student for a maximum of \$25.

**L. B. and Mabel Vaughn Student Loan Fund.** This fund was established by Mr. and Mrs. L. B. Vaughn to make funds available for worthy students or to prospective students of Grand Canyon College in need thereof for their entrance into, and their maintenance, while attending Grand Canyon College.

**United Student Aid Funds.** This is a private, non-profit service corporation which endorses low-cost, long-term loans made by local banks to needy college students. USA Funds serves as an intermediary between the student's public-spirited hometown bank (which makes the loan at cost or below) and the student's college (which underwrites the loan by depositing funds in the USA Funds reserve.) The student must be a **sophomore, junior, or senior**, and have at least a "C" average in his work in order to get this loan. The loan may be paid back over a three-year period beginning four months after the student ceases to be a full-time student. After payment begins the student has three years to pay back the loan.

**Scholarships and Tuition Grants**

**General Regulations:**

- 1. No student may receive a combination of scholarships or tuition grants administered by the college that will total more than 70% of the cost of tuition, except for the publications tuition grants which are work scholarships.
- 2. Ministerial tuition grants are available during the regular fall, spring, and summer terms. Scholarships are not available during the summer terms.
- 3. Grade average requirements for all scholarships are regulated by the Scholarship Committee.

**Ministerial Tuition Grants**

Tuition grants up to four years are available to ministerial students, wives of ministers, and children of ministers. Ministerial students, ministers' wives, and ministers' children may, when approved, be granted a maximum of the following percentages of tuition:

Those affiliated with the Southern Baptist Convention:

Ministers .....	40% of tuition
Ministers' Wives .....	20% of tuition
Ministers' children .....	16% of tuition

**Requirements:**

- 1. The student must meet the college entrance requirements.
- 2. The tuition grant does not apply to courses that are audited.
- 3. The student must not use tobacco or alcoholic beverages and must be deserving.
- 4. A minister must be licensed or ordained before the beginning of a semester for which the grant is made.
- 5. A minister must take a first minor in Bible or Religion. (He should enroll in one such course each semester until the first minor is completed.)
- 6. The student must attend monthly meetings of the Ministerial Association unless excused by the Head of the Department of Religion.
- 7. No college graduate is eligible.
- 8. Korean veterans may qualify.
- 9. Male ministers affiliated with the Southern Baptist Conventions are included.
- 10. Divorced ministers are considered individually.

For further information regarding these grants, write to the Registrar.

**Departmental Scholarships**

A Departmental Scholarship will be offered in each department that offers a major, in the amount of 35% of tuition.

**Requirements:**

- 1. A minimum residence at the college of one semester (12 hours or more).
- 2. Junior or Senior standing and declaration of major in the department.
- 3. An overall average of "B" on all work taken in the college and an average of "B" in the department offering the scholarship.

**Laura A. Wadsworth Scholarships in Education**

Students will be recommended by the Education Department to Mr. and Mrs. Acord of Houston, Texas. Upon their approval, the scholarships will be awarded to Sophomores, Juniors, or Seniors who have demonstrated their academic as well as their activity abilities at Grand Canyon College. Two scholarships will be awarded each year.

**Honors Scholarships**

A limited number of honors scholarships for 70% of tuition are available to freshmen, during the year following high school graduation, who ranked in the upper 5 per cent of their class in high schools with fewer than 1,000 students and in the upper 10 per cent in larger high



schools. These scholarships are renewable for the full four years of college, provided a "B" average is maintained, and provided, further, that the student's progress in other respects is acceptable. Applicants should write to the Registrar for the necessary forms.

#### **Publications Tuition Grants**

Five tuition grants for work on publications are awarded up to the following amounts per year:

- (1) Editor of *Canyon Trails*, all of tuition.
- (2) Business manager of *Canyon Trails*, all of tuition.
- (3) Editor of *Canyon Echoes*, all of tuition.
- (4) Business manager of *Canyon Echoes*, all of tuition.
- (5) School photographer, all of tuition.

Write to the Registrar for the necessary application forms.

#### **Opdyke Scholarships**

Five Opdyke Scholarships in the amount of \$150 (\$75 each semester) will be awarded. The Opdyke Fund is designated for "the education of mountain people" and is awarded to worthy students who qualify. Write to the Registrar for the necessary application forms.

#### **Special Abilities Scholarships**

**Athletic:**

A limited number of basketball and baseball and/or tennis scholarships for 70% of tuition will be offered. Write to the Registrar for the necessary application forms.

**Music:**

Fifteen special music scholarships in the amount of 70% of tuition will be awarded per school year. Recipients must meet the entrance requirements of the college, must be available for service at the direction of the college, and must be eligible to represent the College.

Fifteen general music scholarships will be available in the amount of 35% of tuition. The Scholarship Committee regulates conditions of awarding these scholarships. Write to the Registrar for the necessary application forms.

#### **Woman's Missionary Union Scholarships**

Four scholarships of \$175 per year will be awarded to Southern Baptist women students who are mission volunteers or are engaged in full time Christian service, who are members of churches affiliated with the Arizona Southern Baptist Convention. For information write to Woman's Missionary Union, 316 West McDowell Road, Phoenix, Arizona.

#### **Oestreich-Eaton Scholarship for Ministerial Students**

An annual scholarship of \$100 will be granted to a ministerial student who has maintained at least a "B" average. This scholarship is being granted by Mr. Kermit Oestreich and Mr. Jerry Ray Eaton.

### **AWARDS**

#### **Baptist Book Store Award**

The Baptist Book Store awards annually ten dollars worth of books to the ministerial student in the senior class who makes the highest average in his grades and who is recommended by the faculty for the award.

#### **Puckett Award**

Dr. J. Niles Puckett will give annually a Thayers Greek Lexicon to the student who makes the highest average in first year Greek and who is recommended by the faculty for the award.

#### **The Pierian Award**

The Pierian Club will award, each spring semester, an appropriate gift to the English major, Junior or Senior, who has the highest scholastic average for the year. A minimum of a "B" average must be attained by the recipient.

#### **Wall Street Journal Award**

The Wall Street Journal Award is given annually to an outstanding business student recommended by the Business Department and approved by the faculty. The award includes an inscribed medallion to the outstanding business student and a one-year subscription to the Wall Street Journal.



## **VI. Academic Programs**

DEGREES OFFERED

GRADUATION REQUIREMENTS

GENERAL EDUCATION

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PRE-PROFESSIONAL TRAINING

SUGGESTED PROGRAMS



## Graduation Requirements

### DEGREES OFFERED

The College offers curricula leading to the Degree of Bachelor of Arts and to the Degree of Bachelor of Science.

### GENERAL REQUIREMENTS

**Number of Hours.** The total number of semester hours required for graduation is 128 with a minimum grade average of "C."

**English Usage.** Every student classified as a Junior by the Registrar's office will take a test provided by the English Department. In case of failure, the student will retake the test in the following semester. In case of a second failure, the student will be required to enroll in English 110 and successfully complete the course. This requirement includes transfer students and must be met before a student is permitted to graduate.

Transfer students who are upperclassmen must take this qualifying examination at the time of their enrollment and, in case of failure, enroll in English 110.

Upon recommendation of two of his professors, a student may be required at any time to enroll in English 110.

**Minimum Residence.** A minimum of six semesters of residence in an approved college is required for graduation. Of this, two semesters, consisting of at least 23 semester hours of work, must be done in residence at Grand Canyon College. All work of the semester preceding graduation must be done in Grand Canyon College. Transfer students are required to take in residence at Grand Canyon College at least six upper division semester hours in their major subject and three upper division semester hours in their first minor.

**Correspondence and Extension Work.** Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. Any such work done at any time by a student while enrolled in Grand Canyon College must have the express approval of the College, in order for such work to be acceptable.

**Minimum Amount of Language Allowed.** No credit for graduation will be given for less than a year of language taken in college, unless the student has as much as two high school credits in the same language.

**Application for Graduation.** By the end of their junior year candidates for graduation must file application for candidacy for a degree. No student may register as a senior until he has filed this application. Transfer students who enter as seniors must file the application before completing enrollment. Application forms may be obtained at the Office of the Registrar and completed applications must be returned to the Registrar.

**Attendance At Commencement Exercises.** Graduates are expected to attend public commencement exercises. In extreme cases students may be excused, but only upon written request, which will be presented to the faculty for vote.

GRADUATION UNDER A PARTICULAR CATALOG

Ordinarily a candidate for a degree will meet the requirements as stated in the catalog in force at the time of his matriculation. He may elect to meet the requirements of the catalog for the year of his graduation but in such case he must conform to that catalog only.

CURRICULAR REQUIREMENTS

The completion of the required 128 semester hours usually requires four years of 30 semester hours each besides Physical Education. Of these the freshman and sophomore years are spent in general or introductory work, comprising courses in widely separated subjects. During the remaining two years, the student may confine his work to comparatively narrow limits. The work for the entire four year course consists of (1) General Education, (2) Major and minor subjects, (3) Electives.

GENERAL EDUCATION

General Education at Grand Canyon College has as its purpose the unifying of the initial college educational experience of every student to form a comprehensive and securely cemented foundation for a fuller and more meaningful life and for future academic pursuits. It seeks to help the student to develop an appreciation and understanding of the various areas of knowledge and creative endeavor which have contributed to the development of contemporary society and thus enable him to achieve greater social stability and a more secure personal life.

General Education seeks to provide the kinds of learning and experience during the first college years which will enable each student to choose wisely and build carefully the specialized program of studies most appropriate for him. Thus, General Education is primarily concerned with developing an awareness of the significance of various areas of knowledge to the student, their relationship to other areas of human endeavor and achievement, and their influence and potential in today's world.

General Education at Grand Canyon College seeks to help the individual student to apprehend the Christian way of life and to begin to acquire the knowledge, skills, and attitudes essential to a citizen who assumes moral and social responsibilities. It attempts to help the individual student to relate himself properly to the foundation areas listed below, which give meaning to life, and to anticipate richer and more definitive experiences in appropriate areas of specialization.

GENERAL EDUCATION REQUIREMENTS

- I. SPIRITUAL FOUNDATIONS OF LIFE..... 9 hours  
Purpose: To develop an understanding and appreciation of the Bible in its historical setting and to apply its teachings to contemporary situations.  
A. Old Testament History (Bible 113)  
B. New Testament History (Bible 123)  
C. Bible Elective (3 hours)

- II. SOCIAL FOUNDATIONS OF LIFE.....12 hours  
Historical Foundations (9 hours)  
Purpose: To educate for responsible citizenship.  
A. History of Civilization I (Hist. 113)  
B. History of Civilization II (Hist. 123)  
C. History of Civilization III (Hist. 233)  
Philosophical and Psychological Foundations (3 hours)  
Purpose: To introduce the philosophical and psychological dimensions of life.  
Introduction to Philosophy (Phil. 213)\*  
or  
General Psychology (Psych. 213)\*  
Students desiring 3 additional hours in Social Foundations may, with the approval of their advisers, elect options A, B, or C under Special Areas, Section VI.
- III. SCIENTIFIC FOUNDATIONS OF LIFE.....11 hours  
Purpose: To present matters of science and mathematics and to give experience in the scientific method of thinking and problem solving.  
A. Mathematics (Math 113)  
B. Life Science (Biol. 134 and Physics 214 or Chemistry 114  
or  
Physical Science (Physics 134) and  
Biology 114, or b or Biology 124, or b.
- IV. COMMUNICATIVE ARTS .....16 hours  
Composition and Rhetoric (6 hours)  
Purpose: To develop a command of the English Language, both written and spoken.  
A. Grammar and Composition (Eng. 113)  
B. Composition and Literature (Eng. 123)  
English Literature and the Humanities (10 hours)  
(English Literature; Appreciation of Art and Music)  
Purpose: To help students understand and appreciate how individuals in their search for personal identity have communicated human experiences and emotions by means of literature, art and music.  
A. English Literature and the Humanities I  
(Humanities 215)  
B. English Literature and the Humanities II  
(Humanities 225)

Students desiring 3 additional hours in the Communicative Arts may, with the consent of their advisers, elect options D, E, or F under Special Areas, Section VI.

V. PHYSICAL WELL-BEING ..... 7 hours

Purpose: To develop leisure time activities and healthful habits of living.

- A. Activity Physical Education (4 courses, 1 hour each)\*\*
- B. Principles of Health and Personal Hygiene (H.E. 213)\*  
or  
School and Community Health (H.E. 333)\*

VI. SPECIAL AREAS ..... 3 hours

Purpose: To supplement and augment the general education program to meet specific needs of individual students.

- A. General Psychology or Introduction to Philosophy  
(Students may elect the course not included under Section III above)
- B. Principles of Economics (Econ. 213)\*
- C. Principles of Sociology (Sociology 213)\*
- D. History of Music (Music 333 or 343)\*
- E. College Writing (3 hours)  
(Advanced Composition, Business Writing, or Seminar in Writing may satisfy the College Writing area)
- F. Speech (3 hours)\*

VII. FOREIGN LANGUAGE .....12 hours\*\*\*

(Required for BA Degree and for Science or Mathematics Major)

- \*Choice determined from student's high school record and vocational objective.
- \*\*Credit may be allowed on the basis of active service with the Armed Forces. (See page 90.)
- \*\*\*One language only; to be taken consecutively. (See page 100)

**Degrees Offered**

The Bachelor of Arts degree will be granted to majors in Bible, English, History, Music, Religion, Sociology, and Social Studies.

The Bachelor of Science degree will be granted to majors in Biology, Business Administration, Elementary Education, Mathematics, Music Education, and Physical Education.

**Majors and Minors**

By the beginning of his junior year, each student is required to select one subject to be known as his major in which he shall present at least 30 semester hours. Of these, 12 hours must be of junior-senior rank. The student must have an over-all average of 1.5 in his major courses. No

upper division (junior-senior level) course will be acceptable for the major with a grade below "C." Candidates for secondary certificates must have a "B" average in their major. (See page 83.)

The student must also choose two minors in subjects other than his major. His first minor must consist of not fewer than 18 semester hours. Of these, 6 hours must be from courses of junior-senior rank. His second minor must consist of not fewer than 12 semester hours.

**Electives**

A certain number of electives may be taken from the regular college courses offered in each department, in addition to those which may be required in that particular group.

**PRE-PROFESSIONAL TRAINING**

Students who desire to prepare for a career in law or in some other profession requiring a legal education may take their undergraduate pre-law work at Grand Canyon College.

The requirements for admission to law schools vary from a minimum of three years of pre-legal college work to a college degree. Whenever possible, the pre-law student should select in advance the law school he plans to attend and arrange his course of study to fit particular suggestions and requirements of that school. In any case, a thorough grounding in English, Social Studies, and Economics is recommended; and pre-law students are strongly urged to complete a course in Elementary Accounting.

The legal profession is exacting in its standards of intellectual effort, honesty, and maturity. Basic objectives of pre-legal education should be comprehension and expression in words, critical understanding of human institutions, and creative power in thinking.

**Suggested Program for Pre-Medical, Pre-Dental, and Pre-Optometry Students**

Most medical colleges require three years of undergraduate work for admission, including as a minimum one year of inorganic chemistry, half year of organic chemistry, one year of general physics, half year of college mathematics, one year of zoology, half year of biology and half year of anatomy, plus foreign language\*, and humanities and social studies as electives. All these courses are offered and a proper choice of them in two years will meet a substantial part of the requirement.

\*German (or French)

THE ARTS AND SCIENCES CURRICULA

It is assumed that many of the students who plan to major in one of these subjects will not decide until his junior year what his major and first minor will actually be. The suggestion that the first and second years be devoted almost exclusively to core curriculum requirements is to encourage the student to study in the widest possible variety of fields, in order that he may determine wherein his greatest interest lies. The following suggested program is intended primarily to serve as a guide or check sheet for the student, rather than to limit him in the first two years to the specific courses listed. Every specific course listed is, however, a required course; and the student is warned that he will lose an hour of credit for any required freshman course delayed until the senior year.

GENERAL EDUCATION PROGRAM

Suggested Program for Bachelor of Arts Majors

Bible, English, History, Music, Religion, Social Studies, Sociology

Freshman Year			Sophomore Year		
	Fall	Spring		Fall	Spring
Bible 113, 123 .....	3	3	Foreign Language.....	3*	3*
English 113, 123 .....	3	3	Humanities 215, 225 .....	5	5
History 113, 123 .....	3	3	History 233 .....	3	
Life Science .....	4		Physical Sciences .....		4
Mathematics 113 .....		3	Philosophy 213 or .....	3	
Activity P.E. ....	1	1	Psychology 213 .....		
Electives .....	2*	3*	Activity P.E. ....	1	1
	16	16	Electives .....	1	3
				16	16
Junior Year			Senior Year		
	Fall	Spring		Fall	Spring
Foreign Language .....	3*	3*	Bible (upper division) .....	3	
Special Area Elective .....	3**		Major, Minor, or .....		
Health Education .....		3	Electives .....	13	16
Major, Minor, or .....				16	16
Electives .....	10	10			
	16	16			

\*Students continuing a foreign language from high school may begin Foreign Language during their Freshman year.

\*\*Choice determined by the student's academic record and vocational objective from the following: General Psychology, Introduction to Philosophy, Principles of Economics, Principles of Sociology, History of Music, College Writing, or Speech courses.

Suggested Program for Bachelor of Science Majors

Biology, Business Administration, Elementary Education, Mathematics, Music Education, Physical Education

Freshman Year			Sophomore Year		
	Fall	Spring		Fall	Spring
Bible 113, 123 .....	3	3	Philosophy 213 or .....		
English 113, 123 .....	3	3	Psychology 213 .....		3
History 113, 123 .....	3	3	Humanities 215, 225 .....	5	5
Life Science .....		4	History 233 .....	3	
Mathematics 113 .....	3		Physical Sciences .....	4	
Activity P.E. ....	1	1	Special Area Elective* .....		3
Electives .....	3	2	Activity P.E. ....	1	1
	16	16	Major, Minor, or .....		
			Electives** .....	3	4
				16	16

Junior Year			Senior Year		
	Fall	Spring		Fall	Spring
Bible (upper division) .....		3	Major, Minor, or .....		
Health Education .....	3		Electives** .....	16	16
Major, Minor, or .....					
Electives** .....	13	13			
	16	16			

\*Choice determined by student's academic record and vocational objective from the following: General Psychology, Introduction to Philosophy, Principles of Economics, Principles of Sociology, History of Music, College Writing, or Speech courses.

\*\*Mathematics and Science Majors will include 12 hours of German or French to meet requirements.

## **VII. Divisions of Instruction**

DIVISION OF APPLIED ARTS AND SCIENCES

DIVISION OF EDUCATION AND PSYCHOLOGY

DIVISION OF HUMANITIES

DIVISION OF NATURAL SCIENCE AND MATHEMATICS

DIVISION OF RELIGION AND SOCIAL STUDIES

*Division of*  
**Applied Arts  
and Sciences**

*Department of Business Administration and Economics*

BUSINESS ADMINISTRATION

ECONOMICS

SECRETARIAL SCIENCE



## Department of Business Administration and Economics

The Business Department wishes to explore the student's aptitude for further study and research in the field of business as a career and to offer a limited number of vocational and personal use courses in business. It is our aim to give some general understanding of our economy to all graduates of the college. It is the desire of the Department of Business Administration and Economics to inspire every student to practice Christian principles, personal integrity, and high ethical standards in all aspects of his business life.

### Requirements for a B.S. Degree in Business Administration (General Business Major)

Business Administration 133.....	3 semester hours
†Economics 213, 223 .....	6 semester hours
Business Administration 143 .....	3 semester hours
†Business Administration 214, 224.....	8 semester hours
Business Administration 353, 363.....	6 semester hours
Business Administration 343 .....	3 semester hours
Business Administration and †Economics not listed above.....	any 6 semester hours

### Requirements for a minor in Business Administration

Business Administration 214, 224 .....	8 semester hours
Economics 213, 223.....	6 semester hours
Electives in Business Administration .....	6 semester hours

### Requirements for a minor in Secretarial Science

*Secretarial Science 122, and 212.....	4 semester hours
**Secretarial Science 143, and 233.....	6 semester hours
Electives in Secretarial Science .....	8 semester hours

### Requirements for a minor in Economics

†Economics 213, 223 .....	6 semester hours
Economics 333 .....	3 semester hours
Electives in Economics.....	9 semester hours

NOTE: B.A. 313 and B.A. 323, **Intermediate Accounting**; B.A. 433, **Cost Accounting**; and B.A. 443, **Income Tax Accounting** will be offered upon sufficient demand. It is expected that a minor in accounting will be reinstated in the future.

\* A maximum of 6 hours credit in Typewriting will be allowed.

\*\* A maximum of 6 hours credit in Shorthand will be allowed.

† Duplicate credit will not be allowed for a student's major and minor, but when used for a minor these courses will not be required in the General Business Major.

## Division of Applied Arts and Sciences

The courses in the Division of Applied Arts and Sciences are aimed toward implementing the broad liberal arts objectives of the college, with the specific purpose of preparing students to fill places of responsibility in business education, and in the economic community as well as other areas of the applied arts and sciences.

### Summary of Program for Business Majors Planning to Teach

Bible 113, 123.....	6 semester hours
Bible (Upper Division) .....	3 semester hours
English 113, 123, Humanities 215, 225 .....	16 semester hours
Health Education 333.....	3 semester hours
Natural Science .....	8 semester hours
Physical Education .....	4 semester hours
History (Social Studies) .....	9 semester hours
National & State Constitutions (Social Studies) .....	3 semester hours
General Business courses required for a B.S. Degree in	
Business Administration as listed above .....	35 semester hours
General Psychology (Social Studies).....	3 semester hours
Education (See below for required courses).....	22 semester hours
Minor and Electives (Teachers should minor in	
Secretarial Science .....	13 semester hours
Math 113 .....	3 semester hours

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The 22 hours listed below for education are required at Grand Canyon College and may be taken in a block during one semester, with the exception of Education 112 and H.S.Ed. 323, which must be taken before the education block is taken. The General Psychology course listed above must also be taken before the education block is taken.

Educ. 112 Introduction to Education.....	2 semester hours
H.S. Ed. 323 High School Methods and Procedures ....	3 semester hours

### Education Block

(Taken latter part of junior year or first part of senior year)

Educ. 313 Educational Psychology .....	3 semester hours
Educ. 321 Orientation to Apprentice Teaching.....	1 semester hour
Educ. 413 Tests and Measurements .....	3 semester hours
Educ. 422 History of Education .....	2 semester hours
H.S. Ed. 328 Apprentice Teaching in High School .....	8 semester hours

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22

The Education Department also recommends Psychology 382 and High School Education 443.

### BUSINESS ADMINISTRATION

**B.A. 133. Introduction to Business Principles and Management.** Emphasis is placed upon function, organization, and services of business including such specific problems as location, finance, personnel, and marketing. (Each Fall)

3 semester hours.

**B.A. 143. Business Mathematics.** (To count as math requirement) A basic course in the principles of mathematics as related to business including fundamental mathematical operations as interest and discount, annuities, depreciation, ratio and proportion, and use of graphs with mathematical computations. (Each Spring)

3 semester hours.

**B.A. 214. Principles of Accounting.** An introduction to the fundamental principles and practices of accounting; the construction and interpretation of balance sheets and of profit and loss statements; the theory of debits and credits as applied to business transactions. (Each fall)

4 semester hours.

**B.A. 224. Principles of Accounting.** A continuation of 214. An application of accounting principles to certain specialized problems under the various forms of business organization. Manufacturing accounts and manufacturing cost and controls; accounting for fire losses, bonds and sinking funds. (Each spring)

4 semester hours.

**B.A. 243. Business Machines.** (Same as Sec. Sci. 243). This course is designed to give the student instruction in the use of modern business machines and will include the ten-key and full-key adding machine, printing calculator and rotary calculator, and the comptometer, along with other modern-day office machines. (Fall 1963; Spring 1965)

3 semester hours

**B.A. 343. Business Statistics.** (Same as Mathematics 363). Prerequisites: B.A. 143; Mathematics 113 or 133. (Each fall).

3 semester hours

**B.A. 353. Business Law.** This course includes laws of persons, tort, contract, agency, private property, sales, negotiable instruments, and insurance. Prerequisite: Economics 213. (Fall 1963, and alternate years).

3 semester hours.

**B.A. 363. Business Law.** A continuation of 353. Laws as related to the forms of modern business; individual proprietorships, partnerships, corporations. Prerequisite: B.A. 353. (Spring 1964, and alternate years.)

3 semester hours.

**B.A. 383. Business Writing.** (Same as Sec. Sci. 383). Practice in the writing of effective business letters and reports; includes the mechanics and format of business correspondence and training in the organization and writing of business reports. Prerequisite: Ability to use the typewriter. (Spring 1964 and alternate years.)

3 semester hours.

**B.A. 393. Principles of Marketing.** This course includes an examination of our present marketing structure, commodities, institutions, and social and economic trends. Prerequisite: Economics 213. (Spring 1964, and alternate years.) 3 semester hours

**B.A. 423. Corporation Finance.** (Formerly Industrial Organization and Combination) This course includes an examination of the principles and policies of corporate practice; types of securities and their limitations; promotion, syndicating and selling; operating and maintenance policies; combinations, failure and problems of social control. Prerequisite: B.A. 214, 223; Economics 213. (Fall 1964, and alternate years.)

3 semester hours.

### ECONOMICS

**Economics 213. Survey of Economics.** A brief survey of basic economic concepts, principles, and business practices. Includes a study of such topics as the various economic systems, corporations, specialization in production, the monetary system, distribution of income, government spending, taxes, public debt, the price system, monopoly, and labor problems. A general requirement for all students. (Each Fall.)

3 semester hours.

**Economics 223. Principles of Economics.** A continuation of Economics 213, with special emphasis on a more intensive study and application of advanced economic analyses related to present-day problems. Required of all business administration majors and minors and economics minors. Prerequisite: Economics 213 or equivalent. (Each Spring.)

3 semester hours

**Economics 233. Economic Geography** (formerly Economics 323). A study of the products of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption. Prerequisite: Economics 213. (Second term, Summer 1963.)

3 semester hours.

**Economics 243. Consumer Economics.** This course will make a study of standards of living; consumer income and expenses; retailing and distribution of consumer goods, consumer credit; laws which affect consumers; and survey of budgeting, investments, and taxes. It is a survey of the modern trends with which the consumer should be familiar. Prerequisite: Economics 213. (Fall 1964, and alternate years.)

3 semester hours.

**Economics 333. Economic History of the United States.** (Same as History 383) The progress of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisite: Economics 213. (First term, Summer 1963.)

3 semester hours.

**Economics 363. Money, Banking, and Credit** (formerly Money & Banking) A general survey of the subject; commercial banking operations; the Federal Reserve System; the qualities of a good monetary system; the theory of value of money; money and banking history; deposit insurance; foreign exchange. Prerequisite: Economics 213. (Fall 1963, and alternate years.)

3 semester hours.

**Economics 453. Comparative Economic Systems.** A study of the forms of economic organization, the economic policy and obligations of Capitalism, Socialism, Communism, and Fascism. An analytical comparison of Capitalism and the other economic systems. Prerequisite: Economics 213. (Fall 1963, and alternate years.) 3 semester hours.

### SECRETARIAL SCIENCE

**Secretarial Science 113. Typewriting.** This course is for students who cannot type thirty words per minute or students just beginning typewriting. It covers a general knowledge of the care and operation of the typewriter, mastery of keyboard, and copying plain copy. 3 hours class periods weekly, 2 hours lab periods. (Fall 1964.) 3 semester hours.

**Secretarial Science 122. Typewriting.** Intermediate work in typing, to be taken when a speed of at least thirty words per minute has been attained. Practice in letter writing, tabulation, business forms, rough drafts and special emphasis on speed. 3 hours class periods weekly. (Fall 1963)

2 semester hours.

**Secretarial Science 212. Typewriting.** Emphasis on building speed as it applies to office production techniques, including transcription, reports, tabulation forms, and duplicating processes. Prerequisite: Secretarial Science 123. 3 hours class periods. weekly. (Fall 1963)

2 semester hours

**Secretarial Science 133. Shorthand.** This course aims to master the principles of Gregg Shorthand, with drills in the correct formation of word outlines and phrase forms, the study of brief forms, and daily reading from shorthand plates. Students who have had shorthand previously may qualify for Sec. Sci. 143 by meeting the standards for that course. 3 hours class periods, 2 hours lab periods. (Fall 1964) 3 semester hours.

**Secretarial Science 143. Shorthand.** A continuation of 133. Additional study in phrasing and practice in reading shorthand and taking dictation. Speed attainment in dictation of 80 words per minute. 3 hours class periods, 2 hours lab periods. (Spring 1965) 3 semester hours.

**Secretarial Science 223. Dictation and Transcription.** Speed dictation and transcription with emphasis on accuracy and good form in preparing mailable letters. Prerequisite: Sec. Sci. 143. 3 hours class periods. (Spring 1964)

3 semester hours.

**Secretarial Science 243. Business Machines.** See Business Administration 243 for course description. (Fall, 1963; Spring 1965)

3 semester hours

**Secretarial Science 313. Office Practice.** A practical course in the techniques of office methods; secretarial duties and procedures; filing; organization and arrangements of the office; office equipment and supplies. Prerequisite: Secretarial Science 123 or equivalent. (Fall 1963)

3 semester hours.

**Secretarial Science 383. Business Writing.** See Business Administration 383 for course description. (Spring 1964, and alternate years.)

3 semester hours

*Division of*

**Education and  
Psychology**

*Department of Education and Psychology*

*Department of Health and Physical Education*

EDUCATION

ELEMENTARY EDUCATION

SECONDARY EDUCATION

PSYCHOLOGY

LIBRARY SCIENCE

HEALTH EDUCATION

PHYSICAL EDUCATION

### ***Division of Education and Psychology***

This Division is oriented toward the general purpose and liberal arts objectives of Grand Canyon College. It emphasizes general education as a foundation for specialized study and contributes toward the realization of a liberal background through its non-technical courses in psychology, health, and physical education. It seeks to acquaint the student with principles and practices of education, health, and physical development in a setting conducive to Christian living, and to provide professional training and supervised experience in education, physical education, and related areas.

## **Department of Education and Psychology**

While the Department of Education and Psychology functions primarily to train public school teachers, courses in the Department are regular college courses and students majoring in other areas may elect to take certain courses upon approval of the Department of Education.

### **TEACHER TRAINING CURRICULA**

The courses in education and psychology are planned and organized to meet the following requirements: (1) Major in Elementary Education; (2) a curriculum for elementary teachers; (3) a curriculum for high school teachers; (4) courses to meet Arizona certificate requirements and renewals.

The teacher training program has been extended to include a fifth year of preparation to meet current Arizona certification requirements. The fifth year program of Grand Canyon College has been approved by the State Board of Education.

In order to become a candidate for teacher training, a student must have completed 58 semester hours of college work with an average grade of "C." Students who complete 75 hours before they maintain a "C" average should get a degree before they apply for admission to the Teacher Training Program.

Majors in subject matter fields preparing to teach in high school should have a "C+" average in all subjects before graduation and must have a "B" average in the major field. To qualify for apprentice teaching, students must have passed the English Qualifying Examination (see p. 63). Students with a "C" average or above in all subjects may participate in the fifth year program of teacher preparation at Grand Canyon College.

Grand Canyon College work is approved by the Arizona State Board of Education.

### **Temporary Elementary Certification (Grades 1-9)**

(Bachelor's degree and 18 semester hours minimum requirements in Education. Requirements for a permanent certificate must be completed within five years.)

### **Elementary Certificate (Grades 1-9)**

(Master's degree, or 30 graduate hours, or completion of fifth year program; 18 semester hours minimum requirement in Education.)

#### **Requirements of State Board:**

- |  |                  |
|--|------------------|
| A. Ed. 313 Educational Psychology  | 3 semester hours |
| B. El. Ed. 343 Elementary School Curriculum and Techniques (Language Arts)                       | 3 semester hours |
| C. El. Ed. 353 Elementary School Curriculum and Techniques (Social studies, science, arithmetic) | 3 semester hours |

- |   |                  |
|---|------------------|
| D. Ed. 413 Tests and Measurements (Evaluation of Learning)  | 3 semester hours |
| E. El. Ed. 328 Apprentice Teaching in the Elementary Grades | 8 semester hours |
|   | <u>20</u>        |

### Requirements of Grand Canyon College:

- |                          |                                    |                  |
|--------------------------|------------------------------------|------------------|
| F. Psy. 213              | General Psychology                 | 3 semester hours |
| G. Ed. 112               | Introduction to Education          | 2 semester hours |
| H. Ed. 321               | Orientation to Apprentice Training | 1 semester hour  |
| I. Psy. 382              | Child and Adolescent Psychology    | 2 semester hours |
| J. Ed. 422               | History of Education               | 2 semester hours |
| K. Elective in Education |                                    | 1 semester hour  |
|                          |                                    | <u>31</u>        |

Also required for certification:

- |   |                  |
|---|------------------|
| K. He.Ed. 333 School and Community Health                                 | 3 semester hours |
| L. Govt. 213 Federal Government. Govt. 233 Arizona History and Government | 6 semester hours |

### Summary:

- |                                |             |
|--------------------------------|-------------|
| Total Education and Psychology | 31 hours    |
| Health Education               | 3 hours     |
| Government                     | 6 hours     |
|                                | <u>(40)</u> |

## Temporary Secondary Certificate Grades 7-9

(A bachelor's degree and 6 hours of graduate work or 6 hours toward fifth year program; a major of 24 hours and a minor not less than 15 hours; 18 semester hours in Education. Requirements for a permanent certificate must be completed within five years.)

**Secondary Certificate  
(Grades 7-12)**

(Master's degree or 30 graduate or Fifth Year Program semester hours, 18 semester hours in Education, major 24 semester hours, minor 15 semester hours.)

### Requirements of State Board:

- |    |  |                  |
|----|--|------------------|
| A. | Ed. 313 Educational Psychology                                   | 3 semester hours |
| B. | Ed. 413 Tests and Measurements (Evaluation of Learning)          | 3 semester hours |
| C. | H.S. Ed. 323 High School Methods and Procedures                  | 3 semester hours |
| D. | H.S. Ed. 443 Curriculum and Principles of Secondary Education    | 3 semester hours |
| E. | H.S. Ed. 328 Apprentice Teaching in High School (Grades 7 to 12) | 8 semester hours |
|    |  | <u>20</u>        |

Requirements of Grand Canyon College:

- |    |          |                                    |                  |
|----|----------|------------------------------------|------------------|
| F. | Ed. 112  | Introduction to Education          | 2 semester hours |
| G. | Psy. 213 | General Psychology                 | 3 semester hours |
| H. | Ed. 321  | Orientation to Apprentice Training | 1 semester hour  |
| I. | Psy. 382 | Child and Adolescent Psychology    | 2 semester hours |
| J. | Ed. 422  | History of Education               | 2 semester hours |
|    |          |                                    | <u>30</u>        |

Also required for certification:

- |    |             |                                |                  |
|----|-------------|--------------------------------|------------------|
| J. | He. Ed. 333 | School and Community Health    | 3 semester hours |
| K. | Govt. 233   | Arizona History and Government | 3 semester hours |

### Summary:

- |                                |             |
|--------------------------------|-------------|
| Total Education and Psychology | 31 hours    |
| Health Education               | 3 hours     |
| Government                     | 3 hours     |
|                                | <u>(37)</u> |

**TEACHER TRAINING STAFF**

- Roland L. Beck                      Head, Department of Education and Psychology  
Director of Teacher Training (after Sept. 1963)

B.A., Oklahoma Baptist University;  
M.A., Ph.D., University of Oklahoma

- Maxine Wakefield Hagan  
Professor of Education; Director of Teacher Placement

B.A., Arizona State University  
M.A., Arizona State University  
Ed.D., University of Arizona  
Additional Graduate Study, University of California

- Dale W. Patton      Professor of Education; Director of Teacher Training

B.Ed., Teachers College, St. Cloud, Minnesota  
B.Mus.Ed., Northwestern University  
M.Ed., Syracuse University  
Ed.D., Arizona State University

- Henry L. Bagley                                  Professor of Education

B.S., Kansas State University  
M.A., Colorado State University  
Ed.D., University of Colorado

## PROGRAM

The listing of these schools in the Teacher Training Program does not imply that the teachers are employed by Grand Canyon College, or that the schools are under the supervision of the College. The supervision of apprentice teachers has been delegated to the school to which the apprentice teacher is assigned, but the evaluation of the apprentice teacher's work is a dual responsibility. These evaluations are made independently.

## PUBLIC SCHOOLS COOPERATING IN THE APPRENTICE TEACHING PROGRAM

Alhambra Elementary School District  
Avondale Elementary School District  
Bisbee Public Schools  
Buckeye Elementary School District  
Cartwright Elementary School District  
Cashion, Arizona School District  
Chandler Public Schools  
Copper Belt School District  
Cottonwood-Oak Creek Public Schools  
Creighton Elementary School District  
Duncan Schools  
Dysart Elementary Schools  
Gibert Public Schools  
Glendale Elementary School District  
Glendale Union High School District  
Holbrook Public Schools  
Isaac Elementary School District  
Liberty Elementary School District  
Litchfield Park Elementary School District  
Littleton School District, Cashion, Arizona  
Madison Elementary School District  
Mayer Public Schools  
Mingus Jr.-Sr. High School & Verde, Dir. #3

Murphy Elementary School District  
McNary Public Schools  
Osborn Elementary School District  
Palo Verde Elementary School District  
Paradise Valley School District  
Peoria Public Schools  
Phoenix Elementary School District  
Phoenix Union High School and  
Phoenix College System  
Prescott Public Schools  
Riverside Elementary School District  
Roosevelt Elementary Schools  
Safford Public Schools  
Scottsdale Public Schools  
Stanfield Public Schools  
Tempe Elementary School District  
Tolleson Grammar School  
Tolleson Union High School District  
Washington Elementary School District  
Wickenburg Public Schools  
Wilson Elementary School District  
Yuma Elementary School District  
Yuma Union High School District

PRIVATE SCHOOLS COOPERATING WITH GRAND CANYON COLLEGE  
IN THE APPRENTICE TEACHING PROGRAM

Phoenix Christian High School

GOVERNMENT SCHOOLS COOPERATING WITH GRAND CANYON  
COLLEGE IN THE APPRENTICE TEACHING PROGRAM

Phoenix Indian School

## EDUCATION

Education 110. **Remedial Education.** Emphasis is given on the mechanics of reading involving eye-span, reading rate, attention and comprehension, reading vocabulary, word meaning, sentence meaning, paragraph meaning, and story value. The student is taught to read aloud with the eye-span in advance of oral reading. Tests are given for vision, depth perception, color vision, eye movements, reading rate, and reading comprehension. Frequent use of the dictionary is emphasized and individual remedial instruction is given each student. (Fall)

No credit.

Education 112. **Introduction to Education.** This orientation course is designed to give the student a view of the whole field of education with emphasis upon its opportunities and requirements as a profession. (Fall and Spring)

2 semester hours.

Education 313. **Educational Psychology.** This course takes up the general problems of learning, such as native and acquired characteristics, individual differences, motivation as well as the different theories of learning, and their application to the classroom situation. (Fall and Spring)

3 semester hours.

Education 321. **Orientation to Apprentice Teaching.** The purpose of this course is to acquaint the apprentice teachers with apprentice teaching requirements. Area school administrators and supervisors will be invited to participate in this orientation. Additional instruction from the education faculty will be included. Classes will meet two periods per week during the first nine weeks of the education block. (Fall and Spring)

1 semester hour

Education 363. **Audio-Visual Aids.** A survey of the field of projected and non-projected aids, with discussions, demonstrations, and laboratory work. (Spring).

3 semester hours.

Education 413. **Tests and Measurements** (Evaluation of Learning). This course deals with the philosophy of testing, the construction of tests, the actual administration and interpretation of tests. There will be opportunity for examination of sample tests. Students will select either high school or elementary tests for study and do test construction in either field. Prerequisites: Education 112 and Methods. (Fall and Spring)

3 semester hours.

Education 422. **History of Education.** This is a survey course in the general development of education from ancient times down to the present. The course intends to be more extensive than intensive, and attempts to establish an educational background for students majoring in the field of education. Prerequisite: Education 112. (Fall and Spring)

2 semester hours.

ELEMENTARY EDUCATION

Elementary Education 328. **Apprentice Teaching in the Elementary Grades.** Prerequisites: Education 112, Elementary Education 343, and Elementary Education 353. (Fall and Spring). 8 semester hours.

Elementary Education 343. **Elementary School Curriculum and Techniques** (Language Arts). Special emphasis is given to methods and materials of instruction in reading, language, composition, spelling, and writing in all the elementary grades. Prerequisite: Education 112. (Fall and Spring) 3 semester hours.

Elementary Education 353. **Elementary School Curriculum and Techniques** (Social studies, science, and arithmetic). This course serves to acquaint the elementary teacher with curriculum methods, literature, and approved techniques for teaching arithmetic, social studies, and natural sciences, and with the recent research in these fields. Prerequisite: Education 112. (Spring and Fall) 3 semester hours.

Elementary Education 362. **Construction and Play Materials.** The construction and use of play materials are made more practical by actual experience. The use of charts, counting devices, games, and dramatic materials is stressed. (Spring) 2 semester hours.

Elementary Education 373. **Children's Literature and Story Telling.** The best selections of all types of child literature from outstanding authors are studied. Volumes of literature for children's libraries are considered. A handbook and anthology of children's literature are used as texts supplemented by library reading. Story-telling is emphasized. Prerequisites: English 213 and 223. (Fall) 3 semester hours.

Elementary Education 403. **Modern Mathematics for Elementary and Junior High School.** (Same as Mathematics 403). A course designed to provide an understanding of "Modern Mathematics" for the middle and upper elementary and junior high teachers. The new approaches are explained and problems solved. The following are included: Systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences, etc. Prerequisites: Math 113 or 133. (Spring, 1964) 3 semester hours

Elementary Education 412. **Advanced Instructional Methods in Phonics.** A workshop in the phonetic approach to a developmental reading program. The use of phonetic principles as tools to gain independence in word attack emphasized. Prerequisites: Elementary Education 343. (Spring 1964) 2 semester hours

SECONDARY EDUCATION

High School Education 323. **High School Methods and Procedures.** A study of methods and procedures in high school instruction. All methods used are included, as well as a combination of the best in all methods, or the eclectic method. Procedures usually applied in high schools are emphasized. Prerequisite: Education 112. (Fall and Spring) 3 semester hours.

High School Education 328. **Apprentice Teaching in High School.** Prerequisite: Education 112, High School Education 323, and High School Education 443. (Fall and Spring) 8 semester hours.

High School Education 443. **Curriculum and Principles of Secondary Education.** This course will deal with the fundamental principles of curriculum development and construction, and the fundamental facts underlying the aims and principles of secondary education. Professional ideals of teaching are stressed throughout the course. Prerequisite: Education 112. (Fall and Spring) 3 semester hours.

PSYCHOLOGY

Students may minor in psychology by completing 18 hours in psychology. The following courses offered at Grand Canyon College will be accepted for minor credit in psychology:

Requirements for a minor in Psychology

Education 111 (Freshman Orientation).....	1 semester hour
Psychology 213 (General Psychology).....	3 semester hours
Psychology 382 (Child and Adolescent Psychology).....	2 semester hours
Education 313 (Educational Psychology) .....	3 semester hours
Education 413 (Tests and Measurements—Evaluation of Learning) .....	3 semester hours
Religious Education 333 (Psychology of Religion).....	3 semester hours
Sociology 303 (Social Psychology) .....	3 semester hours

Psychology courses transferred may be substituted for any of those listed above except Psychology 213, General Psychology.

Psychology 213. **General Psychology.** A foundation course in the science of behavior. The study will include origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments will constitute a basic part of the work. (Fall and Spring) 3 semester hours.

Psychology 382. **Child and Adolescent Psychology.** An analysis of infant behavior; the motor and emotional development of children; motivation, thinking, work and play in child life; the synthesis and integration of personality. The meaning and significance of adolescence; physical, mental, moral and religious development; adolescent impulses, interests, social tendencies; the hygiene of adolescence; the guidance and control of adolescent behavior. Prerequisite: Psychology 213. (Fall and Spring) 2 semester hours.

LIBRARY SCIENCE

Library Science 302. **Utilizing the Library in the Elementary School.** A workshop course designed to help elementary teachers integrate library material with classroom instruction. Special assistance will be given in the use of the library, class assignments and preparations. 2 semester hours

Library Science 373. **Children's Literature and Story Telling.** (Same as Elementary Education 373.)



## Department of Health and Physical Education

The purpose of required physical education is to maintain the physical vitality of students and to develop interests and activities that will continue beyond school. The work includes conditioning exercises, individual activities, adult sports, etc.

Courses are planned with the following aims: (1) to meet the state requirements of all elementary and high school teachers in this field; (2) to offer a varied program of physical activity which will contribute to the well-being of the students; and (3) to train men and women as physical education directors and coaches.

Upon written recommendation of a medical doctor and approval of the Dean and the Department of Physical Education, equivalent hours in physical education or health education may be substituted for required physical education activity courses. Normally, one of the following three hour courses would satisfy the requirement: Physical Education 213, 323, or 413; or Health Education 213.

Veterans of the armed services may receive up to four hours credit for physical education activity courses, on the basis of military service. In general, one hour's credit for each full ninety days of active service will be allowed. This credit is not granted automatically to veterans; they must comply with instructions of the Registrar's office to establish the credit.

No student who has received credit in physical education for military training will be allowed to receive credit for PE 101, 201, 131, 111, 231, or 241 unless he has a major or a minor in physical education.

Veterans may also receive credit, on the basis of military service, for the health education course required for graduation. This credit will be determined, on request of the student, by evaluation in the Dean's office of service or USAFI records in the same way that any transcript would be evaluated.

### Requirements for a major in Physical Education

Physical Education 101, 111, 131.....	} Any 4 semester hours
Physical Education 201, 231, 241.....	
Physical Education 222.....	2 semester hours
Physical Education 243.....	3 semester hours
Physical Education 273.....	3 semester hours
Physical Education 313 .....	3 semester hours
Physical Education 413 or 323.....	3 semester hours
Physical Education 423.....	3 semester hours
Health Education 212 .....	2 semester hours
Health Education 333.....	3 semester hours
Electives in Physical Education or Health Education.....	4 semester hours

### Requirements for a minor in Physical Education

Physical Education 101, 111, 131.....	} Any 4 semester hours
Physical Education 201, 231, 241.....	
Physical Education 243.....	3 semester hours
Physical Education 273.....	3 semester hours
Physical Education 323 or 413.....	3 semester hours
Physical Education 423.....	3 semester hours
Health Education 212.....	2 semester hours
Health Education 333.....	3 semester hours

### HEALTH EDUCATION

Health Ed. 212. **First Aid.** Treatment used for fractures, dislocations, wounds, hemorrhages, poisoning, drowning, bandaging, artificial respiration, etc. Two class meetings a week. (Fall). 2 semester hours.

Health Ed. 213. **Hygiene.** A study of desirable personal health habits with emphasis on the formation of the habits for one's better understanding of his place in our modern society. (Fall, 1963). 3 semester hours.

Health Ed. 333. **School and Community Health.** A practical course in school and community health, dealing with the applications of the findings of science and medicine to the improvement of daily living. Meets certification requirements. (Fall and Spring) 3 semester hours.

Health Ed. 423. **Safety Education.** An extensive survey of those areas where accidents are most prevalent: home, industry, school, highways, etc., with consideration of the causes and the prevention of accidents. Designed for administrators and teachers and set up as a training ground to develop safety consciousness. Prerequisite: Junior standing. (Fall, 1964.) 3 semester hours.

### PHYSICAL EDUCATION

The following courses are to be taken in the freshman and sophomore years to fulfill the Physical Education activity requirement for graduation. There is no prerequisite nor any particular order in which they need be taken. Separate classes for men and women meet twice weekly.

Physical Ed. 101. **Swimming.** Instruction and practice in the skills of swimming.

Physical Ed. 111. **Tennis.** Instruction and practice in fundamentals of tennis.

Physical Ed. 131. **Team Sports.** Instruction and practice in softball, basketball and volleyball.

Physical Ed. 201. **Bowling.** Instruction and practice in the fundamentals of bowling. Offered each semester at a local bowling alley.

Physical Ed. 231. **Archery.** Instruction and practice in fundamentals of archery.

Physical Ed. 241. **Golf.** Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs.  
(Fall and Spring) 1 semester hour each.

Physical Ed. 213. **Recreational Activities.** Games and contests for home, school, and community leisure time. (Fall) 3 semester hours.

Physical Ed. 222. **History of Physical Education.** A thorough foundation in the history of Physical Education, emphasizing leaders of the past and present. (Spring) 2 semester hours.

Physical Ed. 243. **Principles of Physical Education.** A study of the aims and objectives of physical education, the standards, ideals, principles and policies; the place of physical education in modern life. (Spring) 3 semester hours.

Physical Ed. 273. **Playground Administration.** A study of playground activities and their administration. (Fall) 3 semester hours.

Physical Ed. 313. **Kinesiology.** A study of the location, mechanics and action of the principle muscles of the body and their relation to the various types of physical skills. (Spring) 3 semester hours.

Physical Ed. 323. **Physical Education for Elementary Grades.** A program of activities adapted to the school situation and to the individual needs of the child. Prerequisite: P.E. 243, or consent of instructor. (Spring) 3 semester hours.

Physical Ed. 333. **Athletic Coaching, Basketball.** A study of fundamentals, drill habits, team organization, offensive and defensive play, coaching philosophy. (Fall) 3 semester hours.

Physical Ed. 413. **Physical Education in Secondary School.** The purpose of the course is to prepare students who plan to teach Physical Education in high school to carry out the physical education program as required by the state at the high school level. The course includes both games and exercises. Required of all students who expect a certificate in Physical Education. Prerequisite: P.E. 243. (Fall) 3 semester hours.

Physical Ed. 423. **Organization and Administration of Health and Physical Education.** A course designed for majors in physical education. The course deals with the administration problems in a department of physical education in the city school system, rural district, elementary and high school, and colleges. Prerequisite: P.E. 243 and 413. (Spring) 3 semester hours.

## Division of

# HUMANITIES

*Department of English and Speech*

*Department of Foreign Languages*

*Department of Music*

ART

ENGLISH

HUMANITIES

SPEECH

DRAMATICS

FRENCH

GERMAN

SPANISH

MUSIC

ORGAN

PIANO

VOICE

MUSIC EDUCATION

## ***Division of Humanities***

Courses in the humanities at Grand Canyon College are designed to acquaint students with the best that men have felt and thought and with the means by which they have expressed these experiences. Attention is also given to the cultural influences which helped produce these attitudes toward life and these efforts toward the realization of knowledge and beauty.

Such an enrichment of mind and emotion can best be gained through first-hand contact with the materials and techniques of thought and expression. For this reason, emphasis is placed upon direct experience with literature, language, art, music, drama, speech, and writing.

## **ART**

Art 203. **Beginning Drawing and Painting.** An introduction to the elements of art in drawing and painting. Studio problems will include work with still life and the model. Both linear and atmospheric perspective will be investigated. (Summer, 1964)

3 semester hours

Art. 213. **Art Appreciation.** (Included in Humanities 215, 225; see page 97.) This is a course designed to introduce the student to the nature of the visual arts and their function in our contemporary society and to stimulate an active appreciation through the study of great art, past and present.

3 semester hours

Art 303. **Art for Elementary Schools.** To aid through seeing, doing, and discussion, the student preparing to teach on the elementary educational level. This aid should be an enrichment of the student's growing attitude and philosophy toward teaching as well as the art of living. This enrichment process can perhaps best succeed when the following are clearly understood.

How art correlates with the total elementary school program.

How art can be used as an educational vehicle within itself.

The role of the classroom teacher in synthesizing art with other subject matter areas of study. (Summer, 1964)

3 semester hours

## Department of English and Speech

The English Department of Grand Canyon College aligns its objectives with the Baptist and Protestant tradition of the harmony of Christian faith and reason. Believing that a wholesome spiritual development is inconsistent with a cultivation of "blind spots," we propose that a thinking Christian should read widely and write with comprehension of the background of his culture.

The instruction given in English has three objectives—two of them for every student who shall graduate from Grand Canyon College and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is a command of clear and effective English, spoken and written, in order that the student may assume a position of intelligent leadership in the American community. The second objective is the development of the habit of reading good literature with appreciation and enjoyment so that the student may have the power of thought which comes from a knowledge of the riches accumulated in the literature associated with his own language. The third objective, for the major in English, is a more specific study of skills, habits, and knowledge involved in the first two objectives and the pursuit of these studies to the point of at least a beginning mastery. The student majoring in English should be equipped to write effectively and imaginatively and should have a knowledge of the authors whose works illustrate the development of both the English and American language and literature.

### Requirements for a major in English

English 113, 123; Humanities 215, 225 .....	16 semester hours
English 313, 323, 333, 353, 363, 423, 433, 443, 453.....	9 semester hours
Other English electives which may include 3 hours in Speech or Drama .....	9 semester hours

### Requirements for a major in English

#### (with emphasis upon writing and the teaching of writing)

English 113, 123; Humanities 215, 225 .....	16 semester hours
English 343, 363, 473, 483 .....	9 semester hours
Literature electives .....	9 semester hours

### Requirements for a minor in English

English 113, 123; Humanities 215, 225 .....	16 semester hours
Electives in English (upper division courses) .....	6 semester hours

### Requirements for a minor in Speech

Speech 113, 123 (depending upon previous experience).....	3-6 semester hours
Speech 323, 353 .....	6 semester hours
Speech 223; Drama 213, 223, 233 .....	6-9 semester hours

## ENGLISH

English 110. **Remedial English.** This course is designed for students who have deficiencies in grammar, punctuation, and spelling. Grammar is emphasized. Short themes may be required. (Each semester)

No credit.

English 113. **Grammar and Composition.** The purpose of this course is to train students in writing and speaking clearly and effectively. The work includes exposition, argumentation, vocabulary, weekly themes, and the study of essays. One term paper is required. (Each semester)

3 semester hours.

English 123. **Composition and Literature.** This course, a continuation of 113, includes the study of description and narration. The short story and novel will be studied. One complete novel and many short stories are read. Themes and special reports are required. Prerequisite: English 113. (Each semester)

3 semester hours

\*Humanities 215. **English Literature and the Humanities I.** The humanities courses correlate a developmental approach to the appreciation of art and music with an enriched survey course in English literature and its European and classical backgrounds. The philosophical, aesthetic, and historical trends in the literature, art, and music of each period through the eighteenth century are considered in Humanities 215. Prerequisites: English 113 and 123. (Each Fall and first Summer term)

5 semester hours

\*Humanities 225. **English Literature and the Humanities II.** This course, a continuation of Humanities 215, covers the periods from Romanticism through the modern era. Outside reading and reports are required. Prerequisites: English 113 and 123. (Each Spring and second Summer term)

5 semester hours

English 303. **Classical Background in English Literature.** Greek and Roman authors will be studied in translation. A dictionary of mythology will be included to familiarize the student with the most famous of the classical myths. Prerequisites: English 113, 123, and permission of the department. (Fall, 1963).

3 semester hours

English 313. **American Literature.** A study is made of the background and national development of American literature. Emphasis is on the outstanding authors of each period and intense study of their representative works. The Colonial Age and period of the Republic through Poe and Longfellow are studied. Papers and reports are required. Prerequisites: English 113 and 123. (Fall, 1963)

3 semester hours

English 323. **American Literature.** In this course the emphasis is on Whitman, Emily Dickinson, the novel and short story, and the essay through the nineteenth century. Prerequisites: English 113 and 123. (Spring, English 113, 123, and Junior standing. (Fall, 1964)

3 semester hours.

\*Equivalent credit: English Literature, 3 semester hours; Art Appreciation, 1 semester hour; Music Appreciation, 1 semester hour.

English 333. **The Short Story.** This course includes the study of the development of the short story, the different types, the analysis of technique, the reading of many short stories, and experience in writing. Prerequisites: English 113, 123, and Junior standing. (Fall, 1964)

3 semester hours.

English 343. **Advanced Composition.** This course includes daily practice in writing, extensive reading, and the analysis of selected library works. Prerequisites: English 113, 123, and Junior standing. (Spring, 1965)

3 semester hours

English 353. **Contemporary British and American Poetry.** The representative poets of the twentieth century are studied. The trends and influences are carefully considered. Emphasis is on such poets as Frost, Sandburg, T. S. Eliot, and the younger group of poets. Extensive reading and some writing are required. Prerequisites: Humanities 215, 225. Fall, 1964)

3 semester hours

English 363. **Advanced Grammar.** This is a course for advanced students. The historical approach to English grammar will provide the background for the study, but the emphasis will be on syntax, form, and mechanics. Prerequisites: English 113, 123, Junior standing. (Each Summer; Fall 1964)

3 semester hours

English 373. **English Literature of the Eighteenth Century.** This course will include selections by Defoe, Swift, Addison, Steele, Pope, Johnson, Thomson, Collins, Gray, Goldsmith, Burke, Paine, and others. The most important prose and poetry of the century will be examined. Prerequisites: Humanities 215, 225. (Spring, 1965)

3 semester hours.

English 383. **The Romantic Period in English Literature.** This course involves the study of much of the poetry and prose produced in England between 1798 and 1832. An attempt is made to arrive at a definition and understanding of romanticism. Prerequisites: Humanities 215, 225. (Fall 1963)

3 semester hours.

English 423. **The British Novel.** A study is made of the development of the British Novel. Representative novels are read and discussed. Prerequisites: Humanities 215, 225. (Spring, 1965)

3 semester hours.

English 433. **Shakespeare.** This course includes the study of important early plays with consideration of the types, sources, and Shakespeare's development as a dramatist. Prerequisites: Humanities 215, 225, and Junior standing. (Fall 1964)

3 semester hours.

English 443. **Shakespeare.** This course, a continuation of 433, is an intensive study of the great tragedies and later comedies. Prerequisites: Humanities 215, 225, and Junior standing. (Spring 1965)

3 semester hours.

English 453. **Milton.** Consideration is given to Milton's prose work and to his short poems and a careful study of Paradise Lost. Influences and trends of the seventeenth century are emphasized. Term papers and required. Prerequisites: Humanities 215, 225, and Junior standing. (Fall, 1964)

3 semester hours.

English 463. **Poetry of the Victorian Period (Formerly Browning).** This course presents a comparative study of the significant poets and poetry of the period. Through reports, discussions, and special projects an attempt is made to interpret the temper and spirit of the age as well as the individuality and special merit of each author. Prerequisites: Humanities 215, 225, and Junior standing. (Spring, 1964)

3 semester hours.

English 473. **The Teaching of English.** A course designed primarily for those students who are planning to teach English at the secondary level. Prerequisites: English 113, 123, and Junior standing. (Summer, 1963)

3 semester hours

English 483. **Seminar in Writing.** This course is planned for exceptional students who have shown ability in writing and are capable of doing independent research and composition. Prerequisites: English 113, 123, Junior standing and permission of the department. (Spring, 1964)

3 semester hours.

## SPEECH

The English Department suggests that a first minor in speech would be a desirable minor for students planning careers in the ministry, religious education, secondary education, law and social work.

Speech 113. **Fundamentals of Speech.** This is a basic course and is the prerequisite of all courses in speech, drama, and radio. It emphasizes voice and diction, phonetics, and basic speech principles. (Each Fall)

3 semester hours.

Speech 123. **Introductory Public Speaking and Discussion.** The technique and practice of public discussion are stressed in this course as well as practice in various types of public speeches. Prerequisite: Speech 113. (Each Spring)

3 semester hours.

Speech 223. **Persuasive Speaking and Argumentation.** A study and practice in the recognition and use of various forms of persuasive speaking for informal and formal speeches with emphasis on argument, using proper issues, evidence, and other techniques. Prerequisite: Speech 113 or 123. (Fall, 1964)

3 semester hours.

Speech 323. **Voice and Diction.** This course will include phonetics, principles of voice production, vocabulary building, and correction of weaknesses in voice production and enunciation. Prerequisite: Speech 113 or 123. (Spring, 1965)

3 semester hours.

Speech 353. **Oral Interpretation of Literature.** This course provides for a study of the methods and techniques of interpretative oral reading of varied types of literature. Prerequisite: Speech 113 or 123. (Fall, 1963)

3 semester hours

## DRAMA

Drama 213. **Introduction to Drama.** This course presents the historical background and types of drama with reference to their theatric representation. Actual dramatic experience will be provided. Prerequisite: Speech 113. (Spring, 1965)

3 semester hours.

Drama 223. **Production and Performance.** A study of techniques and styles of acting and of organizational procedure and management of plays. Attention is given to character portrayal and play production. Laboratory work includes the presentation of a play. (Each Fall)

3 semester hours.

Drama 233. **Stagecraft.** This course is designed for instruction and practice in set construction, lighting, makeup, costuming, properties, and other specific duties of back stage production. (Each Spring)

3 semester hours.

## Department of Foreign Languages

It is the purpose of the Department of Foreign Languages to enlarge the student's horizons and to give him the language tools to actively develop new interests. It is the practice of the department to provide course material and methods of presentation oriented toward the principle that, ideally, there is no cleavage between the appreciation of other cultures and the ability to use reasonably well their spoken and written languages.

Credit for the first semester of a language is granted to students only upon the completion of the second semester's work.

In evaluating high school work in a language, two years may count as the equivalent of three semester hours. The head of the department may determine in which course students should begin their college language. Required language courses should be taken consecutively.

Twelve hours of one language (or equivalent), meets the language requirement for graduation.

French 113. **Elementary French.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall).

3 semester hours

French 123. **Elementary French.** A continuation of 113. Prerequisite: French 113 or two years of high school French. (Spring)

3 semester hours

French 213. **Intermediate French.** Review, composition, conversation and graded reading. (Fall, 1964)

3 semester hours

French 223. **Intermediate French.** Continuation of 213. (Spring, 1965)

3 semester hours

## GERMAN

German 113. **Elementary German.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall).

3 semester hours.

German 123. **Elementary German.** A continuation of 113. Prerequisite: German 113. (Spring).

3 semester hours.

German 213. **Intermediate German.** Grammar review, conversation and composition, and reading of suitable texts. Prerequisite: German 123. (Fall).

3 semester hours.

German 223. **Intermediate German.** A continuation of 213. (Spring).  
3 semester hours.

## SPANISH

Spanish 113. **Elementary Spanish.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall).  
3 semester hours.

Spanish 123. **Elementary Spanish.** A continuation of Spanish 113. Prerequisite: Spanish 113 or two years of high school Spanish. (Spring).  
3 semester hours.

Spanish 213. **Intermediate Spanish.** Grammar review, conversation and composition, and reading of suitable texts. Prerequisite: Spanish 123. (Fall).  
3 semester hours.

Spanish 223. **Intermediate Spanish.** A continuation of Spanish 213. (Spring)  
3 semester hours.

## Department of Music

Any student interested in music, even though not wishing to major in this department, may apply for voice, piano, organ or other subjects offered. Participation in all musical organizations is open to any student enrolled in the College.

Credit for one hour each semester is given for choir, orchestra, or band, but not more than four hours may be counted toward a degree.

### Choirs

The Oratorio and Opera Society is an organization formed for the purpose of presenting oratorios and operas each season, rehearsing twice a week. *The Messiah* is presented in December and an opera or Oratorio in the spring. Membership is open to all students who qualify.

The Choralaires is an organization chosen from the Oratorio and Opera Society, which rehearses twice a week in addition and presents concerts throughout the year in high schools, churches, on the radio and television. The highlight of the year is the annual spring tour. The better choral works of both sacred and secular music are performed.

### Student Recitals

At regular intervals informal and formal recitals are given. All applied music students are expected to perform in at least two recitals or workshops during each semester. All applied music students required to attend all student recitals.

A junior recital is required of every prospective graduate as prerequisite to senior work. Junior recitals are given in groups of two or three after completion of prerequisite technical examinations.

A senior recital, individually rendered, is required of every degree candidate in applied music. It must be completed not later than two weeks

before commencement. A senior is one who is following the prescribed senior course having completed his senior prerequisites, and who gives evidence of being able to complete his course within the year. Application for senior recital must be made four months before graduation date.

### Concert and Radio Work

Groups and individual performers are sent out upon request for church meetings and banquets. Programs are prepared for radio broadcasting, clubs, and various entertainments. Students shall consult with their applied music instructor before participating in any public performance.

### Practice

To receive one hour of credit for piano, voice, or organ, the student is required to take one lesson each week and to practice a minimum of one hour daily, six days each week. For two hours' credit both lesson time and practice time are doubled.

Voice students may divide the practice hour into two thirty-minute periods if so recommended by the voice instructor.

### General Regulations

All applied music students are encouraged to take advantage of the opportunities offered in Phoenix to attend artist concerts and symphony concerts, and each student for credit is required to attend at least one such concert per semester in his chosen field.

Lessons missed because of the student's negligence will not be made up. Those missed because of illness, or because of the absence of the instructor will be made up at a time suitable to both. Students are expected to notify the instructor of planned absences at least four hours before the scheduled lessons.

### Requirements for a major in Music, B.A. Degree

To major in music for the B.A. degree a student may choose between three fields of concentration:

#### 1. Piano, with courses distributed as follows:

Piano .....	16 semester hours
Theory 114, 124, 214, 224.....	16 semester hours
History of Music.....	6 semester hours
Piano Ensemble.....	2 semester hours
Electives .....	2 semester hours
<b>Total .....</b>	<b>42 semester hours</b>

#### 2. Voice, with courses distributed as follows:

Voice .....	16 semester hours
Theory 114, 124, 214, 224.....	16 semester hours
History of Music.....	6 semester hours
Piano (may be waived by passing proficiency test), or electives .....	4 semester hours
<b>Total.....</b>	<b>42 semester hours</b>

#### 3. Music Theory

Theory 114, 124, 214, 224.....	16 semester hours
History of Music.....	6 semester hours
Applied Music (at least 4 in piano).....	8 semester hours
Advanced theory courses .....	6 semester hours
Electives .....	6 semester hours
<b>Total.....</b>	<b>42 semester hours</b>

### Requirements for a major in Music Education (B.S. Degree)

(With Secondary Certificate Requirements)

Certification for Music in Grades 1-12

(Six Hours Graduate Study Required to Teach in High School)

Applied Music .....	12 semester hours
(1) Voice Major:	
Voice .....	8 semester hours
Piano .....	4 semester hours
(2) Piano Major:	
Piano .....	8 semester hours
Voice .....	4 semester hours
Music Ed. (Methods) 333, 413.....	6 semester hours
Music 212. Survey of Orchestral Instruments .....	2 semester hours
Music 114, 124, 214, 224, 323, Theory.....	19 semester hours
Music 333, 343, History of Music .....	6 semester hours
Music 373, Conducting .....	3 semester hours
Choir .....	4 semester hours
Electives .....	4 semester hours

### Requirements for a minor in Music Education

Applied music (Piano 2, Voice 2).....	4 semester hours
Theory .....	4 semester hours
Conducting .....	3 semester hours
Choir .....	2 semester hours
Music Education .....	3 semester hours
Music Appreciation .....	2 semester hours

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Since a minor teaching field of at least eighteen hours is required of prospective secondary school teachers, it is recommended that students in this program select an English or Social Studies minor.

## ENSEMBLE MUSIC

Music 111, 121, 211, 221, C.M. **Choral Music.** Oratorio and Opera Society. (Selected students, by audition.)

Credit for one hour each semester is given for Choralaires, Oratorio and Opera Society; but not more than four hours may be counted toward a degree.

Music 301a,b. **Piano Ensemble.** Open to all qualified students.

Music 101a,b; 201a,b. **Band.** Open to qualified students, on demand.

Music 101a,b; 201a,b. **Orchestra.** Open to qualified students, on demand.

## THEORY

Music 112. **Fundamentals of Music.** A course designed to give a thorough elementary understanding of notation, general terms, and the basic elements of music; harmony, melody, and rhythm. For non-music majors. No credit for music majors. No prerequisite.

2 semester hours.

Music 114. **Theory of Music.** An integrated course in musicianship, including ear training, sight-singing, dictation, written and keyboard harmony. Study of the structure of music to develop skill in creative expression, as well as skill in analyzing and understanding music being studied and performed. Designed for music majors and minors. Prerequisite: Knowledge of basic elements of music. Three hours class work, and two hours of lab. (Every Fall).

4 semester hours.

Music 124. **Theory of Music.** A continuation of Music 114. (Every Spring).

4 semester hours.

Music 214. **Theory of Music.** Advanced study in part-writing, including chromatic and other non-harmonic tones, further study in sightsinging, dictation, and keyboard application of theoretical materials. Prerequisite: Music 114, or the equivalent. Three hours of class work and two hours of lab. (Every Fall).

4 semester hours.

Music 224. **Theory of Music.** A continuation of Music 214. (Every Spring).

4 semester hours.

Music 313. **Counterpoint.** A practical study of sixteenth to eighteenth century counterpoint in its various species in two to four part writing. Prerequisite: Music 224. (Fall, 1963 and alternate years).

3 semester hours.

Music 323. **Form and Analysis.** A study of the structure of music; motif and phrase, lied, rondo, variation, sonata, and programmatic forms. Prerequisite: Music 224. (Spring, 1964 and alternate years).

3 semester hours.

## PIANO

Music 111P; 121P. **Class Piano.** Class instruction in elementary piano for students with no previous training. Adult preparatory books such as Oxford, and John Thompson, are used. (Fall and Spring).

1 semester hour each.

Music 131P, 132P; 141P, 142P. **Piano—Private Instruction.** Major and minor scales in octaves; broken chord exercises. Czerny, selected studies; or Bertini, Studies, Mozart or Haydn, easier Sonatas, Bach Two Part Inventions.

1 or 2 semester hours each.

Music 231P, 232P; 241P, 242P. **Piano—Private Instruction.** Major and minor scales in faster tempo and in thirds, sixths, and tenths; arpeggios in sevenths. Czerny, School of Velocity, Opus 299. Bach, Three Part Inventions. Mozart, Sonatas; Compositions by Chopin, Debussy, etc. Prerequisite: Music 141P or equivalent.

1 or 2 semester hours each.

Music 301 a,b. **Piano Ensemble.** Required of all piano majors.

1 semester hour.

Music 311P, 312P; 321P, 322P. **Piano—Private Instruction.** Czerny, Opus 740. Bach Three Part Inventions. Beethoven, Sonatas. Chopin, Nocturnes, Etudes, Scherzos. Classic, romantic, and modern selections. Preparation for junior recital. Prerequisite: Music 241P or equivalent.

1 or 2 semester hours each.

Music 411P, 412P; 421P, 422P. **Piano—Private Instruction.** Clementi, Gradus ad Parnassum. Bach, Well-Tempered Clavichord. Chopin, Etudes. Beethoven sonatas of greater difficulty. Classic, romantic, and modern pieces. Preparation for senior recital. Prerequisite: Music 321P.

1 or 2 semester hours each.

## ORGAN

Students must have completed approximately six years of piano study or its equivalent. This includes a knowledge of the major and minor scales, Bach Inventions, easier sonatas of Mozart and Beethoven, and compositions by romantic and modern composers. (Exceptions may be made by the instructor.)

Music 111 O; 121 O. **Class Organ.** Class instruction in elementary organ for students with no previous training.

1 semester hour each.

Music 131 O, 132 O; 141 O, 142 O. **Organ—Private Instruction.** The first semester is given to the study of organ methods of Clarence Dickinson, pedal studies, and hymn playing. Suggested repertoire includes Eight Short Preludes and Fugues and other works by Bach, Old Masters of the Organ by Bonnet, and works by Mendelssohn and Dupre.

1 or 2 semester hours each.

Music 231 O, 232 O; 241 O, 242 O. **Organ—Private Instruction.** Advanced pedal studies and service playing including transcription of piano music to organ. Suggested repertoire includes works by Bonnet, and Franck. Bach's Fantasia and Fugue in C Minor, Toccata and Fugue in D Minor, Prelude in E Minor, Prelude and Fugue in C Major.

1 or 2 semester hours each.



Music 311 O, 312 O; 321 O, 322 O. **Organ—Private Instruction.** Continued study of Bach, Preludes and Fugues in A Major, F Minor, A Minor, G Major, D Major, and Choral Preludes. Choral Preludes—Brahms, Fantasia in C Major, Pastoral, Piece Heroique-Franck. Accompaniment of soli, cantatas, etc. A junior recital. 1 or 2 semester hours each.

Music 411 O, 412 O; 421 O, 422 O. **Organ—Private Instruction.** Toccata, Adagio, and Fugue in C, Prelude and Fugue in E Flat, and Passacaglia by Bach. Brahms, Mendelssohn, Reubke, Vierne, and modern composers. A senior recital is required. 1 or 2 semester hours each.

### VOICE

Music 111V; 121V. **Class Voice.** Principles of breathing and breath control. A study of vowels and fundamental essentials to tone production. Elementary songs. (Fall and Spring). 1 semester hour each.

Music 131V, 132V; 141V, 142V. **Voice—Private Instruction.** Fundamentals of voice production, principles of breathing, breath control, a study of vowels and essentials of tone production. Simple songs. 1 or 2 semester hours each.

Music 231V, 232V; 241V, 242V. **Voice—Private Instruction.** More advanced technique. Studies in diatonic and chromatic scales, legato, staccato, phrasing and tone color, with emphasis on diction and interpretation. Prerequisite: Music 141V or equivalent.

1 or 2 semester hours each.

Music 311V, 312V; 321V, 322V. **Voice—Private Instruction.** Fundamentals of style and expression, continued emphasis on tone production. Increased study of songs. Preparation for junior recital. Prerequisite: Music 241V or equivalent. 1 or 2 semester hours each.

Music 411V, 412V; 421V, 422V. **Voice—Private Instruction.** Recapitulation of the work of the preceding years together with the study of more difficult songs and modern song literature. Preparation for senior recital. Prerequisite: Music 321V or equivalent.

1 or 2 semester hours each.

### HISTORY, APPRECIATION, AND CONDUCTING

Music 252. **Appreciation of Music.** (Included in Humanities 215, 225, See page 97.) A course designed to contribute to intellectual, emotional, and aesthetic understanding of music as expression, as a science, and as an art closely akin to all other fine arts. Listening to great works of music and developing some insight into music's inner workings are integral phases, that the student may develop a discriminating and intelligent appreciation of the best in music. Required of all students. (Each semester). 2 semester hours

Music 333. **History of Music.** This course is a survey of music from primitive times to the middle of the 18th century. Presents the growth of music through the contrapuntal schools culminating in the work of J. S. Bach. The development of opera and oratorio, and the rise of homophonic music. (Fall, 1964) 3 semester hours.

Music 343. **History of Music.** A continuation of Music 333 from the 18th century to modern days. The art song. The nationalist schools. The principal composers of the classical, romantic and modern periods, together with masterpieces of these periods, will be presented and discussed. (Spring, 1965) 3 semester hours.

Music 373. **Choral Conducting.** The fundamentals and techniques of conducting hymns, anthems, and other choral music are studied. Problems of directing vocal groups are discussed. Special emphasis on interpretation. Baton technique is studied. Prerequisite: Junior standing or consent of instructor. (1965 and alternate years). 3 semester hours.

Music 383. **Advanced Conducting.** A continuation of Music 373 with emphasis on choral and instrumental literature. Emphasis on score reading, artistic interpretation, and conducting of marches, overtures, symphonies, etc. Prerequisite: Music 373. (1964 and alternate years). 3 semester hours.

Music 423. **Music Literature.** A survey of music literature including masterworks of chamber music, symphony, concerto, choral, and opera, with emphasis on style and aesthetics. Prerequisites: Music 333, 343. (Spring, 1965 and alternate years)

### MUSIC EDUCATION

Music Education 212. **Survey of Orchestral Instruments.** The care and problems of each instrument are studied. (Spring, 1964) 2 semester hours.

Music Education 333. **Music in the Primary and Elementary Grades.** Study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations. (Spring, 1964) 2 semester hours.

Music Education 413. **Music in the Junior and Senior High Schools.** Methods for developing and conducting the music program in junior and senior high school, including the organization of choruses and glee club; classification of voices; music appreciation; selection of music material, etc. Prerequisite: Music 112, or consent of instructor. (Fall, 1963) 3 semester hours.

*Division of*

**NATURAL SCIENCE  
and MATHEMATICS**

*Department of Natural Science and Mathematics*

LIFE SCIENCE

BIOLOGY

BOTANY

ZOOLOGY

PHYSICAL SCIENCE

CHEMISTRY

PHYSICS

MATHEMATICS

## Department of Natural Science and Mathematics

### Requirements for a major in Biology

Biology 114a and b.....	8 semester hours
Biology 124a and b.....	8 semester hours
Electives in Biology.....	14 semester hours

### Requirement for a minor in Biology

Biology 114a and b, or Biology 124a and b.....	8 semester hours
Electives in Biology.....	10 semester hours

### Requirements for a minor in General Science

#### Complete one of the following combinations:

Physics .....	8 hours	Physics .....	8 hours
Chemistry .....	8 "	Biology .....	8 "
Biology .....	4 "	Chemistry .....	4 "
Chemistry .....	8 hours	Chemistry .....	12 hours
Biology .....	8 "	Biology .....	4 "
Physics .....	4 "	Physics .....	4 "

### Requirements for a major in Mathematics

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243 .....	9 semester hours
Upper division courses in Mathematics .....	12 semester hours

### Requirements for a minor in Mathematics

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243 .....	9 semester hours
Upper division courses in mathematics .....	6 semester hours

### Requirements for a major in Mathematics Education\*

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243, 253 .....	12 semester hours
Mathematics 383 .....	3 semester hours
Upper division courses in Mathematics .....	10 semester hours

† Not to be repeated if taken for credit in high school.

\* The major in Mathematics Education is designed principally for high school mathematics teachers. It requires thirty-four hours of mathematics, but the foreign language requirement may be waived. General Science is suggested as a minor.

## Division of Natural Science and Mathematics

This division, as an integral part of the liberal arts foundation of Grand Canyon College, endeavors to provide every student with a broad introduction to science and mathematics at the college level. In this respect, it stresses the spirit and method of science and the concepts and contributions of mathematics, and focuses attention on the social, economic, and political implications of these areas of knowledge and endeavor.

The division also provides appropriate courses for students desiring to specialize in life science, physical science, and mathematics, and seeks to prepare qualified students for teaching, for graduate study, or for professional training in these areas.

## BIOLOGY

The courses in biology are offered for the purpose of general culture as well as to lay proper foundations for those desiring to specialize in scientific work, in medicine, or agriculture.

Biology 114a-114b. **General Botany.** The student is introduced to the basic principles of the science of living matter through a study of the functions of common plants. The laboratory work includes the use of the microscope, preparation of slides, and experiments illustrating plant phenomena. Life cycles of representative species are studied. (Each year)  
4 semester hours each

Biology 124a-124b. **General Zoology.** Basic principles of living matter are emphasized through study of the animal kingdom. Dissections are made of representative specimens. (Each year)  
4 semester hours each

Biology 134. **General Biology.** A study of the basic principles that govern living things and their relationship to man. (Each semester)  
4 semester hours

Biology 314. **Entomology.** Study of life histories, taxonomic work, methods of study, collecting and preserving insects. Students are required to prepare a representative collection. Prerequisite: Biology 124a. (Fall, 1964)  
4 semester hours.

Biology 323. **Genetics and Eugenics.** Principles and facts of heredity developed from plants and animals. Principles of race improvement. Prerequisite: Biology 114a and b or 124a and b. (Spring, 1964)  
3 semester hours.

Biology 324. **Systematic Botany.** The principles of taxonomy are studied with reference to local flora. Specimens are keyed and added to the Department Herbarium. Prerequisite: Biology 114a and b. (Spring, 1965)  
4 semester hours.

Biology 334. **Microbiology.** (Formerly **Bacteriology.**) Introduction to the principles and applications of Microbiology with a study of general characteristics of microorganisms and their relation to man. Prerequisites: Biology 114b and 124a. (Spring, 1964)  
4 semester hours.

Biology 344. **Introduction to Embryology.** An elementary course based on the embryology of the chick, but with some work on a few other animal stages. Prerequisite: Biology 124a, 124b. (Fall, 1963)  
4 semester hours.

## CHEMISTRY

Chemistry 114, 124. **General Chemistry.** Fundamental principles of chemistry and its relationship to life and society. Designed for both students of general education and students preparing for professions of agriculture, medicine, science teaching, engineering, nursing, home economics, and others. Prerequisite: High School Algebra. (Each year)  
4 semester hours each.

Chemistry 324. **Organic Chemistry, Short Course.** This course does not treat the subject of organic chemistry in a systematic way as a year's course in General Organic Chemistry does, but is a simple presentation of its practical application. Basic principles will be stressed, so that the course will not only equip students with some general concepts of Organic Chemistry; but it will also meet the requirements for pre-agricultural, pre-nursing, lab technician, home economics, and industrial arts courses. Prerequisite: Chemistry 124. (Summer, 1964) 4 semester hours.

## MATHEMATICS

All students will take Mathematics 113 as a part of their General Education program. Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced standing with regard to certain other mathematics courses.

Mathematics 110. **Remedial Mathematics.** For those students who have inadequate high school mathematical background. (Every spring)  
No credit.

Mathematics 113. **Introduction to College Mathematics.** This course will be concerned with the development of the foundations of mathematics and with the implications of mathematical ideas, concepts, and processes in solving problems in daily life. (Each Semester) 3 hours.

Mathematics 133. **College Algebra.** A study is made of binomials, complex numbers, and theory of equations. (Each Fall)  
3 semester hours.

Mathematics 143. **Plane Trigonometry.** This course includes the construction and measurement of angles, definition of trigonometric functions, inverse functions, and the solution of triangles. (Each Spring)  
3 semester hours.

Mathematics 211. **Slide Rule.** The use of slide rule in solving more complicated numerical problems. (Each Fall)  
1 semester hour.

Mathematics 213. **Analytic Geometry.** This is an introductory course which presents a study of graphs, curves, straight lines, conic sections, and equations of the second degree. Prerequisite: Mathematics 133. (Each year)  
3 semester hours.

Mathematics 233. **Differential Calculus.** This study covers the method of differentiation. Parallel or Prerequisite: Mathematics 213. (Each Fall)  
3 semester hours.

Mathematics 243. **Integral Calculus.** This study covers methods of integration, definite integrals, multiple integrals, and the applications. Prerequisite: Mathematics 233. (Each Spring) 3 semester hours.

Mathematics 253. **College Geometry.** A course in the technique of construction and procedure of proofs of common geometric figures, particularly adapted to the needs of future high school mathematics teachers. (Each Spring) 3 semester hours.

Mathematics 313. **Theory of Equations.** This course includes the solutions of the cubic and quartic equations, the solution of numerical equations, use of determinants, and a study of symmetric functions. Prerequisite: Mathematics 213. (Fall, 1964) 3 semester hours.

**Mathematics 323. Differential Equations.** This study includes the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: Mathematics 243. (Fall, 1964) 3 semester hours.

**Mathematics 333. Analytic Geometry of Space.** This course includes a study of planes and lines, transformation of coordinates, types of surfaces, the sphere, and quadric surfaces. Prerequisite: Mathematics 243. (Spring, 1965) 3 semester hours.

**Mathematics 363. Introduction to Probability and Statistics** (Same as Business Administration 343). Elementary theories of probability, distribution, and testing of statistical hypotheses; practical experience in the application of statistical methods. Prerequisite: Mathematics 113 or 133. (Each Fall) 3 semester hours.

**Mathematics 383: Mathematics for Teachers.** A study of selected phases of mathematics for secondary schools and of the various techniques and methods employed in teaching courses in mathematics. Prerequisite: Mathematics 243. (Spring, 1965) 3 semester hours

**Mathematics 403. Modern Mathematics for Elementary and Junior High School.** (Same as Elementary Education 403.) (Spring, 1964) 3 semester hours.

**Mathematics 423: Introduction to Modern Algebra.** This course is designed to acquaint students with the fundamental concepts of logical reasoning and logical structure as employed in mathematics rather than its formal techniques. Some elementary theories of sets, fields, vector spaces, matrices and probability will be introduced. It would be beneficial to all liberal arts students as well as to prospective teachers of mathematics. Prerequisite: Mathematics 213. (Spring, 1965) 3 semester hours

### PHYSICS

**Physics 134. Introduction to the Physical Sciences.** A coordinating study of the fundamentals of physics, chemistry, meteorology, geology, and astronomy, and of the significance of the physical sciences in today's world. (Each Semester) 4 semester hours.

**Physics 203. Introduction to Astronomy.** A general introductory non-technical course in Astronomy. A study of the history of astronomy, the solar system, stars, constellations, and galaxies for the appreciation and understanding of the natural laws of the universe. Prerequisite: Physics 134 or equivalent. (Fall, 1963) 3 semester hours.

**Physics 214. General Physics.** This course treats the basic principles of general physics including a study of mechanics, heat, and sound. Prerequisites: Mathematics 133, 143, or consent of instructor. (Each Fall) 4 semester hours.

**Physics 224. General Physics.** This is a continuation of Physics 214 and includes a study of magnetism, electricity, and light. Prerequisite: Physics 214. (Each Spring) 4 semester hours.

### Division of

## RELIGION and SOCIAL STUDIES

*Department of Religion*

*Department of Social Studies*

BIBLE

NEW TESTAMENT GREEK

RELIGIOUS EDUCATION

PHILOSOPHY

GOVERNMENT

HISTORY

SOCIOLOGY

### ***Division of Religion and Social Studies***

The Division of Religion and Social Studies seeks to relate the student significantly to his social and spiritual areas of life through a study of past and present civilizations.

## **Department of Religion**

Most of the courses in this department are basic courses designed for all college students. They are not professional courses for ministerial students to take the place of studies in a theological seminary or a divinity school. If ministerial students are fairly certain that they will continue their studies in a seminary, it is suggested that they major in such areas as English, history, social studies, or sociology. The courses in this division are intended to give the students an understanding and appreciation of the Bible, to arouse in students a desire for Christian usefulness, and to equip them for leadership in the various activities of the churches.

### **Requirements for a major in Bible\***

Bible 113, 123.....	6 semester hours
Bible 273†.....	3 semester hours
Bible 283†.....	3 semester hours
Bible 373.....	3 semester hours
Electives in Bible.....	15 semester hours

\* There may be electives of 6 hours in Religious Education.

† Non-ministerial Bible majors may be allowed to substitute other non-required Bible courses or Rel. Ed. 113 and 123 for Bible 273 and Bible 283.

### **Requirements for a minor in Bible**

Bible 113, 123 .....	6 semester hours
Bible 373 or 463 .....	3 semester hours
Electives in Bible .....	9 semester hours

### **Requirements for a major in Religion**

Bible 113, 123 .....	6 semester hours
Rel. Ed. 213, 243, 263 .....	6 semester hours
Rel. Ed. 323 or 333 .....	3 semester hours
Rel. Ed. 463 .....	3 semester hours
Bible 373 .....	3 semester hours
Electives, (at least 3 hrs. in Bible) .....	9 semester hours

### **Requirements for a minor in Religion**

Bible 113, 123 .....	6 semester hours
Rel. Ed. 213, 243, 263 .....	6 semester hours
Bible 373 .....	3 semester hours
Rel. Ed. 333 or 463 .....	3 semester hours

### **Requirements for a minor in Religious Education**

Rel. Ed. 113, 123, 143.....	6 semester hours
Rel. Ed. 223.....	3 semester hours
Electives in Religious Education.....	9 semester hours

## **BIBLE**

Bible 113. **Old Testament History.** An introduction to the Old Testament and a survey of the historical literature. Attention will be given to the

institutions, religion, and national life of the Hebrew people. Required for graduation. (Each semester)

3 semester hours.

**Bible 123. New Testament History.** A general survey of the New Testament, beginning with the inter-Biblical period, with the main emphasis given to the Gospels and Acts. Required for graduation. (Each semester)

3 semester hours.

**Bible 273. Pastoral Duties.** This will be a study of practical duties and problems of the modern pastor, translating New Testament principles into present day practice. Such matters will be studied as ordination, baptism, Lord's Supper, marriages, and funerals. Prerequisites: Bible 113, 123. (Fall)

3 semester hours.

**Bible 283. Homiletics.** A study in the art of preparing and delivering sermons. There will be some actual practice in the delivery of sermons. Some attention will be given to the building and use of a personal library. Prerequisites: Bible 113, 123. (Spring)

3 semester hours.

**Bible 323. Evangelism.** A study of the principles, message, and methods of evangelism. The principles of the Bible will be applied to all types of evangelism, including personal, church and mass evangelism. Each student is expected to do personal work as a part of this course. Prerequisites: Bible 113, 123. (Spring, 1965)

3 semester hours.

**Bible 333. Old Testament Prophets.** A study of the occasion, content and interpretation of the writing prophets of the Old Testament, with special emphasis on the Messianic element. Prerequisites: Bible 113, 123. (Spring, 1964)

3 semester hours.

**Bible 353. Old Testament Poetry.** A study of the poetical books of the Old Testament, with reference to their literary style, occasion, and interpretation. Prerequisites: Bible 113, 123. (Spring, 1965)

3 semester hours.

**Bible 373. Christian Doctrines.** A systematic study of the great doctrines of the Bible, with special attention given to the doctrines and practices of Baptists. Prerequisites: Bible 113, 123. (Fall)

3 semester hours.

**Bible 423. General Epistles and Revelation.** This study will deal with the historical background, authorship, and exegetical analysis of the General Epistles (James; I and II Peter; I, II, and III John; Jude; and Hebrews) and Revelation. Prerequisites: Bible 113, 123. (Spring, 1964)

3 semester hours.

**Bible 433. Life and Teachings of Christ.** A careful study of the life of Jesus with special emphasis on His person, teachings, and work. Prerequisites: Bible 113, 123. (Fall)

3 semester hours.

**Bible 443. Life and Letters of Paul.** A study of the life and times of the apostle Paul with an interpretation of his epistles based upon their historical setting. Prerequisites: Bible 113, 123. (Spring, 1965)

3 semester hours

**Bible 463. Biblical Backgrounds.** A geographical and archaeological survey of Palestine and surrounding countries including the important political, social, and religious customs and conditions pertaining to Biblical history. Prerequisites: Bible 113, 123. (Spring, 1964).

3 semester hours.

### NEW TESTAMENT GREEK

The courses listed below are designed first, to confer an early mastery of the essentials of inflection and syntax; second, to resolve the principal difficulties of grammatical analysis; and third, to develop in the student a vigorous and independent interest in the Greek New Testament. Twelve hours of Greek (two years) will meet the language requirement for the Bachelor of Arts or Bachelor of Science degree.

**Greek 273. Beginner's Greek.** This course is designed for those who are taking the study of Greek for the first time and others whose preparation does not fit them for entering an advanced class in Greek. It aims to give the fundamentals necessary to the study of the Greek New Testament. This course meets an hour each day, four days a week. Sophomore standing or individual approval is necessary before enrollment in this course. (Fall)

3 semester hours.

**Greek 283. Beginner's Greek.** This course is a continuation of Greek 273. A study of Davis' Grammar will be completed with simple exercises for reading and translation. Special stress will be laid upon the meaning of the cases, the prepositions, and the tenses. This course will meet an hour each day, four days a week. Prerequisite: Greek 273 or its equivalent. (Spring)

3 semester hours.

**Greek 373. Advanced Greek Grammar.** For second year students of the Greek New Testament. There will be review of forms, syntax, and prose composition. The student is required to translate the First Epistle of John and is given with each lesson demonstration of the significance of verb forms as vital to accurate translation. Prerequisites: Greek 273 and 283, or their equivalent. (Fall)

3 semester hours.

**Greek 383. Advanced Greek Grammar.** A continuation of 373. The second half of the course will include an exegesis of one short New Testament book designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. Prerequisite: Greek 373. (Spring)

3 semester hours.

## RELIGIOUS EDUCATION

Rel. Ed. 213. **A Survey of Religious Education.** An introductory and survey study of religious education, with emphasis upon the history, philosophy, objectives, techniques, and administration of the educational program of the local church. Some consideration is given to the means of organized cooperation between churches. (Fall, 1964)

3 semester hours.

Rel. Ed. 243. **Church Activities.** A study of the effective use of non-organizational activities of the church, such as expansion of membership and buildings, finance, recreation, evangelism, worship, teaching aids, and publicity. (Spring, 1964).

3 semester hours.

Rel. Ed. 263. **Church Organizations and Officers.** A study of the organizational structure for religious education within the local church, particularly with reference to the Southern Baptist Convention. The major organizations, officers, and committees are studied from a functional point of view. (Spring, 1965)

3 semester hours.

Rel. Ed. 323. **Principles of Leadership.** A study of leadership, including principles, techniques, personal characteristics, problems and pitfalls, enlistment, and training. (Fall, 1963).

3 semester hours.

Rel. Ed. 333. **Psychology of Religion.** A study of the psychology of religious experience, with special attention given to conversion, integration of personality, moral guilt, behavior, worship, prayer, and healing. Prerequisite: Psychology 213. (Fall, 1964)

3 semester hours.

Rel. Ed. 363. **Audio-Visual Aids.** See Education 363 in Department of Education. Credit may be taken in either department. (Spring)

3 semester hours.

Rel. Ed. 463. **Comparative Religions.** A study of the great representative religions of the world, both ancient and contemporary; and a study of the various religious sects in America. (Fall, 1963)

3 semester hours.

## PHILOSOPHY

Philosophy 213. **Introduction to Philosophy.** This course is a survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems. (Fall, Spring)

3 semester hours.

Philosophy 463. **Comparative Religions.** (See Religious Education 463.) (Fall, 1963)

3 semester hours.

## Department of Social Studies

History, Political Science, and Sociology are inseparably connected. History is largely the record of the social and political changes and conditions of man. The chief problems before man today, as in all the past, are economic and social. These make up the leading political questions. Therefore every citizen, to vote, talk, or act intelligently, must know something of the great underlying principles of these subjects. This is the purpose of all the courses in this department.

### Requirements for a major in History\*

History 113, 123, 233 .....	9 semester hours
History 213, 223 .....	6 semester hours
History 403 .....	3 semester hours
Electives in History* .....	12 semester hours

\* There may be electives of 6 hours in upper division Government.

### Requirements for a minor in History

History 113, 123, 233 .....	9 semester hours
History 353, 363 .....	6 semester hours
Electives in History .....	3 semester hours

### Requirements for a major in Sociology

Sociology 213, 223 .....	6 semester hours
Sociology 303 .....	3 semester hours
Sociology 333, 343 .....	6 semester hours
Sociology 353 .....	3 semester hours
Sociology 403 .....	3 semester hours
Sociology 423, 433 .....	6 semester hours
Electives: Economics 213, 223; Government 333, 343; Psychology 382; Religious Education 333 .....	3 semester hours

### Requirements for a minor in Sociology

Sociology 213, 223 .....	6 semester hours
Electives in Sociology .....	12 semester hours

### Requirements for a major in Social Studies

History 113, 123, 233 .....	9 semester hours
History 353, 363 .....	6 semester hours
Sociology 213, 223 .....	6 semester hours
Government 213, 233 .....	6 semester hours
Economics 213 .....	3 semester hours
Electives in Social Studies .....	6 semester hours

### Requirements for a minor in Social Studies

History 113, 123, 233 .....	9 semester hours
Sociology 213 .....	3 semester hours



Government 213 .....	3 semester hours
Electives in Social Studies.....	6 semester hours

#### Requirement for a minor in Government

Government 213, 233 .....	6 semester hours
Electives in Government.....	12 semester hours

### GOVERNMENT

Government 213. **Federal Government.** An intensive study of the Federal Government of the United States. The purpose of this course is to furnish a guide to American citizenship, as well as to furnish a manual for the various phases of the constitutional system of the United States, including a general study of state and local government. Prerequisite: Sophomore standing. (Fall)

3 semester hours.

Government 233. **Arizona History and Government.** The first half of the course will concentrate on Arizona history from pre-territorial days to the present, emphasizing economic and social developments as well as political factors. The second half of the semester will be devoted to a study of the structure of Arizona's government at the state, county, and local levels. Each half of the course may be taken separately for 1½ hours each. Prerequisite: Sophomore standing. (Spring)

3 semester hours.

Government 303 a-b. **National and Arizona Constitutions.** This course meets the requirement for teacher certification and either half may be taken for 1½ semester hours of credit. This course will not fulfill the requirement for majors or minors in the Department of Social Studies except for students in the teacher-training program who minor in Social Studies.

3 semester hours.

Government 313. **Comparative Government.** A comparative study of the organization and operation of selected governments in the world today, with special emphasis on the Soviet Union, England, France, and the United States. Prerequisite: 6 hours of History or Government. (Fall, 1963, and alternate years).

3 semester hours.

Government 323. **International Relations.** History of international politics, contemporary world power structure, international law and organization. Prerequisite: 6 hours of History or Government. (Spring, 1964, and alternate years)

3 semester hours.

Government 333. **Political Thought.** Evolution of European and American political doctrines, with emphasis upon the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th Century Enlightenment. Prerequisite: 6 hours of History or Government. (Fall, 1964)

3 semester hours.

Government 343. **Contemporary Political Thought.** A continuation of Government 333, dealing with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and the study of socialism, communism and facism in the modern world. Prerequisite: Government 333, or sufficient work in history or philosophy to provide an adequate background. (Spring, 1965)

3 semester hours.

### HISTORY

History 113. **Western Civilization, to the Renaissance.** A course designed to introduce the student to the origin and early development of Western civilization, with emphasis divided between cultural, political, and socioeconomic factors. (Each Fall)

3 semester hours.

History 123. **Western Civilization, Renaissance-1900.** A continuation of 113. The Renaissance and Reformation as transition to the modern period, and the resultant emergence of national states, set the pattern for Western institutions as they matured. (Each Spring)

3 semester hours.

History 233. **The World Since 1900.** A continuation of 113, 123. A more detailed study of the swiftly changing tide of events that characterize the revolutionary world of today. Special emphasis is placed on the evolving split between democracy and totalitarianism. (Each Semester beginning Fall, 1964)

3 semester hours.

History 213. **American History, the Colonial and Early National Period.** European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, launching the new government, nationalism and sectionalism, westward expansion, slavery, and the Civil War. (Fall)

3 semester hours.

History 223 **American History, the Recent Period.** A continuation of History 213 dealing with the problems in the wake of the Civil War, post-war expansion, the Industrial Revolution in America, transition to a world power, domestic and foreign issues of the twentieth century. (Spring)

3 semester hours.

History 313. **History of England to 1815.** A study of the origin and the development of the English people; their political, social, economic, and cultural institutions. Prerequisite: History 113 and 123. (Spring, 1964)

3 semester hours.

History 333. **The Renaissance and Reformation.** A study of European intellectual, economic, and religious developments marking the beginning of the modern era; humanism and the rediscovery of classical civilization; the rise of literature and art; Martin Luther and the revolt from Rome; Zwingli, Calvin, Knox, and others; Papacy and Empire; the Counter-Reformation. Prerequisite: History 113. (Fall, 1963, and alternate years)

3 semester hours.

History 343. **The French Revolution.** A study of the Old Regime, the influence of the *Philosophers*, the Estates General, the National Constituent Assembly, the attempts of France to establish a stable government during the 1790's, the Reign of Terror, Robespierre and other leaders; the rise of Napoleon Bonaparte, the foreign wars, the Empire and the reorganization of Europe; and the Congress of Vienna. Prerequisites: History 113 and 123. (Spring, 1964, and alternate years). 3 semester hours.

History 353. **United States Civilization I.** (Same as History 213 except offered on an upper division level).

History 363. **United States Civilization II.** (Same as History 223 except offered on an upper division level).

History 373. **History of Latin America.** A study of the conquest and development of Central and South America by the Spanish and Portuguese, including colonial systems, institutions, regional differentiation, and the wars of independence. Latin American republics from the era of independence to the present. Prerequisite: 6 hours of history. (Spring, 1964, and alternate years). 3 semester hours.

History 383. **Economic History of the United States.** (Same as Economics 333) The progress of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisite: Economics 213, History 213, 223. (Summer, 1963) 3 semester hours

History 403. **Research Methods in History.** Location and use of research materials; techniques of organization, analysis, and interpretation; and the writing of a scholarly paper. Prerequisite: 12 hours of history. (Each Fall). 3 semester hours.

History 412. **Readings in American History.** A study of some of the outstanding works in American historical literature, intended to acquaint students with the leading American historians and their contributions, and to stimulate interest in the finest traditions of historical scholarship. Prerequisite: History 213 and 233. (Fall, 1964, and alternate years). 2 semester hours.

History 413. **Russia and the Near East.** Story of the Russian peoples and their rulers from the earliest times to the present; the development of a Russian *volksgeist*, with its autocracy, sadness, violence, and national aspirations. Russian expansion during the Romanov period; the Near East in its relations with Russia; the Bolshevik Revolution and Soviet Russia. Prerequisite: History 113, 123. (Fall, 1963, and alternate years). 3 semester hours.

History 432. **Readings in European History.** A study of some of the outstanding works of contemporary writers in selected periods of European history, to acquaint students with significant thought and culture which are representative of the Western heritage. Prerequisite: History 113 and 123. (Spring, 1965, and alternate years). 2 semester hours

History 433. **Nineteenth Century Europe.** From the legacy of the French Revolution to World War I. The new technology, its impetus to the class struggle within nations, and to international tensions between nations as imperialism is extended; revolutionary labor movements; the impact of Western civilization on the underdeveloped nations. Prerequisites: History 113 and 123. (Fall, 1964, and alternate years). 3 semester hours.

History 443. **Twentieth Century Europe.** This course treats World War I and its aftermath in Europe; the peace treaties; interdependence of political and economic factors in the twenty years following, which contributed to the renewal of war; developments of World War II; the United Nations and contemporary efforts to establish peace. Prerequisites: History 113 and 123. (Spring, 1965, and alternate years). 3 semester hours.

History 452. **American Biography.** A study of the outstanding persons in American history, their times, their character and personalities, their achievements, their failures, and the impact they have had upon the America of their day and ours. Prerequisites: History 213 and 223. (Spring, 1965, and alternate years). 2 semester hours.

History 483. **The West in American History.** A study of the westward movement; the advancing frontier; and western political, economic, and social development from the colonial period to the twentieth century. Prerequisites: History 213 and 223. (Spring, 1965). 3 semester hours.

## SOCIOLOGY

Sociology 213. **Principles of Sociology.** A study of the person and his world, the social processes, including cooperation, conflict, accommodation, and assimilation; also means of social integration including the various institutions such as the family, the school, the church, business, and the state. (Fall). 3 semester hours.

Sociology 223. **Social Problems.** A general study is made of the problems created by dependents, defectives, and delinquents; intemperance; and problems created by the existence of war, family disorganization, crime, and poverty. Prerequisite: Sociology 213. (Spring) 3 semester hours.

Sociology 303. **Social Psychology.** A psychological study of the individual in the social situation. Emphasis is upon the development of attitudes, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques and other forces which affect individuals in groups. This course may be taken for credit for majors or minors in either sociology or psychology. Prerequisites: Psychology 213 or Sociology 213. (Fall, 1964, and alternate years). 3 semester hours.

Sociology 333. **Marriage and the Family.** This course attempts to make a sociological analysis of the family which will contribute to an understanding of its origin, structure and functions, and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the necessary adjustments of marriage and family life. Prerequisite: Sociology 213 or Junior standing. (Fall).

3 semester hours.

Sociology 343. **Juvenile Delinquency.** An intensive study of the extent and nature of juvenile delinquency; social and personal factors related to the development of delinquent habits; techniques for dealing with the delinquent and redirecting youth behavior in more constructive ways. Prerequisite: Sociology 213 or Junior standing. (Spring).

3 semester hours.

Sociology 353. **The American Community.** A comparative and inter-related study of rural-urban life considering the physical, institutional, social, cultural, and economic factors of modern living. Prerequisite: Junior standing. (Spring, 1964).

3 semester hours.

Sociology 403. **Research Methods in Sociology.** Location and use of research materials; techniques of organization, analysis, and interpretation; and the writing of a scholarly paper. Prerequisite: 12 hours of sociology. (Each Fall).

3 semester hours.

Sociology 423. **American Minority Problems.** A study of the various minority groups in the United States and their sociological significance in our national group and culture. The Negroes, Indians, Orientals, Mexicans, Jews, foreign-born, and war refugees are studied. Immigration—its history, the present situation, and our post-war policy. Prerequisite: Junior standing. (Spring, 1965, and alternate years).

3 semester hours.

Sociology 433. **Principles of Criminology.** A study of the nature and extent of criminal behavior; theories of punishment and correction; administration of penal and reformatory institutions; apprehending, convicting and sentencing of criminals; probation and parole. Prerequisite: Sociology 213. (Fall, 1963, and alternate years).

3 semester hours.

## VIII. Personnel

BOARD OF TRUSTEES

OFFICERS OF ADMINISTRATION

GENERAL ADMINISTRATIVE STAFF

FACULTY OF INSTRUCTION

## Board of Trustees

### Officers:

President.....Hollis W. Nix, 5020 E. Weldon, Phoenix  
 Vice President.....C. Vaughan Rock, 1202 N. 3rd St., Phoenix  
 Secretary .....T. B. Greer, 5144 N. 17th St., Phoenix

### Terms Expiring 1963

C. Vaughan Rock .....Pastor  
 Robert Crigler .....Merchant  
 Jack Hall .....Pastor  
 Bill Crouch .....Farmer  
 Hollis W. Nix .....Pastor  
 T. B. Greer .....Civil Engineer  
 James Lafitte .....Merchant  
 Ralph Ferguson .....Life Insurance

### Terms Expiring 1964

George Stevens .....Retired  
 Emmett Douglas .....Attorney  
 Jack Richardson .....Merchant  
 Cecil Wood .....Merchant  
 Percy Smith .....Farmer  
 Henry Wooten .....Pastor  
 Vernon Shipp .....Business Investments  
 Bob Jenkins .....Merchant

### Terms Expiring 1965

Bill Stone .....Pastor  
 Bob Anderson .....Farmer  
 Charles Ashcraft .....Pastor  
 Earl Bell .....Pastor  
 F. A. Carlton .....Retired  
 Henry Pearson .....Forester  
 Lee Faver .....Farmer  
 Calvin Ethington .....Farmer  
 Harold D. McGhee .....Insurance

## Administration

### Officers:

Eugene N. Patterson, A.B., Th.B., Th.M., Th.D. .... President (1959)  
 A.B., Howard College  
 Th.B., Tr.M., Th.D., New Orleans Baptist Theological Seminary  
 Additional Graduate Study: Union Theological Seminary; Oxford University;  
 Eastern Baptist Theological Seminary; Temple University; (All work completed for  
 S.T.D. except thesis.) Harvard University.

Glenn Eason, B.A., M.A., LL.D.  
 Administrative Vice-President and Dean (1952)

B.A., Baylor University  
 M.A., Sam Houston State College  
 LL.D., Grand Canyon College  
 Additional Graduate Study: The University of Houston

James R. Staples, B.A., B.D. .... Executive Vice President (1962)

B.A., Ouachita College  
 B.D., New Orleans Baptist Theological Seminary  
 Additional Graduate Study: Southwestern Baptist Theological Seminary

Harry D. Kent, B.B.A., M.B.E. .... Business Manager (1955)

B.B.A., Baylor University  
 M.B.E., North Texas State University  
 Additional Graduate Study: Southern Methodist University; Arizona State University

### General Administrative Staff:

Robert S. Sutherland, B.A., M.A. .... Assistant Dean (1956)

B.A., Union University  
 M.A., Murray State College  
 Additional Graduate Study: Northwestern University; University of Mississippi;  
 Arizona State University  
 Doctoral Candidate; Arizona State University

John Max Cox, B.S., M.R.E., M.Ed. .... Dean of Students (1960)

B.S., Howard Payne College  
 M.R.E., Southwestern Baptist Theological Seminary  
 M.Ed., The University of Houston  
 Additional Graduate Study: Arizona State University; The University of Houston

Marie McIntosh, B.A., M.R.E., M.A. .... Dean of Women (1950)

B.A., Carson-Newman College  
 M.R.E., Carver School of Missions and Social Work  
 M.A., George Peabody College for Teachers  
 Additional Graduate Study: Arizona State University

### General Administrative Staff (Cont'd.)

James L. McNett, B.A., B.D., Th.M., Th.D.  
 Director of Public Relations (1956)

B.A., Friends University  
 B.D., Th.M., Central Seminary  
 Th.D., Central Seminary  
 Additional Graduate Study: University of Kansas; Arizona State University

R. Vernon Ritter, B.A., B.D., M.S. in L.S., Th.D. .... Librarian (1962)

B.A., Wheaton College  
 B.D., Northern Baptist Theological Seminary  
 Th.D., Northern Baptist Theological Seminary  
 M.S. in L.S., University of Southern California

Mrs. Leola Brown ..... Assistant Registrar (1952)

Charles M. Cooke, M.D. .... College Physician (1952)  
 University of Utah

Mrs. Clara J. Gilmore, R.N. .... College Nurse (1961)  
 St. Joseph's Hospital, Alton, Illinois

Mrs. Myrtle Eason ..... Manager of the College Book Store (1953)

### Other Administrative Personnel:

Mrs. Ruth Harmon ..... Secretary to the President  
 Mrs. Norma Ledbetter ..... Secretary to the Vice-President and Dean  
<sup>1</sup>Mrs. Joan Gaines ..... Secretary, Department of Public Relations  
 Mrs. Mary Carroll ..... Assistant in the Registrar's Office  
 Mrs. Jewell M. Dale ..... Bookkeeper in the Business Office  
<sup>2</sup>Mrs. Mary Ann Hale ..... Bookkeeper in the Business Office  
 Mrs. Grace Dawson ..... Director of Women's Dormitories  
<sup>3</sup>Mr. and Mrs. R. D. Cook ..... Directors of Men's Dormitories  
 Mrs. Della May ..... Assistant in the Library  
 Mrs. Alma Muns ..... Assistant in the Library  
 Mrs. Clara Burghout ..... Manager of the College Cafeteria

### Student Center Personnel:

Mrs. Louise A. Robinson ..... Manager  
 Mrs. Louise Kitchings ..... Night Manager

### Maintenance:

Iven R. Cooper ..... Superintendent of Maintenance (1957)  
 Hollie Nichols  
 W. B. Pelham  
 W. C. Watts

<sup>1</sup>Resigned, May 1, 1963

<sup>2</sup>Resigned, June 1, 1963

<sup>3</sup>Resigned, June 1, 1963

## Faculty of Instruction

Lloyd D. Aycock, B.S. ....Instructor in Physical Education (1962)  
B.S., Grand Canyon College  
Graduate Study; Arizona State University

Chester S. Bagg, B.Mus., M.Mus., Mus.D. ....Associate Professor of Music;  
Chairman of the Department of Music (1955)

B.Mus., De Paul University  
M.Mus., Northwestern University  
Mus.D., Southwestern Conservatory of Fine Arts  
Additional Graduate Study: Christiansen Choral School; University of Colorado

Henry L. Bagley, B.S., M.A., Ed.D. ....Professor of Education (1962)  
B.S., Kansas State University  
M.A., Colorado State University  
Ed.D., University of Colorado

Betty L. Beck, B.A., M.A., Ph.D. ....Professor of English;  
Head of the Division of Humanities;  
Chairman of the Department of English and Speech (1949)

B.A., DePaw University  
M.A., University of Oklahoma  
Ph.D., University of Oklahoma

Roland L. Beck, B.A., M.A., Ph.D. ....Professor of Education and Psychology;  
Head of the Division of Education and Psychology;  
Chairman of the Department; Director of Teacher Training (1949)

B.A., Oklahoma Baptist University  
M.A., Ph.D., University of Oklahoma

David Burl Brazell, B.A., M.S. ....Associate Professor of Physical Education  
Chairman of the Department of Health and Physical Education;  
Director of Athletics (1951)

B.A., Arkansas State Teachers College  
M.A., University of Arkansas  
Additional Graduate Study: Arizona State University

Mildred Brazell, B.A., M.A. ....Assistant Professor of Physical Education (1952)

B.A., Arkansas State Teachers College  
M.A., Arizona State University  
Additional Graduate Study: University of Arkansas; Arizona State University

<sup>2</sup>Ralph Terry Bryan, B.S., M.A. ....Assistant Professor of English (1959)  
B.S., M.A., Arizona State University  
Additional Graduate Study: University of Colorado

Curtis R. Burgess, B.A., M.Ed.  
Assistant Professor of Business Administration (1956)

B.A., Bowling Green College of Commerce  
M.Ed., University of Pittsburgh

James E. Carroll, B.A., B.D. ....Part-time Instructor in Religion  
Director of Religious Activities (1960)

B.A., Howard Payne College  
B.D., Golden Gate Baptist Theological Seminary

<sup>2</sup> On leave of absence 1963-64

<sup>3</sup>Patrick O. Copley, B.A., M.A. ....Part-time Instructor in Social Studies (1960)  
B.A., Grand Canyon College  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University; University of Kentucky

<sup>4</sup>Charles E. Druding, B.A., M.A. ....Part-time Instructor in Education (1953)  
B.A., Arizona State University  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University

Clarence R. Dyer, B.S., M.E. ....Part-time Instructor in Art (1961)  
B.S., Kent State University  
M.E., Kent State University  
Additional Graduate Study: Arizona State University

<sup>5</sup>Jeanette Elivian, B.A., M.Ed. ....Part-time Instructor in Education (1962)  
B.A., Arizona State College  
M.Ed., Boston University

Maxine Wakefield Hagan, B.A., M.A., Ed.D. ....Professor of Education;  
Director of Teacher Placement (1961)

B.A., Arizona State University  
M.A., Arizona State University  
Ed.D., University of Arizona  
Additional Graduate Study: University of California

<sup>6</sup>Curtis T. Henson, Jr., B.S., M.A. ....Associate Professor of Social Studies;  
Chairman of the Department of Social Studies (1962)

B.S., Auburn University  
M.A., Auburn University  
Doctoral Candidate, Tulane University

Norma F. Jones, B.A., M.A. ....Assistant Professor of Foreign Languages  
(1962)  
B.A., Oklahoma Baptist University  
M.A., University of Oklahoma

Harry D. Kent, B.B.A., M.B.E.  
Associate Professor of Business Administration;  
Acting Head of the Division of Applied Arts and Sciences;  
Chairman of the Department of Business Administration (1955)

B.B.A., Baylor University  
M.B.E., North Texas State University  
Additional Graduate Study: Southern Methodist University; Arizona State University

Marie McIntosh, B.A., M.R.E., M.A.  
Associate Professor of Social Studies (1950)

B.A., Carson-Newman College  
M.B.E., North Texas State University  
M.A., George Peabody College for Teachers  
Additional Graduate Study: Arizona State University

James L. McNett, B.A., B.D., Th.M., Th.D. ....Professor of Religion (1956)

B.A., Friends University  
B.D., Th.M., Central Seminary  
Th.D., Central Seminary  
Additional Graduate Study: University of Kansas, Arizona State University

<sup>3</sup> Fall, 1962

<sup>4</sup> 1962-63

<sup>5</sup> Fall, 1962

<sup>6</sup> Resigned, June 1, 1963

- Clarice Maben, B.A., M.A. ....Assistant Professor of Social Studies (1949)  
B.A., Grand Canyon College  
M.A., Baylor University
- Henry M. Mann, B.S., M.A. ....Assistant Professor of Biology (1951)  
B.S., Arkansas State College  
M.A., George Peabody College for Teachers  
Additional Graduate Study: Arizona State University, University of Arizona
- <sup>7</sup>John Mendle, B.A. ....Part-time Instructor in German (1962)  
B.A., Grand Canyon College
- <sup>8</sup>Dale W. Patton, B.Ed., B.Mus. Ed., M.Ed., Ed.D.  
Associate Professor of Education; Director of Teacher Training (1960)  
B.Ed., Teachers College, St. Cloud, Minnesota  
B.Mus.Ed., Northwestern University  
M.Ed., Syracuse University  
Ed.D., Arizona State University
- <sup>9</sup>Jerry Dwite Prock, B.B.A., M.Ed. ....Assistant Professor of Business Administration (1961)  
B.B.A., East Texas State College  
M.Ed., East Texas State College
- Gordon Psalmonds, B.A., M.R.E., D.R.E. ....Professor of Religion (1954)  
B.A., William Jewell College  
M.R.E., D.R.E., Southwestern Baptist Theological Seminary  
Additional Graduate Study: Southwestern Baptist Theological Seminary
- Marjorie Psalmonds, B.A., B.S.M., M.R.E., M.A.  
Assistant Professor of Music (1955)  
B.A., William Jewell College  
B.S.M., M.R.E., Southwestern Baptist Theological Seminary  
M.A., Arizona State University  
Additional Graduate Study: Columbia University; Washington University; and Union Theological Seminary
- J. Niles Puckett, B.A., LL.B., Th.M., Th.D. ....Professor of Religion;  
Head of the Division of Religion and Social Studies;  
Chairman of the Department of Religion (1949)  
B.A., Mississippi College  
LL.B., Cumberland University  
Th.M., Th.D., Southern Baptist Theological Seminary
- Roger L. Schmidt, B.A., M.A. ....Assistant Professor of English (1962)  
B.A., Grand Canyon College  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University
- Betty Scott, B.F.A. ....Part-time Instructor in English  
B.F.A., University of Arizona  
Graduate Study: University of Vienna, and Akademie fur Musik und Darstellende Kunst, Vienna (Academy of Music and Dramatic Art)

<sup>7</sup> 1962-63<sup>8</sup> Resigned, June 1, 1963<sup>9</sup> Resigned, June 1, 1963

- Robert S. Sutherland, B.A., M.A. ....Associate Professor of English (1956)  
B.A., Union University  
M.A., Murray State College  
Additional Graduate Study: Northwestern University; University of Mississippi; Arizona State University  
Doctoral Candidate, Arizona State University
- Shih-Ming Wang, B.A., M.A. ....Associate Professor of Science;  
Acting Head of the Division of Science and Mathematics;  
Chairman of the Department of Science and Mathematics (1953)  
B.A., University of Shanghai  
M.A., George Peabody College for Teachers  
Additional Graduate Study: University of Arizona; Arizona State University; University of California at Los Angeles; University of Wyoming; A and M College of Texas; New York University
- Grace Weller, B.A., M.Mus. ....Associate Professor of Music (1950)  
B.A., Georgetown College  
M.Mus., Cincinnati Conservatory of Music  
Additional Graduate Study: University of Kentucky; University of California at Los Angeles; University of Vienna; and Akademie fur Musik und Darstellende Kunst, Vienna (Academy of Music and Dramatic Art)
- Paul A. Youngs, B.A., B.D., Th.M., M.N.S.  
Assistant Professor of Mathematics and Physics (1956)  
B.A., University of Corpus Christi  
B.D., Th.M., Southern Baptist Theological Seminary  
M. Nat. Sci., Arizona State University  
Additional Graduate Study: A and M College of Texas; University of California at Davis

## Additional Part-time Instructors

### Spring, 1963

- Marjorie Campion, B.S., B.A. ....Part-time Instructor in Education  
B.S., Wayne State University  
B.A., Wheaton College
- Darrell A. Sawyer, B.S. ....Part-time Instructor in Science  
B.S., Arizona State University
- Phillip Smelser, B.A., M.A. ....Part-time Instructor in Government  
B.A., University of California at Berkeley  
M.A., Arizona State University
- Bryan L. Wright, B.S., M.S. ....Part-time Instructor in Accounting  
B.S. and M.S., Oklahoma State University

## **IX. Student Statistics**

GRADUATES, 1962

ENROLLMENT STATISTICS, 1962-63

STUDENT ROSTER, 1962-63



## Graduates

### Class of 1962

#### BACHELOR OF ARTS

John Buell  
 Van Frederick Corkran  
 Joseph A. Corne  
 John Robert Dixon  
 William Harold DuVal  
 Thomas L. Embry  
 Bettie Tabb Forster  
 Gail Jacqueline Goodson  
 James Lenard Goodson  
 L. Dean Kirk  
 Leon Limperis  
 John Joseph Mendle, Jr.  
 Robert Thomas Perkins  
 William Sherman Phillips, Jr.  
 Harold E. Robinson  
 Richard Lowell Sanders  
 Larry R. Schwartz  
 R. Bruce Walters  
 George Mason Williams  
 Alvin Wesley Wood

#### BACHELOR OF SCIENCE

Winnifred Fern Allum  
 Alice Anaya  
 Aleta Cooper Aycock  
 Lloyd Dale Aycock  
 Linda Ann Barker  
 William Milford Dan Belcher  
 Donna Lee Bland  
 Bette Bowling  
 Elizabeth Bradley  
 Sara Mae Crouse  
 Noel Edgar Frank  
 Margaret Lucile Garrison  
 Margaret Jeannette George  
 Dixie Ann Gibson  
 Everett Hankins  
 Verlyne Carol Henry  
 Billy John Hudspeth  
 Erma Nancy Faye Hugh  
 Merlyn Miller Key  
 Joann Lee Jacobus Ledbetter  
 Alice Gentry Lee  
 John Benjamin Lindsey  
 Pete S. Lopez  
 Shirley Ann McCarty  
 Harry Martin  
 Everett Dewayne Miller  
 Ralph August Misenheimer  
 Gloria Jean Norris  
 Judy Jeree Ormand  
 Margaret Marlowe Pierce  
 Barbara Ruth Pollard  
 Wayne L. Pruett  
 Alva Walter Ruble  
 Ethel Nadine Schmelzla  
 Joyce Ethel Seiple  
 Gola Faye Sypherd  
 Paul Ervin Taylor  
 John C. Tipton  
 Mahlon C. Weaver

## Summer School Graduates

#### BACHELOR OF ARTS

Fred M. Arnolt  
 Gerald Price Coleman  
 Dennis Owen Daniel  
 Floyd Eugene Lacey  
 Calvin H. Rains  
 Wilma Alberta Scott  
 John D. Ueltzen

#### BACHELOR OF SCIENCE

Leona Faye Baker  
 Patricia L. Fisher  
 Jimmie Elvis Heard  
 Margaret Oliphant Knapthaus  
 Foster D. Lamb  
 Patty L. Lepinski  
 Eulah D. Martin  
 Celia Cochran Newhall  
 Evelyn Bond Pinkley  
 Myrna Jeanne Richey  
 Frances June Richmond  
 Diana Bennett Riley  
 Robert Glenn Rummage  
 Maynard E. Tidmore  
 Nancy Hu Wang  
 Harry Robert Warren  
 Jack Carl Wick  
 Billy Richard Williams, Jr.

## ENROLLMENT STATISTICS — June 1, 1962 - May 31, 1963

Classification	Men	Women	Total
Freshmen .....	109	87	196
Sophomores .....	57	47	104
Juniors .....	55	48	103
Seniors .....	51	46	97
Auditors .....	20	22	42
Special .....	145	229	374
	437	479	916
Extension* .....	9	5	14
Grand Totals .....	446	484	930

\*The Extension Department, as a Department, discontinued.

## DENOMINATIONS REPRESENTED BY STUDENTS ENROLLED

Assembly of God	Independent
Baptist:	Jewish
Southern Baptists	Latter Day Saints
Other Baptists	Lutheran
Brethren	Mennonite
Catholic	Methodist
Christian	Missionary Alliance
Christian Science	Nazarene
Church of Christ	No Preference
Church of God	Presbyterian
Congregational	Pentecostal
Episcopal	Reformed
Free Methodist	Reorganized Latter Day Saints
Friends	Seventh Day Adventist
Greek Orthodox	Unitarian

## STATES REPRESENTED BY STUDENTS ENROLLED

Alaska	Massachusetts	Ohio
Arkansas	Michigan	Oklahoma
Arizona	Minnesota	Oregon
California	Mississippi	Pennsylvania
Colorado	Missouri	Tennessee
Connecticut	Montana	Texas
Georgia	Nebraska	Utah
Idaho	New Jersey	Vermont
Illinois	Nevada	Virginia
Indiana	New Mexico	Washington
Kansas	New York	
Louisiana	North Carolina	

## FOREIGN COUNTRIES REPRESENTED BY STUDENTS ENROLLED

Nicaragua

## Grand Canyon College

## Student Roster

## June 1, 1962 — May 31, 1963

Abbott, Scotty L. ....	Eloy, Arizona	Billings, George G. ....	Youngtown, Arizona
Achtzehn, Paul H. ....	Pittsburgh, Pennsylvania	Bishop, Gayle S. ....	Phoenix, Arizona
Adams, Beatrice B. ....	Phoenix, Arizona	Bishop, Meredith ....	Phoenix, Arizona
Adams, Carlyle A. ....	Phoenix, Arizona	Black, Ronald R. ....	Phoenix, Arizona
Adams, Mary T. ....	Gilbert, Arizona	Blake, Bella F. ....	Phoenix, Arizona
Adams, R. LeRoy ....	Phoenix, Arizona	Blake, Louise ....	Phoenix, Arizona
Addy, Patricia C. ....	Tucson, Arizona	Blaisdell, Ethel M. ....	Zion, Illinois
Adkins, Wava ....	Phoenix, Arizona	Bland, Stephen K. ....	St. Louis, Missouri
Ahmann, John A. ....	Phoenix, Arizona	Bode, Faith N. ....	Phoenix, Arizona
Akins, David L. ....	Phoenix, Arizona	Bogan, Margaret N. ....	Phoenix, Arizona
Akins, Mona J. ....	Phoenix, Arizona	Bohrer, Marcia L. ....	Phoenix, Arizona
Aldridge, Thomas B. ....	Phoenix, Arizona	Bohrer, Sherrie R. ....	Phoenix, Arizona
Allaire, Peggy L. ....	Tucson, Arizona	Bonham, David A. ....	Phoenix, Arizona
Allan, Martha P. ....	Phoenix, Arizona	Booker, George L. ....	Phoenix, Arizona
Allen, Richard A. ....	Jonesboro, Arkansas	Bostrom, Roberta E. ....	Phoenix, Arizona
Allison, Ronald G. ....	Phoenix, Arizona	Bothwell, Don E. ....	Sumner, Kansas
Ambrose, William P. ....	Chandler, Arizona	Bowen, Arlie L. ....	Phoenix, Arizona
Amos, Zella H. ....	Phoenix, Arizona	Bowling, Bette ....	Phoenix, Arizona
Amspoker, Harold M. ....	Peoria, Arizona	Boyd, Judi A. ....	Phoenix, Arizona
Anaya, Jose A. ....	Phoenix, Arizona	Boyd, Sally P. ....	Phoenix, Arizona
Anderson, Dana A. ....	Phoenix, Arizona	Boydston, Johnny R. ....	Coolidge, Arizona
Anderson, Maureen E. ....	Tempe, Arizona	Boydston, Roberta L. ....	Phoenix, Arizona
Anderson, Pearl B. ....	Glendale, Arizona	Boyer, John W. ....	Buckeye, Arizona
Anfinson, David P. ....	Glendale, Arizona	Boyes, Sharon K. ....	Phoenix, Arizona
Apodaca, Allen T. ....	Phoenix, Arizona	Bradford, Morris L. ....	Yuma, Arizona
Armstrong, Myrtle W. ....	Phoenix, Arizona	Brannan, Betty C. ....	Prescott, Arizona
Arnolt, Fred M. ....	Phoenix, Arizona	Broughton, W. Lyle ....	San Pedro, California
Ashcraft, Frank H. ....	Phoenix, Arizona	Breedlove, Wanda G. ....	Phoenix, Arizona
Ashcraft, Judith J. ....	Glendale, Arizona	Brennan, Elizabeth K. ....	Phoenix, Arizona
Atha, Sharon S. ....	Glendale, Arizona	Brewer, Gerry W. ....	Snowflake, Arizona
Aubrey, Crystal W. ....	Phoenix, Arizona	Brewster, Adelaide T. ....	Glendale, Arizona
August, Jack L. ....	Phoenix, Arizona	Brizendine, Karen L. ....	Bremerton, Washington
Aull, Gary B. ....	Springfield, Illinois	Broadston, Mary C. ....	Phoenix, Arizona
Austerman, Sharon R. ....	Glendale, Arizona	Bronkema, Lester G. ....	Phoenix, Arizona
Aycock, Aleta C. ....	Phoenix, Arizona	Brooks, Viola B. ....	Phoenix, Arizona
Babcock, Vivian J. ....	Phoenix, Arizona	Brosseau, Sharon A. ....	Phoenix, Arizona
Bailey, Alma W. ....	Phoenix, Arizona	Brown, George D. ....	Glendale, Arizona
Bailey, Anne C. ....	Phoenix, Arizona	Brown, Joyce E. ....	Phoenix, Arizona
Bailey, Margaret L. ....	Phoenix, Arizona	Brown, Judith C. ....	Phoenix, Arizona
Bailey, Mary M. ....	Phoenix, Arizona	Brown, Leola M. ....	Phoenix, Arizona
Baker, Albert J. ....	Fresno, California	Brown, Mary L. ....	Phoenix, Arizona
Baker, Leona F. ....	Hayden, Arizona	Brown, Phillip ....	Sweetwater, Texas
Baker, Virginia E. ....	Gila Bend, Arizona	Bruhadt, Henry R. ....	Phoenix, Arizona
Baldwin, Beverly N. ....	Phoenix, Arizona	Brundage, Grace G. ....	Phoenix, Arizona
Ball, Betty ....	Phoenix, Arizona	Buchik, Mary E. ....	Phoenix, Arizona
Ball, Eldridge A. ....	Phoenix, Arizona	Buck, Shirley O. ....	Phoenix, Arizona
Bandley, Karen L. ....	Richfield, Utah	Buechler, Jean L. ....	Phoenix, Arizona
Bane, Kelly R. ....	Zanesville, Ohio	Burks, Thomas W. ....	Yuma, Arizona
Baquet, Melva E. ....	Tucson, Arizona	Burian, Joanne G. ....	Phoenix, Arizona
Barber, John W. ....	Clifton, Arizona	Burr, Stella B. ....	Phoenix, Arizona
Barclay, Sharon K. ....	Phoenix, Arizona	Busch, Eleanor F. ....	Phoenix, Arizona
Barker, Pamela R. ....	Boise, Idaho	Bush, Stephen J. ....	Whitehouse, New Jersey
Barnes, David B. ....	Phoenix, Arizona	Butler, Beverly S. ....	Monticello, Utah
Barnes, Jim P. ....	Phoenix, Arizona	Byrd, Judith A. ....	Kearny, Arizona
Barnes, M. Lyndon ....	Eloy, Arizona	Caldwell, Henry W. ....	Phoenix, Arizona
Barie, Sally A. ....	Phoenix, Arizona	Caldwell, James B. ....	Salome, Arizona
Barker, Shirley C. ....	Goodyear, Arizona	Callin, Nancy G. ....	Glendale, Arizona
Barry, Barbara J. ....	Phoenix, Arizona	Callin, Vicki L. ....	Glendale, Arizona
Barry, Edward A. ....	Phoenix, Arizona	Campbell, Donald L. ....	Phoenix, Arizona
Bartell, John F. ....	Phoenix, Arizona	Campbell, Harold M. ....	Phoenix, Arizona
Bastian, Verena A. ....	Phoenix, Arizona	Campbell, Phyllis C. ....	Phoenix, Arizona
Bate, Ethel B. ....	Phoenix, Arizona	Canine, Martha J. ....	Scottsdale, Arizona
Bate, William G. ....	Mayer, Arizona	Cantrell, Teddy D. ....	Phoenix, Arizona
Beard, Orland H. ....	Phoenix, Arizona	Carlisle, Zenith E. ....	Show Low, Arizona
Beatie, Richard L. ....	Los Angeles, California	Carlton, Doris A. ....	Glendale, Arizona
Beckendorf, Sharon L. ....	Sedona, Arizona	Carpenter, Peggy A. ....	Phoenix, Arizona
Bell, Cooper C. ....	Phoenix, Arizona	Carroll Mary H. ....	Phoenix, Arizona
Bennett, Barbara S. ....	Phoenix, Arizona	Casement, Phyllis A. ....	Glendale, Arizona
Beswick, George L. ....	Phoenix, Arizona	Casto, Wayne S. ....	Phoenix, Arizona
Betsinger, Elda R. ....	Phoenix, Arizona	Castro, Shirley, A. ....	Phoenix, Arizona
Betz, Marilyn B. ....	Phoenix, Arizona	Cates, Thelma B. ....	Phoenix, Arizona
Biddinger, Joyce ....	Indianapolis, Indiana	Celniker, Sheila ....	Phoenix, Arizona

Chaddock, Donald W. ....Phoenix, Arizona  
 Chambers, Judith K. ....Avondale, Arizona  
 Chambers, Sheldon R. ....Phoenix, Arizona  
 Chaney, Jeannette L. ....Phoenix, Arizona  
 Chavez, Mayme M. ....McNary, Arizona  
 Choate, Lou Ann ....Phoenix, Arizona  
 Chumbley, Doris H. ....Phoenix, Arizona  
 Ciarrico, Marcia B. ....Phoenix, Arizona  
 Ciochetti, Patricia L. ....Phoenix, Arizona  
 Cirasole, Frankie S. ....Phoenix, Arizona  
 Cirone, Virginia L. ....Phoenix, Arizona  
 Clark, Glen D. ....Glendale, Arizona  
 Clarke, Gertrude B. ....Tooele, Utah  
 Clawson, Eleanor I. ....Phoenix, Arizona  
 Clayton, Bennie H. ....29 Palms, California  
 Clayton, Ruth E. ....Phoenix, Arizona  
 Cobb, Alfred J. ....Salem, Oregon  
 Cobb, Paul E. ....Phoenix, Arizona  
 Cobb, Thomas P. ....Phoenix, Arizona  
 Cochran, Margo B. ....Phoenix, Arizona  
 Coleman, Gerald P. ....Lynchburg, Virginia  
 Collins, Twyla C. ....Phoenix, Arizona  
 Collins, William D. ....Phoenix, Arizona  
 Cones, Ronald C. ....Glendale, Arizona  
 Conner, Abi A. ....Savannah, Georgia  
 Conner, Gerald A. ....Phoenix, Arizona  
 Conner, Jerry J. ....Casa Grande, Arizona  
 Cook, Eugene E. ....Phoenix, Arizona  
 Cook, Jim F. ....Phoenix, Arizona  
 Cooke, Charles M. ....Phoenix, Arizona  
 Cooksley, Mildred A. ....Miami, Arizona  
 Cordova, Joseph A. ....Tolleson, Arizona  
 Corbin, Everett T. ....Phoenix, Arizona  
 Corbin, Mabel I. ....Phoenix, Arizona  
 Corkran, Claudette E. ....Phoenix, Arizona  
 Crittenden, Norma J. ....Monticello, Utah  
 Crose, Bobbie J. ....Tucson, Arizona  
 Crough, William K. ....Phoenix, Arizona  
 Crowder, James T. ....Phoenix, Arizona  
 Crowe, Jerry D. ....Farmington, New Mexico  
 Dale, Alonzo R. ....Glendale, Arizona  
 Daniel, Dennis O. ....Phoenix, Arizona  
 Daniels, Ethelyn B. ....Glendale, Arizona  
 Dankworth, Linda G. ....Phoenix, Arizona  
 Darr, Rose C. ....Phoenix, Arizona  
 Davenport, Howard B. ....Phoenix, Arizona  
 Davenport, Theresa C. ....Tucson, Arizona  
 Davis, Kathryn M. ....Phoenix, Arizona  
 Davis, Martha J. ....Tucson, Arizona  
 Davis, Patricia A. ....Tolleson, Arizona  
 Davis, Rex .....Longview, Washington  
 Davis, Theda J. ....Phoenix, Arizona  
 Day, Dan W. ....Phoenix, Arizona  
 Deaton, Shirley A. ....Phoenix, Arizona  
 DeField, Joe W. ....Benton City, Washington  
 DeVilbiss, Glenn A. ....Farmington, New Mexico  
 Devine, Donald .....Phoenix, Arizona  
 Diaz, Adolph G. ....Phoenix, Arizona  
 Dibert, William H. ....Phoenix, Arizona  
 Dirksen, Loma L. ....Flagstaff, Arizona  
 DiStefano, Joseph P. ....Phoenix, Arizona  
 Dixon, Esther R. ....Willcox, Arizona  
 Dixon, Marie S. ....Phoenix, Arizona  
 Dodson, Esther L. ....Owosso, Michigan  
 Donahoo, Randall W. ....Fitchburg, Massachusetts  
 Donaldson, Marjory S. ....Phoenix, Arizona  
 Donnelly, Judith A. ....Phoenix, Arizona  
 Donovan, Karyl P. ....Phoenix, Arizona  
 Dooley, Mary S. ....Phoenix, Arizona  
 Douglas, Shirley A. ....Phoenix, Arizona  
 Downey, Karen K. ....Tucson, Arizona  
 Drubnick, John E. ....Phoenix, Arizona  
 Druding, Anna L. ....Glendale, Arizona  
 Duncan, Evelyn E. ....Phoenix, Arizona  
 Durham, David L. ....Phoenix, Arizona  
 Dutton, Jack H. ....Phoenix, Arizona  
 Dykstra, Robert W. ....Phoenix, Arizona  
 Earley, Doris F. ....Phoenix, Arizona  
 Earley, Wayne O. ....Phoenix, Arizona  
 Eason, Sara L. ....Phoenix, Arizona  
 Eaton, Danfred W. ....Phoenix, Arizona  
 Eddy, Barbara A. ....Phoenix, Arizona  
 Edwards, Marcia M. ....Phoenix, Arizona  
 Elgas, Marilyn B. ....Phoenix, Arizona

Elliff, Mary L. ....Prescott, Arizona  
 Ellington, Marjean K. ....Tooele, Utah  
 Ellsworth, Melvin J. ....Phoenix, Arizona  
 Elmore, Faye A. ....Phoenix, Arizona  
 England, Kay L. ....Cave Creek, Arizona  
 Eshelman, Edna L. ....Phoenix, Arizona  
 Estes, Gary D. ....Buckeye, Arizona  
 Evans, Sherrene K. ....Phoenix, Arizona  
 Fall, Mary F. ....Phoenix, Arizona  
 Farley, Marshall E. ....Glendale, Arizona  
 Farlow, Bette M. ....Phoenix, Arizona  
 Farrell, Janice M. ....Tucson, Arizona  
 Faver, Lee F. ....Buckeye, Arizona  
 Fawcett, Ann R. ....Phoenix, Arizona  
 Ferguson, Grace E. ....Phoenix, Arizona  
 Fernandez, Alberto F. ....Croyden, Pennsylvania  
 Fetter, Robert D. ....Payette, Idaho  
 Fields, Irene F. ....Phoenix, Arizona  
 Fields, Nalma J. ....Glendale, Arizona  
 Fine, Marian M. ....Phoenix, Arizona  
 Finley, Robert E. ....Phoenix, Arizona  
 Fisher, Patricia L. ....Phoenix, Arizona  
 Fisher, William A. ....Phoenix, Arizona  
 Flanders, Richard R. ....Phoenix, Arizona  
 Flatt, Hermine L. ....Phoenix, Arizona  
 Flipper, Charlotte C. ....Phoenix, Arizona  
 Floyd, Jarrall W. ....Phoenix, Arizona  
 Forbes, Lorraine .....Phoenix, Arizona  
 Fossum, James P. ....Phoenix, Arizona  
 Foster, Marjorie J. ....Goodyear, Arizona  
 Fox, L. Loreen .....Phoenix, Arizona  
 Fox, Luther D. ....Phoenix, Arizona  
 Frazee, LaReta A. ....Phoenix, Arizona  
 Freeman, Marguerite S. ....Phoenix, Arizona  
 French, Imogene .....Phoenix, Arizona  
 Frost, Billy J. ....Phoenix, Arizona  
 Frugia, Melvin A. ....Phoenix, Arizona  
 Fry, Warren D. ....Phoenix, Arizona  
 Fulton, Doris I. ....Avondale, Arizona  
 Gage, Freddie M. ....Phoenix, Arizona  
 Gage, Mary L. ....Phoenix, Arizona  
 Gallagher, Sharon L. ....Willcox, Arizona  
 Gallegos, Alicia C. ....Cottonwood, Arizona  
 Gee, Gilbert S. ....Springerville, Arizona  
 George, Robert G. ....Phoenix, Arizona  
 Gibbs, Elsie H. ....Phoenix, Arizona  
 Gilliam, Gary E. ....Phoenix, Arizona  
 Gilmore, Clara J. ....Phoenix, Arizona  
 Godfrey, James E. ....Buckeye, Arizona  
 Godsoe, Carl T. ....Las Cruces, New Mexico  
 Godsoe, Dorothy D. ....Las Cruces, New Mexico  
 Godsoe, Katherine P. ....Phoenix, Arizona  
 Godward, William E. ....Scottsdale, Arizona  
 Goldie, Carroll J. ....Laveen, Arizona  
 Goletz, Albert F. ....Phoenix, Arizona  
 Gonzales, Orlando E. ....Clifton, Arizona  
 Gooden, Mary F. ....Glendale, Arizona  
 Goodner, Larry B. ....Morenci, Arizona  
 Gorsline, Flossie .....Phoenix, Arizona  
 Grantham, Evelyn L. ....Glendale, Arizona  
 Gray, Eva M. ....Phoenix, Arizona  
 Green, Charles A. ....Phoenix, Arizona  
 Green, Charles S. ....Denver, Colorado  
 Green, Eugene E. ....Buckeye, Arizona  
 Green, Glen R. ....Tolleson, Arizona  
 Green, James A. ....Tolleson, Arizona  
 Green, Karen S. ....Tolleson, Arizona  
 Green, Penny L. ....Glendale, Arizona  
 Green, Carol L. ....Augusta, Georgia  
 Greer, J. Kay .....Phoenix, Arizona  
 Grimes, Rhoda R. ....Phoenix, Arizona  
 Grimes, William E. ....Phoenix, Arizona  
 Griner, Mary F. ....Glendale, Arizona  
 Grisham, Billy R. ....Phoenix, Arizona  
 Grisham, Janis C. ....Phoenix, Arizona  
 Gruver, Harold T. ....Phoenix, Arizona  
 Gullick, Inella M. ....Tuba City, Arizona  
 Hadra, Barbara M. ....Phoenix, Arizona  
 Hage, Betty S. ....Phoenix, Arizona  
 Hahn, Anne L. ....Tacoma, Washington  
 Hahn, Mary L. ....Wasco, California  
 Hale, Benton P. ....Phoenix, Arizona  
 Hale, Dianne .....Tolleson, Arizona  
 Hale, Norma J. ....Tolleson, Arizona

Hall, David C. ....Phoenix, Arizona  
 Hall, Delores J. ....Phoenix, Arizona  
 Hall, Ralph E. ....Phoenix, Arizona  
 Hall, Russell K. ....Phoenix, Arizona  
 Hamack, Thomas W. ....Tucson, Arizona  
 Hambley, Harold W. ....Phoenix, Arizona  
 Hamby, Wilma S. ....Goodyear, Arizona  
 Hamlet, Leo H. ....Scottsdale, Arizona  
 Hampton, Ken L. ....Phoenix, Arizona  
 Hanley, Terrence F. ....Phoenix, Arizona  
 Harden, D. Oren .....Phoenix, Arizona  
 Harmon, Eldon L. ....Scottsdale, Arizona  
 Hartman, Florence J. ....Glendale, Arizona  
 Hartman, Mary V. ....Glendale, Arizona  
 Hartman, Robert G. ....Glendale, Arizona  
 Harvey, Richard J. ....Phoenix, Arizona  
 Hawkins, Linda M. ....Tempe, Arizona  
 Hawkins, Margaret J. ....Carmi, Illinois  
 Hay, Delbert C. ....Glendale, Arizona  
 Hazelton, Katherine E. ....Phoenix, Arizona  
 Heard, Jimmie E. ....Phoenix, Arizona  
 Hedger, Charlene R. ....Phoenix, Arizona  
 Hein, Alex M. ....Phoenix, Arizona  
 Helmhout, Patricia C. ....Gilbert, Arizona  
 Hendricks, Melba C. ....Phoenix, Arizona  
 Hennon, John V. ....Phoenix, Arizona  
 Henry, John D. ....Tucson, Arizona  
 Heringer, Margery R. ....Scottsdale, Arizona  
 Heritage, David L. ....Buckeye, Arizona  
 Herring, David E. ....Fort Worth, Texas  
 Higginbotham, Basil .....Phoenix, Arizona  
 Hightower, Wilson M. ....Prescott, Arizona  
 Hilderbrand, Yvonne .....Phoenix, Arizona  
 Hill, Earlene .....Nogales, Arizona  
 Hill, Larry F. ....Flagstaff, Arizona  
 Hinman, Belva L. ....Phoenix, Arizona  
 Hinton, Clyde J. ....Phoenix, Arizona  
 Hinton, Jane H. ....Phoenix, Arizona  
 Hobbs, James T. ....Richlands, North Carolina  
 Hodges, Barbara A. ....Willcox, Arizona  
 Hodges, Lillian F. ....Phoenix, Arizona  
 Hoehne, Marilou H. ....Phoenix, Arizona  
 Hoehne, Owen G. ....Phoenix, Arizona  
 Hoenschell, Louise G. ....Phoenix, Arizona  
 Holcomb, Goldie C. ....Phoenix, Arizona  
 Holland, H. Anne .....Phoenix, Arizona  
 Holman, Raymond E. ....Portal, Arizona  
 Holstrom, Phyllis J. ....Minneapolis, Minnesota  
 Hondrum, Harriet H. ....Phoenix, Arizona  
 Hook, Dorothy A. ....Winslow, Arizona  
 Hopper, Donald D. ....Casa Grande, Arizona  
 How, Byron J. ....Phoenix, Arizona  
 Howard, Edwin H. ....Phoenix, Arizona  
 Howe, Helena B. ....Phoenix, Arizona  
 Howell, Lindanne .....Phoenix, Arizona  
 Howell, Richard W. ....Downers Grove, Illinois  
 Hull, Barbara K. ....Phoenix, Arizona  
 Hull, Daniel L. ....Glendale, Arizona  
 Hull, Eleanor J. ....Glendale, Arizona  
 Hull, George A. ....Sunnyslope, Arizona  
 Hull, Keith D. ....Phoenix, Arizona  
 Hunt, Carol D. ....Phoenix, Arizona  
 Hunt, James E. ....Phoenix, Arizona  
 Hunt, Sandra L. ....Rocky Comfort, Missouri  
 Hutton, Albert N. ....Glendale, Arizona  
 Hyde, Novelene B. ....Glendale, Arizona  
 Hyduke, Xenia .....Phoenix, Arizona  
 English, Garland R. ....Phoenix, Arizona  
 Jackson, Jerry .....Casa Grande, Arizona  
 Jackson, Raymond C. ....Phoenix, Arizona  
 Jaffe, Grace L. ....Phoenix, Arizona  
 Jenkinson, Harold D. ....Esther, Missouri  
 Jenkinson, Rhonda .....Tucson, Arizona  
 Johanson, Marie E. ....Phoenix, Arizona  
 Johanson, Ross H. ....Phoenix, Arizona  
 Johnson, Albert S. ....Phoenix, Arizona  
 Johnson, Frances A. ....Phoenix, Arizona  
 Johnson, Gary L. ....Phoenix, Arizona  
 Johnson, Hazel F. ....Phoenix, Arizona  
 Johnson, Roger B. ....Mesa, Arizona  
 Jones, Gordon G. ....Phoenix, Arizona  
 Jones, Hazel .....Phoenix, Arizona  
 Jones, Janice C. ....Phoenix, Arizona  
 Jones, Thomas G. ....Glendale, Arizona

Jordan, Robert C. ....Phoenix, Arizona  
 Judd, Marlene .....Gilbert, Arizona  
 Judson, Kathryn .....Phoenix, Arizona  
 Julian, Nettie F. ....Phoenix, Arizona  
 Justice, Ruth .....Glendale, Arizona  
 Kalin, Helen C. ....Phoenix, Arizona  
 Kappler, Andrea E. ....Phoenix, Arizona  
 Katterhenry, Betty A. ....Phoenix, Arizona  
 Karkuff, Mary L. ....Phoenix, Arizona  
 Kearley, Gary M. ....Phoenix, Arizona  
 Keebler, Edna J. ....Phoenix, Arizona  
 Keegan, Lucile R. ....Phoenix, Arizona  
 Keel, Juanita S. ....Phoenix, Arizona  
 Keist, John E. ....Continental Divide, New Mexico  
 Kelley, Clarence E. ....Phoenix, Arizona  
 Kellison, Judy L. ....Casa Grande, Arizona  
 Kent, Harry D. ....Phoenix, Arizona  
 Kerley, James K. ....Phoenix, Arizona  
 Key, Merlyn L. ....Glendale, Arizona  
 King, Dick H. ....Phoenix, Arizona  
 King, Lillian J. ....Phoenix, Arizona  
 King, Patricia A. ....Salt Lake City, Utah  
 Kirby, Grace H. ....Phoenix, Arizona  
 Kirk, L. Dean .....Phoenix, Arizona  
 Kirkland, Wilbur D. ....Casa Grande, Arizona  
 Kirsch, Kathleen A. ....Phoenix, Arizona  
 Knaggs, Eleanor L. ....Phoenix, Arizona  
 Knaphus, Margret .....Phoenix, Arizona  
 Knight, Stephen G. ....Phoenix, Arizona  
 Knowles, Mary Martha .....Port Washington, N. Y.  
 Koontz, John R. ....Peoria, Illinois  
 Kope, Pat M. ....Phoenix, Arizona  
 Korb, Edward R. ....Phoenix, Arizona  
 Kortan, Melvin J. ....Phoenix, Arizona  
 Kountz, Margaret M. ....Phoenix, Arizona  
 Kramer, Isidore .....Phoenix, Arizona  
 Kress, Robert J. ....Tempe, Arizona  
 Kula, Alberta R. ....Los Banos, California  
 Lacey, Floyd E. ....Humboldt, Tennessee  
 Lake, Ruth M. ....Duarte, California  
 Lamb, Bill D. ....Phoenix, Arizona  
 Lamb, Foster D. ....Coolidge, Arizona  
 Lambeth, James P. ....Phoenix, Arizona  
 Lambros, James J. ....Phoenix, Arizona  
 Land, Vickie M. ....Phoenix, Arizona  
 Landow, Carl W. ....New Haven, Connecticut  
 Landon, Jimmie D. ....Phoenix, Arizona  
 Lane, Hazel .....Phoenix, Arizona  
 Lang, Susan E. ....Phoenix, Arizona  
 Lanier, Mary Lou .....Anchorage, Alaska  
 Lanier, Toni .....Seligman, Arizona  
 Latham, Gertrude .....Phoenix, Arizona  
 Lauermaun, Yolande E. ....Phoenix, Arizona  
 Lauterbach, Catherine .....Phoenix, Arizona  
 Lawrence, Catherine A. ....Boulder City, Nevada  
 Lawson, Jeanene G. ....Phoenix, Arizona  
 Leach, Kenneth A. ....Phoenix, Arizona  
 Leavitt, Neva L. ....Phoenix, Arizona  
 Lebs, Pat A. ....Phoenix, Arizona  
 Lechkun, Stella .....Phoenix, Arizona  
 Ledbetter, Lawrence W. ....Phoenix, Arizona  
 Lee, Idelle B. ....Phoenix, Arizona  
 Lee, Robert E. ....Overgaard, Arizona  
 Lehman, Geraldine L. ....Chicago, Illinois  
 Lemons, Louise J. ....Phoenix, Arizona  
 Leonard, Joanne M. ....Phoenix, Arizona  
 Lepenski, Patty L. ....Phoenix, Arizona  
 Lewis, Pearl L. ....Phoenix, Arizona  
 Lewis, Ruth T. ....Phoenix, Arizona  
 Lewis, Shirley S. ....Phoenix, Arizona  
 Lindsay, Jeanette P. ....Phoenix, Arizona  
 Lindsey, Jerri C. ....Phoenix, Arizona  
 Loden, Ralph C. ....Glendale, Arizona  
 Logan, Bruce K. ....Phoenix, Arizona  
 Logan, Lucy D. ....Phoenix, Arizona  
 Long, Melba S. ....Phoenix, Arizona  
 Longstreth, Mary .....Phoenix, Arizona  
 Loper, G. Larry .....Bisbee, Arizona  
 Lorenz, Charles P. ....Avondale, Arizona  
 Lovebury, William F. ....Scottsdale, Arizona  
 Lowenstein, Carolyn L. ....Phoenix, Arizona  
 Lowrie, Eleanor .....Phoenix, Arizona  
 Luce, Shirley D. ....Phoenix, Arizona  
 Lunsford, Robert R. ....Phoenix, Arizona

MacIntyre, William E.	Phoenix, Arizona	Nail, Ina M.	Phoenix, Arizona
Magonik, Doyle C.	Phoenix, Arizona	Neely, Charles A.	Phoenix, Arizona
Mahnke, Annette C.	Phoenix, Arizona	Neely, Otto B.	Ilo, Peru, South America
Malakowsky, Marjorie	Phoenix, Arizona	Neely, Reedy I.	Ilo, Peru, South America
Malmgren, Gilda I.	Glendale, Arizona	Neely, Unice R.	Casa Grande, Arizona
Manderson, Barbara	Phoenix, Arizona	Neil, Lois L.	Peoria, Arizona
Manderson, Walter C.	Phoenix, Arizona	Nelson, Lucille	Phoenix, Arizona
Manning, Mary J.	Litchfield Park, Arizona	Nelson, Lynda	Sun City, Arizona
Manton, Jeanne P.	Phoenix, Arizona	Nelssen, Fletcher	Phoenix, Arizona
Martin, Peggy J.	Eloy, Arizona	New, Linda	Phoenix, Arizona
Martinez, Angela	Phoenix, Arizona	Newhall, Celia A.	Page, Arizona
Martinez, Jorge A.	Phoenix, Arizona	Newton, Raymond L.	Seligman, Arizona
Masi, Rosemarie C.	Phoenix, Arizona	Newton, Sharon A.	Seligman, Arizona
Mattox, Ramona M.	Buckeye, Arizona	Nichols, Enid C.	Phoenix, Arizona
Mattox, Rose E.	Phoenix, Arizona	Nielsen, Virginia M.	Phoenix, Arizona
Mattson, Peggy	Phoenix, Arizona	Nirscher, Arthur R.	Belleville, Illinois
Mayotte, Madalyn	Prescott, Arizona	Nix, Paul W.	Phoenix, Arizona
Mayse, James W.	Phoenix, Arizona	Nobel, Dennis G.	Scottsdale, Arizona
McAllister, Linda L.	Glendale, Arizona	Noble, Betty J.	Phoenix, Arizona
McAllister, Nancy C.	Glendale, Arizona	Noe, Lincoln R.	Wildor, Idaho
McBroom, Rhoda J.	Phoenix, Arizona	Norris, Eileen O.	Phoenix, Arizona
McCarthy, Joseph A.	Phoenix, Arizona	Nunemaker, Faye S.	Nogales, Arizona
McCluskey, Janet R.	Phoenix, Arizona	Nutima, Andrew F.	Phoenix, Arizona
McCormick, Dorothy A.	Phoenix, Arizona	Oakes, Robert W.	Phoenix, Arizona
McCubbin, Michal A.	Phoenix, Arizona	Oliver, Russell D.	Glendale, Arizona
McCullough, Carrie M.	Phoenix, Arizona	Oliver, William J.	Phoenix, Arizona
McCreight, Charles R.	Phoenix, Arizona	Ollson, Louis M.	Phoenix, Arizona
McDonald, Dorothy M.	Phoenix, Arizona	Ong, Wendy L.	Phoenix, Arizona
McDowell, Lynette L.	Phoenix, Arizona	Orr, Doyle J.	Phoenix, Arizona
McEuen, John H.	Duncan, Arizona	Orr, Lorene M.	Phoenix, Arizona
McFadden, Charles S.	Phoenix, Arizona	Osborne, Mary F.	Hicksville, New York
McKee, Anthony W.	Phoenix, Arizona	Owen, Suella	Phoenix, Arizona
McKenzie, Leonard	Shiprock, New Mexico	Owens, Mary A.	Prescott, Arizona
McLendon, John W.	Kingman, Arizona	Owens, Melvin J.	Phoenix, Arizona
McLeroy, Joe C.	Roy, New Mexico	Pacioni, Raymond B.	Phoenix, Arizona
McLeroy, L. Jim	Roy, New Mexico	Page, Jerry R.	Phoenix, Arizona
McLeroy, Solly R.	Phoenix, Arizona	Page, Sharron M.	Phoenix, Arizona
McLin, William R.	Phoenix, Arizona	Painter, Helen M.	Phoenix, Arizona
McMahon, John E.	Phoenix, Arizona	Pair, Don C.	Eloy, Arizona
McMillan, Donald J.	Glendale, Arizona	Panarello, Donna M.	Scottsdale, Arizona
McNert, James L.	Phoenix, Arizona	Parmelee, Arthur W.	Phoenix, Arizona
McNert, Paul C.	Phoenix, Arizona	Parmley, Edna M.	Glendale, Arizona
McTavish, Clifford J.	Pueblo, Colorado	Parr, James C.	Glendale, Arizona
Meacham, Allen E.	Phoenix, Arizona	Parrish, George K.	Phoenix, Arizona
Meairs, Barbara A.	Medicine Lodge, Kansas	Paterick, William J.	Mesa, Arizona
Meck, Tommy O.	Buckeye, Arizona	Patrick, Marilyn L.	Phoenix, Arizona
Mendenhall, Gary G.	Glendale, Arizona	Paulus, Bruce B.	Asbury, New Jersey
Mendenhall, Michael	Phoenix, Arizona	Payne, Jeannine M.	Glendale, Arizona
Meng, Jean W.	Phoenix, Arizona	Peace, Roy E.	Phoenix, Arizona
Menne, Sarah L.	Phoenix, Arizona	Penberthy, James	Phoenix, Arizona
Mensendick, Don M.	Phoenix, Arizona	Pence, Ada L.	Scottsdale, Arizona
Mercer, Walter W.	Carrizozo, New Mexico	Pennington, Elizabeth A.	Phoenix, Arizona
Meredith, Gloria E.	Phoenix, Arizona	Perry, Anna M.	Phoenix, Arizona
Meyer, Katherine C.	Phoenix, Arizona	Perry, Linda B.	Glendale, Arizona
Mierkey, Patrick D.	Phoenix, Arizona	Perris, Lenoir	Plaquemine, Louisiana
Miley, Ted W.	Winslow, Arizona	Peters, Betty A.	Buckeye, Arizona
Miller, Agnes O.	Phoenix, Arizona	Pettit, William D.	Phoenix, Arizona
Miller, Carolyn T.	Morenci, Arizona	Petty, Evelyn M.	Phoenix, Arizona
Miller, Eloise L.	Phoenix, Arizona	Pfeister, Rebecca J.	Oak Harbor, Washington
Miller, Martha E.	Rigby, Idaho	Phillips, Charles H.	Phoenix, Arizona
Miller, Theodore E.	Winslow, Arizona	Phillips, Donald L.	Phoenix, Arizona
Miller, Toby D.	Phoenix, Arizona	Phillips, Marcia L.	Evergreen, Colorado
Mills, James A.	Phoenix, Arizona	Pillar, John M.	Tolleson, Arizona
Mills, Shirley A.	Klamath Falls, Oregon	Pinkley, Evelyn P.	Phoenix, Arizona
Misko, Jean K.	Phoenix, Arizona	Plimpton, Phyllis O.	Glendale, Arizona
Mitchell, Clyde N.	Phoenix, Arizona	Pocock, Cathie A.	Phoenix, Arizona
Mooney, Craig A.	New Castle, Pennsylvania	Poling, Willis A.	Phoenix, Arizona
Moore, James H.	Globe, Arizona	Pomeroy, Irene K.	Phoenix, Arizona
Moore, Martha N.	Peoria, Arizona	Pope, Harold W.	Phoenix, Arizona
Morales, Max J.	Buckeye, Arizona	Porter, Harriet M.	Phoenix, Arizona
Morningstar, Marilyn S.	Lima, Ohio	Porter, Harold E.	Phoenix, Arizona
Morris, Mary E.	Phoenix, Arizona	Porter, Flo D.	Phoenix, Arizona
Morris, Pearl	Winslow, Arizona	Powell, Ernest	Phoenix, Arizona
Morrison, Margaret	Glendale, Arizona	Powell, Marie A.	Phoenix, Arizona
Mosher, Victoria J.	Tolleson, Arizona	Powell, Roger	Phoenix, Arizona
Mosley, Veronica D.	Phoenix, Arizona	Powers, William E.	Phoenix, Arizona
Mueller, Brenda L.	Phoenix, Arizona	Price, Bonnie K.	Cottonwood, Arizona
Mueller, Frank W.	Phoenix, Arizona	Price, Robert L.	Payson, Arizona
Mulanax, Gerald D.	Las Vegas, Nevada	Frock, Jerry D.	Phoenix, Arizona
Mulkey, John M.	Casa Grande, Arizona	Fruett, Wayne L.	Phoenix, Arizona
Mulkey, Suzanne R.	Casa Grande, Arizona	Fruitt, Wesley E.	Phoenix, Arizona
Munyon, David L.	Phoenix, Arizona	Fryor, Virginia R.	Englewood, Colorado
Munoz, Evangeline	Phoenix, Arizona	Puckett, Kathy	Phoenix, Arizona
Murray, Muriel D.	Phoenix, Arizona	Pullins, Gary D.	Glendale, Arizona

Putnam, Edwin F.	Phoenix, Arizona	Simmons, Paul M.	Glendale, Arizona
Quass, David E.	Phoenix, Arizona	Simmons, Rosalie R.	Glendale, Arizona
Quass, Gladys S.	Glendale, Arizona	Simpson, Rose Mary	Phoenix, Arizona
Raderich, Katherine M.	Tempe, Arizona	Sipus, Ronald G.	Show Low, Arizona
Rains, Calvin H.	Phoenix, Arizona	Sisco, Ella M.	Clifton, Arizona
Ramer, Gary D.	Ajo, Arizona	Skeens, Mary L.	Phoenix, Arizona
Ramer, Reynold W.	Ajo, Arizona	Sliger, James E.	Oakwood, Texas
Ramirez, Carmelo H.	Phoenix, Arizona	Sloan, David D.	Phoenix, Arizona
Ramos, Margaret L.	Gallup, New Mexico	Smith, Carl E.	Phoenix, Arizona
Randolph, Rachel	Buckeye, Arizona	Smith, David W.	Linden, New Jersey
Rauch, Berna	Phoenix, Arizona	Smith, Edward L.	Phoenix, Arizona
Reed, Christine W.	Phoenix, Arizona	Smith, Evelyn M.	Phoenix, Arizona
Reed, Irvin M.	Phoenix, Arizona	Smith, Gerald L.	Phoenix, Arizona
Reed, Robert L.	Phoenix, Arizona	Smith, John L.	Clearfield, Utah
Reedy, Carol J.	Phoenix, Arizona	Smith, Kenneth R.	Phoenix, Arizona
Reedy, Doug J.	Phoenix, Arizona	Smith, Lois J.	Phoenix, Arizona
Reems, John K.	Peoria, Arizona	Smith, Mary A.	Phoenix, Arizona
Reid, Peggy S.	Burley, Idaho	Smith, Max M.	Phoenix, Arizona
Reinoehl, Jean M.	Phoenix, Arizona	Smith, Rose A.	Phoenix, Arizona
Reiter, Sharon A.	Glendale, Arizona	Smith, Veral R.	McLean, Texas
Reynolds, Gerald W.	Morrisville, Vermont	Smith, Winona J.	Clearfield, Utah
Reynolds, Howard C.	Baton Rouge, Louisiana	Snyder, John R.	Phoenix, Arizona
Reynolds, Stephen P.	Phoenix, Arizona	Snyder, Larry L.	Phoenix, Arizona
Rhea, Norma S.	Phoenix, Arizona	Sorensen, Alvin L.	Phoenix, Arizona
Rheume, Ronald G.	Phoenix, Arizona	South, Lynn E.	Eloy, Arizona
Rice, Robert B.	Phoenix, Arizona	Sparkman, Patsy K.	Tolleson, Arizona
Richards, Jimmy L.	Columbus, Georgia	Spieles, Kathleen T.	Phoenix, Arizona
Richey, Myrna J.	Phoenix, Arizona	Spieler, Linda A.	Glendale, Arizona
Richmond, Barbara M.	Mebane, North Carolina	Spieler, Nell R.	Phoenix, Arizona
Richmond, F. June	Ignacio, Colorado	Spivey, Dan H.	Bisbee, Arizona
Riddle, Barbara K.	Glendive, Montana	Stafford, Jerry D.	Perryton, Texas
Riley, Augustus B.	Phoenix, Arizona	Stanley, Elna F.	Phoenix, Arizona
Riley, Diana B.	Tucson, Arizona	Stanley, Nancy L.	Phoenix, Arizona
Riley, Lillian M.	Yuma, Arizona	Stansberry, Lorraine	Willcox, Arizona
Riley, Terri L.	Phoenix, Arizona	Stansbury, Willard C.	Phoenix, Arizona
Rising, Melvin	Phoenix, Arizona	Stearman, Helen I.	Phoenix, Arizona
Risinger, Al	Scottsdale, Arizona	Stearns, April J.	Phoenix, Arizona
Risinger, Lena R.	Rainbow Valley, Arizona	Steele, Arnold R.	Phoenix, Arizona
Risser, Mary A.	Buckeye, Arizona	Stephens, Claude D.	Buckeye, Arizona
Roberts, Claire K.	Phoenix, Arizona	Stephens, Walter J.	Phoenix, Arizona
Roden, Barbara J.	Phoenix, Arizona	Stevenson, Clarice L.	Phoenix, Arizona
Roden, Sarah R.	Tucson, Arizona	Steward, Pamela F.	Phoenix, Arizona
Rodriguez, R. Nemesio	Phoenix, Arizona	Sticht, Louise B.	Phoenix, Arizona
Rodriguez, Teodora N.	Glendale, Arizona	Stierwalt, Mabel B.	Phoenix, Arizona
Roepeke, Karen S.	Glendale, Arizona	Stokes, Mollie B.	Phoenix, Arizona
Roever, Janice E.	Phoenix, Arizona	Stoneman, Herbert W.	Phoenix, Arizona
Rogers, Bessie F.	Phoenix, Arizona	Strait, David M.	Laveen, Arizona
Rogers, Vincene J.	Maricopa, Arizona	Stringer, Harriett E.	Buckeye, Arizona
Romaine, Elizabeth P.	Phoenix, Arizona	Stroup, Virginia L.	Phoenix, Arizona
Rose, Eleanor S.	Roosevelt, Arizona	Swindell, Richard E.	Glendale, Arizona
Rose, Renee K.	Phoenix, Arizona	Sykes, Faye C.	Phoenix, Arizona
Roseman, Carol L.	Phoenix, Arizona	Sylvanus, Karel E.	Phoenix, Arizona
Ross, Joe G.	Phoenix, Arizona	Tapia, Noel T.	Masaya, Nicaragua
Ross, Rosa M.	Phoenix, Arizona	Tate, Phoebe A.	Phoenix, Arizona
Russelle, Michael L.	Phoenix, Arizona	Taylor, Nadine	Phoenix, Arizona
Rummage, Patricia P.	Phoenix, Arizona	Teders, Elizabeth G.	Phoenix, Arizona
Rummage, Robert G.	Phoenix, Arizona	TenHarkel, Esther G.	Phoenix, Arizona
Russell, David E.	Phoenix, Arizona	Tenny, Patricia G.	Prescott, Arizona
Rutherford, Darlene J.	Phoenix, Arizona	Tessler, Joyce	Phoenix, Arizona
Ryan, Kathryn E.	Phoenix, Arizona	Termyer, Stephen E.	Phoenix, Arizona
Roberty, Martha J.	Phoenix, Arizona	Thiesen, Mary F.	Phoenix, Arizona
Saad, Barbara M.	Phoenix, Arizona	Thienes, Neil C.	Sun City, Arizona
Salsman, Annetta H.	Phoenix, Arizona	Thomas, Alma F.	Phoenix, Arizona
Sanders, Oliver L.	Sierra Vista, Arizona	Thomas, Ernest S.	Willcox, Arizona
Santville, Theodore N.	Phoenix, Arizona	Thomas, Kenneth L.	Boulder City, Nevada
Sartain, Bennaneal M.	Phoenix, Arizona	Thomas, Marian H.	Phoenix, Arizona
Scarborough, Diana B.	Phoenix, Arizona	Thompson, Bill N.	Phoenix, Arizona
Schilling, George J.	Tucson, Arizona	Thompson, Jessie I.	Phoenix, Arizona
Schmidt, Fred N.	Phoenix, Arizona	Thompson, Lyman E.	Phoenix, Arizona
Schmidt, Julie A.	Phoenix, Arizona	Thorley, Edmund dD.	Peoria, Arizona
Schmidt, Mary J.	Zion Lake, Illinois	Tidmore, Maynard E.	Tolleson, Arizona
Scotney, Patricia D.	Phoenix, Arizona	Tilt, Mary L.	Glendale, Arizona
Scott, Howard	Bronx Park East, New York	Tisdell, Dwight D.	Phoenix, Arizona
Scott, Janice E.	Phoenix, Arizona	Torrey, Virginia	Phoenix, Arizona
Scott, Ruth E.	Phoenix, Arizona	Towers, Helen M.	Phoenix, Arizona
Scott, W. Alberta	Phoenix, Arizona	Traw, Glen T.	Arkoma, Oklahoma
Scott, Woodrow W.	Phoenix, Arizona	Treize, John M.	Phoenix, Arizona
Seib, Elizabeth	Phoenix, Arizona	Trimble, Lois C.	Phoenix, Arizona
Seymour, Linda E.	Phoenix, Arizona	Turner, Bessie M.	Phoenix, Arizona
Seymour, Robert L.	Phoenix, Arizona	Turner, Karen L.	Phoenix, Arizona
Sheppard, Marylou	Phoenix, Arizona	Turner, Sylvia E.	Buckeye, Arizona
Shirley, James J.	Phoenix, Arizona	Ueltzen, John D.	Phoenix, Arizona
Siemund, John W.	Benson, Arizona	Vanfossan, M. Karen	Phoenix, Arizona
		VanHorn, Gary L.	Tucson, Arizona

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 Vaughn, Dorothy G. .... Phoenix, Arizona  
 Veit, Iracema L. .... Glendale, Arizona  
 Vizcaya, James .... Glendale, Arizona  
 Waddell, Roy M. .... Phoenix, Arizona  
 Walker, William N. .... Scottsdale, Arizona  
 Walworth, Melovee D. .... Glendale, Arizona  
 Wang, Nancy H. .... Phoenix, Arizona  
 Warren, Harry R. .... Scottsdale, Arizona  
 Warren, William H. .... Eloy, Arizona  
 Watkins, David G. .... Phoenix, Arizona  
 Watkins, Kenneth L. .... Phoenix, Arizona  
 Watkins, Virgil T. .... Phoenix, Arizona  
 Watson, Warren W. .... Phoenix, Arizona  
 Weasel, Thurman .... Phoenix, Arizona  
 Weed, Boyd E. .... Phoenix, Arizona  
 Wehrley, Sue A. .... Phoenix, Arizona  
 Weidenheimer, Paul A. .... Phoenix, Arizona  
 Weller, Janet V. .... Phoenix, Arizona  
 Wells, David L. .... Phoenix, Arizona  
 Weymouth, John F. .... Houston, Texas  
 Wheeler, David R. .... Phoenix, Arizona  
 Wheeler, Dolpha E. .... Phoenix, Arizona  
 Wheeler, Emilie A. .... Phoenix, Arizona  
 Whitcomb, Gerald R. .... Phoenix, Arizona  
 Whitcomb, Kay L. .... Phoenix, Arizona  
 White, Elizabeth A. .... Phoenix, Arizona  
 White, James M. .... Phoenix, Arizona  
 White, Lloyd D. .... Jackson, Mississippi  
 White, Marjorie I. .... Phoenix, Arizona  
 White, Walter W. .... Roy, Utah  
 Wick, Jack C. .... Glendale, Arizona

Wielgus, Alva J. .... Phoenix, Arizona  
 Wietrick, Dorothy E. .... Phoenix, Arizona  
 Wiley, Genevieve L. .... Phoenix, Arizona  
 Wiley, Judy L. .... Ajo, Arizona  
 Wiley, Monty C. .... Phoenix, Arizona  
 Wilhite, Richard L. .... Phoenix, Arizona  
 Wilkie, Bill R. .... Yuma, Arizona  
 Williams, Billy R. .... Phoenix, Arizona  
 Williams, David M. .... Phoenix, Arizona  
 Williams, Howard E. .... Sweetwater, Texas  
 Williams, J. D. .... Phoenix, Arizona  
 Williams, Kenneth D. .... Prescott, Arizona  
 Williams, Mary A. .... Phoenix, Arizona  
 Williams, Murle O. .... Phoenix, Arizona  
 Williams, Seth E. .... Glendale, Arizona  
 Wilson, Andrea R. .... Phoenix, Arizona  
 Wilson, Charles L. .... Galveston, Texas  
 Wilson, Jerry G. .... Phoenix, Arizona  
 Wilson, Sybil L. .... Casa Grande, Arizona  
 Wilt, Waldo C. .... Phoenix, Arizona  
 Wimer, Spencer D. .... Phoenix, Arizona  
 Winters, Janice K. .... Glendale, Arizona  
 Wood, Johnny M. .... Phoenix, Arizona  
 Wood, Marilyn ..... Phoenix, Arizona  
 Wood, Willard L. .... Phoenix, Arizona  
 Woods, Gary D. .... Phoenix, Arizona  
 Worth, Catherine C. .... Tempe, Arizona  
 Worth, John F. .... Tempe, Arizona  
 Wright, Virginia L. .... Phoenix, Arizona  
 Yetman, Norman R. .... Phoenix, Arizona  
 Zirchterman, Mary L. .... Coolidge, Arizona  
 Ziegenbein, Elaine A. .... Ashland, Nebraska

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