



Summer School

UNIVERSITY OF NEVADA

Reno -- 1959

1959 SUMMER SCHOOL CALENDAR

Registration for each session will be held on Saturday, 8:30 a. m. to 12 m., preceding the date of the beginning of each course, in Ross Hall and the College of Education Building.

First Session (two weeks), June 8-19.

Ten-week Session, June 8-August 14. (June 8 to July 11, July 13-August 14.)

Main Session (six weeks), June 22 to July 31.

Post Session (two weeks), August 3-14.

Vocational Session (one week), August 17-21.

June 6, Saturday.....Registration of First and Long Session students.

June 8, Monday.....Classwork begins at 8 a. m. for First and Long Session students.

June 9, Tuesday.....All registration must be completed for First Session students.

June 13, Saturday.....All registration must be completed for Long Session students by 12 m.

June 19, Friday.....First Session closes.

June 20, Saturday.....Registration of Main Session students.

June 22, Monday.....Classwork begins at 8 a. m. for Main Session students.

June 27, Saturday.....All registration must be completed for Main Session students by 12 m.

July 13, Monday.....Classwork begins at 8 a. m. for second half of Long Session students.

July 18, Saturday.....All registration must be completed for second half of Long Session students by 12 m.

July 31, Friday.....Main Session closes.

August 1, Saturday.....Registration of Post Session students.

August 3, Monday.....Classwork begins at 8 a. m. for Post Session students.

August 4, Tuesday.....All registration must be completed for Post Session students.

August 14, Friday.....Post and Long Sessions close.

August 17, Monday.....Registration for Special Vocational Education Session. Session begins at 8 a. m.

August 21, Friday.....Final Session closes. Official end of 1959 Summer Sessions.

Bulletin of the
UNIVERSITY OF NEVADA

Vol. XLXIII

JANUARY 1959

No. 2

INFORMATION . . . ANNOUNCEMENTS
COURSES OF INSTRUCTION
1959 SUMMER SCHOOL

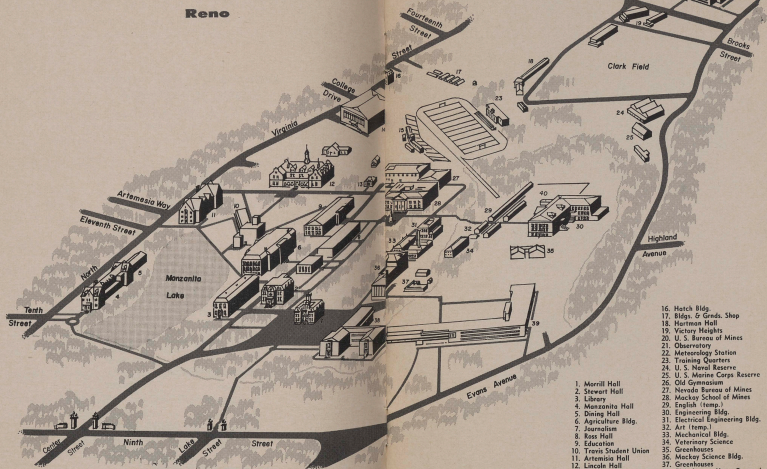


PLEASE BRING THIS BOOK TO REGISTRATION

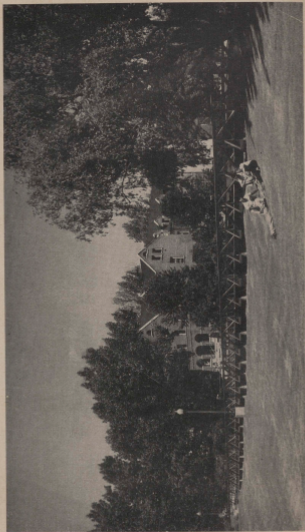
- Show this bulletin to a friend who may also be interested.
- The 1959 Summer School will offer special courses of instruction in these Colleges and Schools:
 - Agriculture and Home Economics
 - Arts and Science
 - Business Administration
 - Education
 - Engineering
 - Mines
 - Nursing
 - Graduate School
- Write for further information, if needed.

UNIVERSITY OF NEVADA

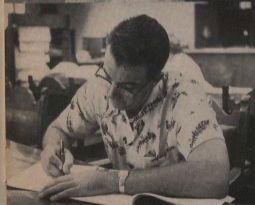
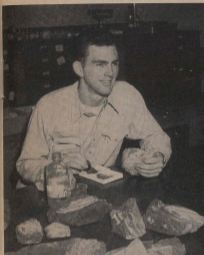
Reno



- 1. Merrill Hall
- 2. Stewart Hall
- 3. Library
- 4. Manzanita Hall
- 5. Dining Hall
- 6. Agriculture Bldg.
- 7. Journalism
- 8. Ross Hall
- 9. Education
- 10. Trans Student Union
- 11. Artemesia Hall
- 12. Lincoln Hall
- 13. Infirmary
- 14. Gymnasium
- 15. Mackey Stadium
- 16. Hatch Bldg.
- 17. Bldgs. & Grads. Shop
- 18. Hartman Hall
- 19. Victory Heights
- 20. U. S. Bureau of Mines
- 21. Observatory
- 22. Meteorology Station
- 23. Training Quarters
- 24. U. S. Naval Reserve
- 25. U. S. Marine Corps Reserve
- 26. Old Gymnasium
- 27. Nevada Bureau of Mines
- 28. Mackey School of Mines
- 29. English (temp.)
- 30. Engineering Bldg.
- 31. Electrical Engineering Bldg.
- 32. Art (temp.)
- 33. Mechanical Bldg.
- 34. Veterinary Science
- 35. Greenhouses
- 36. Mackey Science Bldg.
- 37. Greenhouses
- 38. Fleischmann Home Economics
- 39. Fleischmann Agriculture
- 40. Mining Laboratory



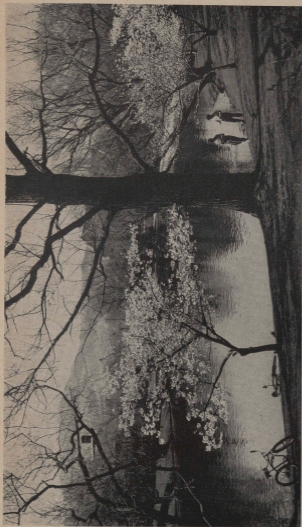
Sun and conversation
... beside the tram.



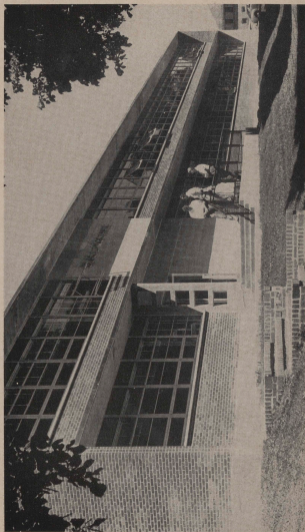
Solitude in study
... in library and lab.



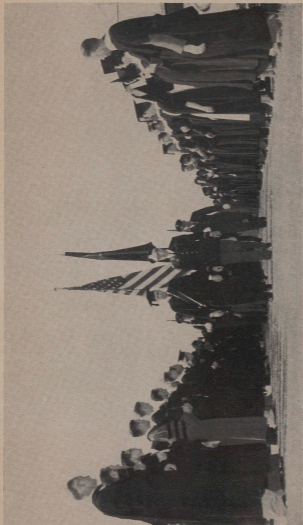
Preview of activity
... for the 1960 Winter Olympics.



The coming of Spring
... by Manzanita Lake.



Classroom in modern
... Ross Hall.



Tradition and pageantry
... the academic procession.

SUMMARY OF FACTS

1959 SUMMER SCHOOL CALENDAR

Registration for each session will be held on Saturday, 8:30 a. m. to 12 m. preceding the date of the beginning of each course, in Ross Hall and the College of Education Building.

First Session (two weeks), June 8-19.

Ten-week Session, June 8 to August 14. (June 8-July 10; July 13-August 14.)

Main Session (six weeks), June 22 to July 31.

Post Session (two weeks), August 3-14.

Vocational Session (one week), August 17-21.

FEES

*Student Union fee.....50c and \$1, depending upon session
Matriculation Fee (new students only)..... \$5

*Registration Fees—

Resident—\$10 per credit, and laboratory fees, if any, for each term of session.

Nonresident—\$12 per credit, and laboratory fees, if any, for each term of session.

Auditor's Fee—\$7.50 per credit, and laboratory fees, if any.

REGISTRATION OFFICERS

Prior to registration for each Summer Session the student should consult with the Dean of the College or School in which he is enrolled in Ross Hall or in the room and building listed below, depending on the specific session.

College or School	Dean	Building
Arts and Sciences.....	Dr. Ralph Irwin.....	Mackay Science
Agriculture and Home Economics.....	Dr. James E. Adams.....	New Agriculture
Business Administration.....	Dr. Robert C. Weems, Jr.....	Ross Hall
Education.....	Dr. Garold D. Holstine.....	Education
Engineering.....	Mr. Howard B. Blodgett.....	Electrical Engineering
Mines.....	Dr. Vernon Scheid.....	Mackay Mines
Nursing.....	Mrs. Helen M. Gilkey.....	New Home Economics
Graduate.....	Dr. Joe Moose.....	Stewart Hall
Special Students.....	Dr. Garold D. Holstine, Director of Summer School.....	Education
Student Affairs.....	Mr. Sam Basta.....	Ross Hall
Registrar.....	Mr. C. E. Byrd.....	Ross Hall

LIVING EXPENSES

Students who wish to reside in University residence halls are required to contract for room and board, at a cost of \$28.50 per week. (Board is for a six-day week, Monday through Saturday.)

Students living off campus may arrange to secure meals at the University Dining Hall.

For applications, write the Office of Student Affairs, University of Nevada, Reno, Dean Sam Basta.

* Subject to change by Board of Regents' action.

PRESIDENT'S WELCOME

1959 SUMMER SCHOOL

On behalf of the Faculty of the Summer School of the University of Nevada, it is a pleasure for me to extend a cordial welcome to all who plan to participate in the summer session scheduled for 1959 on the campuses at Reno and Las Vegas, and in various off-campus centers throughout the State.

The basic theme of our 1959 Summer School centers upon means of designing instructional programs which will contribute to the strength of our nation in leadership, in knowledge, and in professional skills for the space age. The conquest of the frontiers of outer space brings to mankind an unparalleled challenge and a hope, but only on condition that our new knowledge and skill be directed toward good, not evil, purposes. The challenge of today and tomorrow demands men and women of trained intelligence, of mental, emotional, and spiritual maturity, who have breadth of perception and depth of understanding, who comprehend the relationship between man's knowledge and his everyday practical problems, and who, above all, are aware of the responsibility which freedom places upon them.

Concerned as we are with the improvement of instruction in all subject areas, we recognize the critical importance of increasing the technical potential of our nation to meet the demands of the space age. Teachers of science and mathematics play a key role in this undertaking. Thus, it is particularly appropriate and important to note that the University of Nevada has been awarded a grant of \$57,400 by the National Science Foundation for support of a summer institute for high school teachers of science and mathematics during the summer of 1959. The institute is designed to improve the subject matter competence of the participating teachers, to strengthen their capacity for motivating able students to consider careers in science, to bring the participating teachers into personal contact with prominent scientists who will participate in the institute, and to effect greater mutual understanding and appreciation of each other's teaching problems, among teachers of science and mathematics at both the high school and college levels.

In other subject areas as well, an imposing array of courses, workshop conferences, seminars, and other special programs are available in the summer of 1959. We anticipate a continuing rapid increase in enrollment, and we are pleased thus to be able to serve more widely the educational needs of our area.

CHARLES J. ARMSTRONG,

President.

DIRECTOR'S WELCOME

1959 Summer School Theme: "Education for the Space Age"

General public interest and concern for an effective educational system and its numerous products and by-products have reached the highest peak in many decades. Citizens have joined with professional personnel in unifying and clarifying efforts to sift the truths from half-truths, falsehoods, and misimpressions in a sincere approach to determine whether our elementary, secondary, and higher schools are suitable for the Space Age. The American people have requested facts, demonstrations, and specific proof that the young citizens are receiving the best possible cultural, professional, and vocational backgrounds for the disciplined demands in the battle for human hearts and minds in the Universe. The survival of human freedom requires the maximum development of human resources and the application of self-discipline to the constructive uses of human energies and aptitudes.

The 1959 University of Nevada Summer School offerings will be dedicated to the maximum development of intellectual resources and human relationships for the Space Age. The administrators and faculty members extend a firm challenge to all students who wish to join them in the goals listed above. There will be approximately 1,600 different students from more than thirty states involved in the various sessions from June 8 to August 21. In addition to courses and seminars there will be conferences, institutes, convocations, field trips, historical and geographical tours and recreational opportunities for the entire family. Preparations for the 1960 International Olympics activities may be observed in nearby Squaw Valley. In Nevada, students will be able to enjoy what is rapidly becoming one of the most desirable settings for Summer School work in the United States.

If there are any further facts needed or facilities required, each student is urged to see or write to the Director of the Summer School. Suggestions for the improvement of the 1959 Summer School will be greatly appreciated.

GAROLD D. HOLSTINE, *Director*
1959 Summer School.

BOARD OF REGENTS

HON. FRED M. ANDERSON.....	Reno
HON. WELD ARNOLD.....	Carson City
HON. N. E. BROADBENT.....	Ely
HON. NEWTON CRUMLEY.....	Reno
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STAFF

ADMINISTRATIVE OFFICERS

- CHARLES J. ARMSTRONG, Ph.D., President.
WILLIAM R. WOOD, Ph.D., Academic Vice President.
GAROLD D. HOLSTINE, Ph.D., Director of Summer School.
JAMES E. ADAMS, Ph.D., Dean of Max C. Fleischmann College of Agriculture.
SAM M. BASTA, M.S., Dean of Student Affairs.
HOWARD B. BLODGETT, C.E., Dean of the College of Engineering.
CLARENCE E. BYRD, M.A., Registrar and Director of Admissions.
WILLIAM D. CARLSON, Ph.D., Dean of Southern Regional Division (Las Vegas).
MRS. HELEN H. GILKEY, M.A., Dean of the Orvis School of Nursing.
PERRY W. HAYDEN, B.A., Comptroller and Treasurer.
JAMES J. HILL, M.A., B.S. in L.S., Director of Libraries.
GAROLD D. HOLSTINE, Ph.D., Dean of the College of Education.
MARILYN J. HORN, Ph.D., Associate Director, Sarah Hamilton Fleischmann School of Home Economics.
RALPH A. IRWIN, Ph.D., Dean of the College of Arts and Science.
LLOYD A. DRURY, Ph.D., Director, Evening Division, Off-Campus Program, and Audio-Visual Communication.
ROBERT L. KERSEY, B.S., Director, Student Services.
ROBERT P. LAXALT, B.A., University Editor.
MISS ELAINE MOBLEY, M.A., Dean of Women.
JOE EUGENE MOOSE, Ph.D., Dean of the Graduate School.
JAMES D. ROGERS, B.S., University Engineer.
VERNON E. SCHEID, Ph.D., Dean of the Mackay School of Mines.
ROBERT C. WEEMS, JR., Ph.D., Dean of College of Business Administration.

FACULTY

(Part-time and Full-time)

- ADAMS, JAMES E., Ph.D., Professor and Dean, Max C. Fleischmann College of Agriculture, Director of Agricultural Experiment Station, Extension Division, and Resident Instruction.
B.A., William Jewel College, 1920; M.S., Purdue University, 1922; Ph.D., Iowa State College, 1936. (1956)
- ANDERSON, BERNARD A., Ph.D., Associate Professor of Speech.
B.A., University of Washington, 1933; Ph.D., University of Wisconsin, 1950. (1958)

- ARMSTRONG, CHARLES J., Ph.D., President, University of Nevada.
A.B., University of British Columbia, 1932; Ph.D., Harvard University, 1936.
(1958)
- BACKMAN, CARL WARD, Ph.D., Assistant Professor of Sociology.
A.B., Oberlin College, 1948; A.M., Indiana University, 1950; Ph.D., 1954.
(1955)
- BARNES, GEORGE, Ph.D., Associate Professor of Physics.
B.A., Pomona College, 1942; M.S., University of Colorado, 1946; Ph.D., Oregon
State College, 1955. (1957)
- BARRES, STEPHEN J., Ph.D., Associate Professor, College of Business Admin-
istration.
B.A., Texas Western College of University of Texas, 1954; M.S., Purdue Univer-
sity, 1955; Ph.D., 1958. (1958)
- BASTA, SAMUEL M., M.S., Dean, Student Affairs.
B.A., University of Nevada, 1938; M.S., University of Southern California, 1953.
(1955-1957)
- BESLEY, E. MAURICE, Ph.D., Professor of Mathematics.
A.B., Lafayette College, 1936; Sc.M., Brown University, 1938; Ph.D., 1943.
(1940-1955)
- BRINK, LAUREN, Ph.D., Associate Professor of English and Director of Dra-
matics (Las Vegas).
B.S., University of Minnesota, 1941; M.A., 1945; Ph.D., 1959. (1954-1955)
- BROTEN, GEORGE A., Ph.D., Associate Professor and Director of Health, Physi-
cal Education, and Athletics.
B.S., Oregon State College, 1940; Ed.M., 1947; Ph.D., 1957 (1948-1954)
- BROWN, HAROLD N., Ed.D., Professor of Education.
B.S., Kansas State Teachers College, 1923; A.M., Stanford University, 1927; Ed.D.,
University of California, 1935. (1930-1940)
- BUSHNELL, ELEANORE, Ph.D., Professor of History and Political Science (Las
Vegas).
A.B., University of Washington, 1935; Ph.D., University of California, 1952.
(1956-1958)
- CARLSON, WILLIAM D., Ph. D., Professor and Dean, Southern Regional Divi-
sion (Las Vegas).
B.E., St. Cloud State Teachers College, 1939; M.A., University of Minnesota, 1951;
Ph.D., 1955. (1953-1957)
- CARROLL, JOHN S., Ph.D., Visiting Lecturer in Education.
A.B., San Diego State College; Ph.D., Yale University.
- CASSARD, DANIEL W., Ph.D., Associate Professor of Animal Husbandry, Asso-
ciate Animal Husbandman.
B.S., University of California, 1947; Ph.D., 1952. (1956)
- CHASE, HARRY M., JR., Ph.D., Assistant Professor of History and Political
Science.
B.A., Centre College of Kentucky, 1949; M.A., University of Connecticut, 1951;
Ph.D., Syracuse University, 1957. (1957)

- HICKMAN, FELTON, M.A., Assistant Professor of Music.
B.A., University of Nevada, 1938; M.A., Brigham Young University, 1954.
(1950)
- HICKS, BETTY, Visiting Lecturer in Education. Director of Golf Program,
Buena Park, California; Summer Sessions, University of Iowa and
University of Oregon.
- HIGGINBOTHAM, ALFRED LESLIE, A.M., Professor of Journalism.
A.B., Oberlin College, 1920; A.M., 1920. (1923-1936)
- HILL, JAMES JULIAN, M.A., B.S. in L.S., Professor and Director of Libraries.
B.A., University of Oklahoma, 1915; M.A., 1915; B.S. in L.S., University of
Illinois, 1929. (1944)
- HOLLAND, FRANCES M., M.A., Visiting Lecturer in Education. Plattsburg,
N. Y. Public School.
B.Ed., Plattsburg Teachers College, 1942; M.A., Teachers College, Columbia Uni-
versity, 1950; Graduate work toward doctorate.
- HOLSTINE, GAROLD D., Ph.D., Professor and Dean, College of Education,
Director of Summer School.
B.Ed., Western Illinois State Teachers College, 1932; M.A., University of Iowa,
1935; Ph.D., 1942. (1954)
- HORN, MARILYN J., Ph.D., Associate Professor and Associate Director, Home
Economics.
B.S., Pratt Institute, 1956; M.S., Cornell University, 1947; Ph.D., 1953. (1955-
1957)
- HOUWINK, WILLEM, D.Ec., Associate Professor in Business Administration.
Degree of Candidate in Economics, Netherlands Economic University, 1939;
Doctorandus Degree in Economics, 1947. (1957-1958)
- HOYT, JAMES M., M.B.A., Assistant Professor of Business Administration.
B.S., Miami University, 1947; M.B.A., Indiana University, 1948. (1948-1954)
- HUME, ROBERT A., Ph. D., Professor of English.
A.B., Stanford University, 1929; LL.B., 1932; M.A., 1935; Ph.D., Cornell Uni-
versity, 1940. (1944-1951)
- HUTCHESON, AUSTIN E., Ph.D., Professor of History and Political Science.
B.A., Reed College, 1925; M.A., University of California, 1929; Ph.D., University
of Pennsylvania, 1937. (1940-1957)
- IRWIN, RALPH A., Ph.D., Professor and Dean, College of Arts and Science.
B.S., Kansas State Agricultural College, 1928; M.S., 1929; Ph.D., Ohio State
University, 1938. (1929-1955)
- JEFFERS, JAY W., M.S., Lecturer in Geology and Geography.
A.B., University of Utah, 1947; M.S., University of Utah, 1953.
- JORDAN, PEYTON, Visiting Lecturer in Coaching School, Head Track Coach,
Stanford University.
- KERMONIAN, SAMUEL BURCHELL, D.Ed., Visiting Lecturer in Education.
A.B., San Francisco State, 1943; M.A., Stanford University, 1949; D.Ed., 1956.

- KEMP, KENNETH C., Ph.D., Assistant Professor of Chemistry.
B.S., Northwestern University, 1950; Ph.D., Illinois Institute of Technology, 1956. (1955-1957)
- KERSTEN, EARL W., JR., M.A., Assistant Professor of Geography.
A.B., Washington University, 1949; M.A., University of Nebraska, 1951. (1951-1954)
- KRAMER, FRITZ L., Ph.D., Assistant Professor of Geography.
B.A., University of Washington, 1950; M.A., University of California, 1953; Ph.D., 1957. (1956)
- KYLE, HELEN, Ed.D., Visiting Lecturer in Education, Assistant Professor in Education, University of Colorado.
B.S. in Ed., Buffalo State Teachers College; M.Ed., Ed.D., Boston University.
- LANE, BARBARA JANE, M.A., Instructor in Health, Physical Education, and Athletics.
B.S., Texas State College for Women, 1953; M.A., 1956. (1956)
- LA RIVERS, IRA, Ph.D., Associate Professor of Biology.
B.S., University of Nevada, 1937; Ph.D., University of California, 1948. 1948-1954)
- LAXALT, ROBERT P., B.A., University Editor.
B.A., University of Nevada, 1947. (1954)
- LEIFSON, SIGMUND W., Ph.D., Professor of Physics.
B.S., North Dakota State Agricultural College, 1922; Ph.D., University of California, 1925. (1925-1935)
- MACY, WILLIAM KEITH, Ph.D., M.M., Associate Professor of Music.
B.A., Walla Walla College, 1941; B.M., Cascade College, 1941; M.A., Whitman College, 1942; M.M., Westminster Choir College, 1946; Ph.D., University of Wisconsin, 1957. (1955)
- MARTIN, EDNA DOWLAND, M.A., Visiting Lecturer in Education, Supervisor Student Teaching, State Teachers College, Westchester, Pa.
B.S., Teachers College, Columbia University, 1939; M.A., Teachers College, Columbia University, 1942; Graduate work toward doctorate.
- MARTIN, ELIZABETH E., B.Lib.Sci., Lecturer in Education.
A.B., University of Southern California, 1937; B.Lib.Sci., 1942.
- MASON, ALICE D'AMELIO L., B.S., Instructor. Women's Physical Education (Las Vegas).
B.S., Tufts College, 1953. (1957)
- MCQUEEN, ROBERT, Ph.D., Assistant Professor of Psychology.
B.A., University of Denver, 1949; M.A., 1950; Ph.D., University of Texas, 1955. (1955)
- MCKOWN, HARRY C., Ph.D., Visiting Professor in Education.
B.S., Knox College, 1913; M.A., University of Illinois, 1919; M.A., Columbia University, 1922; Ph.D. 1923.
- McMURRAY, GEORGE R., Ph.D., Assistant Professor of Foreign Languages.
B.A., Mexico City College, 1949; M.A., University of Nebraska, 1951; Ph.D., 1955. (1956-1957)

- MOBLEY, H. ELAINE, M.A., Dean of Women and Assistant Professor.
B.S., University of Oregon, 1926; M.A., University of California, 1947. (1946)
- MOE, SIGRID, Ph.D., Assistant Professor of English (Las Vegas).
B.A., Saint Olaf College, 1923; M.A., University of Chicago, 1928; Ph.D., New York University, 1951. (1956-1957)
- MOOSE, JOE EUGENE, Ph.D., Professor of Chemistry; Dean of the Graduate School; Director of Research.
A.B., Southern Methodist University, 1917; M.S., University of Illinois, 1922; Ph.D., 1924. (1945-1955)
- MORRISON, JOHN W., Ph.D., Associate Professor of English.
B.A., University of Washington, 1937; Ph.D., 1948. (1949-1958)
- MOWRER, ZADA IONA, M.S., Assistant Professor of Health, Physical Education, and Athletics.
B.S., Eastern Illinois State College, 1945; M.S., Washington State College, 1954. (1957)
- NEWBRY, BURTON C., Ed.D., Associate Professor of Education.
B.A., College of Idaho, 1947; M.A., Montana State University, 1949; Ed.D., University of Oregon, 1954. (1952-1956)
- NEYHART, AMOS E., Visiting Lecturer. Professor and Administrative Head, Institute of Safety, Pennsylvania State University.
- OAKLEY, CHAUNCEY WILLISTON, M.Ed., Lecturer in Mathematics.
B.S., Mansfield State Teachers College, Pennsylvania, 1930; M.Ed., Pennsylvania State University, 1936. (1957)
- ORLEANS, JACOB, Ph.D., Lecturer in Psychology.
B.S., City College of New York, 1919; M.A., Columbia University, 1921; Ph.D., Columbia University, 1926.
- ORLUCK, ANNE, M.A., Visiting Lecturer in Elementary Education. Kindergarten Teacher, Seattle Public Schools, Seattle, Washington.
B.A., University of Washington, 1952; M.A., 1954. Graduate work toward doctorate.
- PETERS, HERMAN J., Ph.D., Visiting Lecturer. College of Education, Ohio State University.
- PLUMLEY, ALDEN J., A.M., Associate Professor, College of Business Administration.
B.A., University of Nevada, 1929; A.M., Brown University, 1932. (1931-1953)
- POTTER, DONALD, M.A., Assistant Professor of Secondary Education.
A.B., Colorado State College, 1947; M.A., 1948; Doctoral study, University of Colorado. (1958)
- PUCKETT, JESSIE L., M.A., Visiting Lecturer in Physical Education. University of Oregon.
B.S., M.A., University of Oregon.
- REED, CALVIN HENRY, Ph.D., Associate Professor of Education.
A.B., Peru State Teachers College, Nebraska, 1931; M.A., University of Nebraska, 1937; Ph.D., University of Nebraska, 1949. (1958)

- ROBERTS, JAMES S., Ph.D., Assistant Professor of History and Political Science.
B.S., Harvard University, 1946; M.S., University of Southern California, 1950;
Ph.D., University of North Carolina, 1955. (1956)
- ROBERTSON, JOSEPH H., Ph.D., Professor of Range Management; Range
Ecologist, Agricultural Experiment Station.
A.B., Peru State Teachers College, Nebraska, 1928; M.Sc., University of Nebraska,
1932; Ph.D., 1939. (1947-1956)
- ROELOFS, ROBERT T., Ph.D., Associate Professor of Philosophy.
B.A., Calvin College, 1938; M.A., University of Michigan, 1941; Ph.D., 1953.
(1956)
- RYSER, FRED, JR., Ph.D., Assistant Professor of Biology.
B.S., University of Wisconsin, 1947; M.S., 1948; Ph.D., 1952. (1953)
- SAX, HILARY, LL.B., Lecturer in Business Administration.
B.B.A., University of Toledo, 1940; LL.B., Harvard Law School, 1944. (1958)
- SCHEID, VERNON E., Ph.D., Professor and Dean of Mackay School of Mines;
Director of Nevada Bureau of Mines and Nevada Mining Analytical
Laboratory.
A.B., Johns Hopkins University, 1928; M.S., University of Idaho, 1940; Ph.D.,
Johns Hopkins University, 1946. (1951)
- SAWHILL, CLARENCE EDWIN, M.M., Visiting Lecturer in Music, Department
of Music, University of California, Los Angeles, California.
B.M., Bethany College, 1929; M.M., University of Illinois, 1942.
- SELLERS, MARY H., B.A., Instructor in Psychology and Sociology.
B.A., Mills College, 1945. (1956)
- SHEPPERSON, WILBUR S., Ph.D., Associate Professor of History and Political
Science.
B.S., Northeast Missouri State College, 1941; M.A., University of Denver, 1947;
Ph.D., Western Reserve University, 1951. (1951-1957)
- SILBERMAN, GERALD S., M.A., Lecturer in Mathematics.
A.B., University of California, 1951; M.A., 1953. (1957)
- SMITH, W. A. S., Ph.D., Assistant Professor of Psychology and Sociology.
B.A., University of Redlands, 1952; M.A., University of Pennsylvania, 1954; Ph.D.,
1956. (1956)
- TOMPSON, ROBERT N., Ph.D., Assistant Professor of Mathematics.
B.S., Adrian College, 1941; M.S., University of Nevada, 1949; Ph.D., Brown
University, 1953. (1956)
- TRIPPLE, PATRICIA A., Ed.D., Associate Professor of Home Economics.
B.S., University of Washington, 1946; M.A., Teachers College, Columbia Univer-
sity, 1952; Ed.D., 1955. (1955)
- TUCKER, THOMAS T., JR., Ed.D., Professor of Education.
B.S., Middle Tennessee State Teachers College, 1940; M.Ed., University of Okla-
homa, 1948; Ed.D., 1950. (1955-1958)
- VIETTI, EDWARD M., Ph.D., Assistant Professor of Business Administration.
B.S., University of Utah, 1927; M.S., University of Southern California, 1937;
Ph.D., University of Utah, 1952. (1956)

- WEEMS, ROBERT C., JR., Ph.D., Professor and Dean of College and Business Administration; Director of the Bureau of Business and Economic Research.
B.S., Mississippi State College, 1931; M.B.A., Northwestern University, 1934; Ph.D., Columbia University, 1951. (1956)
- WELLS, HELEN, Ph.D., Associate Professor of Home Economics.
B.S., University of Arkansas, 1943; M.S., 1952; Ph.D., Cornell University, 1958. (1958)
- WHEELER, S. S., M.S., Visiting Lecturer. Biology Department, Reno High School.
B.S., University of Nevada, 1934; M.S., 1935.
- WILLEY, ROY D., Ph.D., Professor of Education.
B.A., University of Wyoming, 1929; M.A., Brigham Young University, 1936; Ph.D., Stanford University, 1940. (1955)
- WILLIAMS, LORING RIDER, Ph.D., Professor of Chemistry.
B.S., West Virginia Wesleyan, 1927; M.S., West Virginia University, 1932; Ph.D., University of Illinois, 1939. (1939-1953)
- WOOD, WILLIAM R., Ph.D., Academic Vice President, Professor and Dean of Statewide Development Program of Higher Education.
B.A., Illinois College, 1927; M.A., University of Iowa, 1936; Ph.D., 1939. (1934-1955)
- WOODS, CHARLES P., M.A., Assistant Professor of Business Administration.
B.A., Michigan State University, 1946; M.A., 1948. (1957)
- WOODS, HERNANDO J., JR., Ph.D., Assistant Professor of English.
B.A., University of South Carolina, 1947; M.A., 1948; Ph.D., University of Florida, 1952. (1957)
- WRIGHT, JOHN S., Ph.D., Associate Professor of History and Political Science (Las Vegas).
B.A., University of Illinois, 1931; M.A., 1938; Ph.D., University of Chicago, 1946. (1956)

THE UNIVERSITY OF NEVADA

The University of Nevada is the only institution of higher learning in the State. It is distinguished by recognized standards of scholarship, approved professional and liberal arts education, intimate student-teacher relationship, and democratic student life. The University of Nevada, including its Southern Regional Division at Las Vegas and other centers, offers many of the advantages of a small institution.

ACCREDITATION RATING

The University of Nevada has been accredited by the Northwest Association of Secondary and Higher Schools continuously since 1938. All credits are subject to full transfer to other accredited institutions of higher education.

In addition to the Northwest Association, the University of Nevada is an active member in the following national professional associations: American Council on Education, Association of Land Grant Colleges and Universities, Department of Higher Education in the National Education Association, National Association of State Universities, the Western College Association, the American Association of Colleges for Teacher Education, the National Council on Accreditation for Teacher Education and Association of American Colleges.

"Provisionally accredited by the National Council for Accreditation of Teacher Education for the preparation of Elementary teachers, Secondary teachers, and School Service Personnel with the Master's degree as the highest degree approved."

HISTORY

The University of Nevada is among the older institutions of higher learning in the Far West.

In 1864, when Nevada became a state, provision was made in the Constitution for a university. Only one other state at that time had this distinction. The University of Nevada first opened its doors in 1874 in Elko, and was moved to Reno in 1886.

In the sixty years since the first four-year class graduated, several thousand men and women have earned their degrees at Nevada, and more than twenty-five thousand others have received academic training there.

Alumni and former students hold responsible positions throughout the United States and foreign countries.

CAMPUS

The campus of the University of Nevada is located in the north residential district overlooking downtown Reno. Within its ninety acres of turf, garden, lake and stream are located thirty-eight buildings housing its classrooms, laboratories, libraries, museums, dormitories, and administrative offices. The campus is one of the show places of the State, and is, by its location and nature, conducive to the promotion of study and research.

The University of Nevada Summer Sessions are unique in setting. The lofty peaks of the Sierra Nevada range and the dramatic desert mountains form a ring around the Truckee River Valley, in which the campus is located.

CLIMATE

The climate of Reno is considered one of the most healthful in the Nation. An altitude of 4,500 feet, little rain, moderate temperatures, cool nights and

warm days, and sunshine nearly every day in the year combine to provide a climatic environment especially adapted to study and to the outdoor activity which insures a balanced student life.

CULTURAL ADVANTAGES

Reno, the metropolis of Nevada, provides many cultural advantages which are available to University students and staff. Students take an active part in the community little theater, the art, the musical, and the literary life of the city, and in the social and religious activities of Reno's twenty-seven churches.

Reno, the crossroads of the West, is easily accessible from any part of the country. Fast trains on the Southern Pacific line stop in Reno, and United, Western, and Bonanza Airlines maintain a full schedule of flights. Bonanza Airlines now has a direct route to Phoenix, Arizona, which connects with southern air lines. Reno is on the transcontinental routes of Greyhound and Burlington bus lines. In addition, excellent highways link Reno with the rest of the country; U. S. 40 passes through the heart of town going from east to west, while U. S. 395, termed the Three Flags Highway, extends from Canada to Mexico.

Famed as the capital of a Desert Empire, Reno is a city of trees, lawns, parks and over 50,000 people. Throughout the center of the city, and under its eleven bridges, roars the Truckee River. Its shopping and amusement facilities have the cosmopolitan flavor of a larger city.

STUDENT-FACULTY RELATIONSHIPS

At Nevada, education centers around the needs of the individual student.

The relationship between student and professors is close, both working together as the student makes progress in University studies. The result is a spirit of academic fellowship which is the essence of true education.

No Nevada student is ever merely a name on a classroll. But on the contrary, the student is regarded as an individual with special characteristics, needs, and problems, as well as abilities which must be nurtured and developed individually rather than in a mass.

Upon the student's arrival on the Nevada campus, he is given a course in orientation to help him become adjusted to his studies and his new social life.

Few universities are able to achieve this personal respect for each student which is the foundation of education at the University of Nevada.

FACULTY

Nevada faculty members are teachers first of all. They are devoted practitioners of one of the greatest of the professions and, in the scholastic world, Nevada is recognized as an institution at which good teaching is stressed.

In addition, Nevada's faculty is known for its scholarship, which goes hand in hand with good teaching.

A number of the University's staff are honored by inclusion in *Who's Who in America*, blue book of achievement in the United States. Others are listed in *American Men of Science*, *Who's Who in American Education*, *Who Knows What*, *Who's Who in Engineering*, *Who's Who Among North American Authors*, *America's Young Men*, *Who's Who in the West*, and similar volumes which recognize distinction in particular fields.

RECREATION

RENO RODEO

The University recesses July 4 so that students and faculty can take part in the colorful Reno Rodeo. This annual event, which attracts thousands of visitors to Reno, sees the whole town go "Wild West." For a month before the actual festivities, chaps, cowboy boots and ten-gallon hats are much in evidence. Parades, special celebrations, and the Rodeo itself, highlight this three-day holiday.

SPORTS

1960 International Olympics

Reno is the gateway to preparations for the 1960 International Olympics, which will be held in February at nearby Squaw Valley. Students will have the opportunity to observe the elaborate preparations that are being made for this great international event.

Swimming

Swimming facilities in the Reno area offer hot or cold water. The cool water can be found at the municipal pool, while hot mineral waters are available for plunges, not far from town.

Horseback Riding

Horseback riding enthusiasts will find an unusually large number of good horses at the many stables in and near Reno.

Golfing

The Washoe County Golf Course offers, along with first-class links, a beautiful view of the mountains surrounding Reno. Student golfers will be interested in the annual Golf Tournament which will attract the Nation's top golfers to Reno in July.

Fishing

For fishing, the Truckee River, which flows through the heart of Reno, is heavily stocked each year. Trout are abundant in all Nevada streams.

Other Sports

Tennis courts are available on the campus and at nearby public parks. Boating, bowling, and archery facilities are also available. Reno and the surrounding countryside are, moreover, exceptionally well adapted for hiking and mountain climbing.

ASSEMBLIES

Special assemblies are held so that students may hear prominent speakers or musical programs, or observe a timely public affair or educational or other general culture and entertainment films.

CALIFORNIA APPROVAL OF UNDERGRADUATE AND GRADUATE WORK TAKEN AT THE UNIVERSITY OF NEVADA

Dr. J. Burton Vasche, Chief, Division of State Colleges and Teacher Education, State of California, has submitted the following statement regarding the approval of the courses taken at the University of Nevada:

The University of Nevada is on the approved list as accepted by the State Board of Education of California for giving both graduate and undergraduate work in connection with meeting credential requirements on direct application to the Credentials Office in California.

Under the new regulations governing the granting and the renewal of provisional credentials, the University of Nevada is an approved teacher education institution and can fill out the regular form 41-27 for persons working on provisional credentials. The institution verifies that the applicant has been accepted for work toward the degree and/or a regular credential and that during the life of his credential he has completed six semester hours of work or 12 semester hours of work, as the case may be, toward that goal. Applicants who receive a provisional credential on less than a bachelor's degree will have a regular blue form 41-27 to present to your Registrar along with a form letter filled out by this office giving the details concerning his credential, its validity dates and the number of hours necessary for him to complete in order to renew his credential.

Persons who already have a degree and are simply meeting specific course requirements or additional work as prescribed by this office, will have a form letter showing the number of hours and the specifics necessary for them to complete. Credit for this work can be carried on a regular transcript from your institution.

GENERAL INFORMATION

ADMISSIONS

Registration for the Summer School of the University of Nevada is accepted from:

- (1) Graduates of approved high schools.
- (2) Adults with ability to do scholastic work on the University level.

No formal admission or matriculation is required of summer school students. Transcripts of credit received in other institutions of higher learning or in high school are desired by the Director of Summer School for advisement purposes. The student seeking such advisement should present such transcripts to the Director at the time of the consultation.

Registration for the Summer School does not imply admission to either of the regular semesters or matriculation to the University. Information regarding such admission may be obtained from the Director of Admissions, University of Nevada, Reno. Summer School students are governed by all regulations as stated in the official catalogue of the University and pay fees as described in the section of the catalogue entitled *Financial Information*.

With the consent of the Committee on Scholastic Standing a suspended student may enter the Summer School at the University of Nevada and may be considered for readmission in the following fall semester if he has earned at least eight credits and a grade-point average of 2.0 or better in those summer sessions.

CREDITS

Undergraduate students may gain a maximum of six or seven credits in the main term. Students are limited to a total of eleven credits for the entire Summer Sessions of June 8-August 14. Five and six credits are considered the normal load and are equivalent to approximately fourteen and seventeen hours, respectively, in a fall or spring semester. A graduate student may earn six credits in the Main Summer Session.

All courses listed are for University credit and hence may be applied toward graduation. Any student who is accumulating credit for a University degree should consult with the dean of his college before completing registration.

Credit toward any University degree will be granted only after the student has met all requirements for admission and matriculated at the University of Nevada. Any student who plans to apply credits toward a University of Nevada degree should file with the Director of Admissions proper application forms, official transcripts from each college attended, and pay the proper evaluation and matriculation fees. When admitted as a regular student to the University, a copy of the evaluation of acceptable transfer credit is filed with the appropriate College Dean, Adviser and Registrar for advisement purposes. Payment of the matriculation fee authorizes the Registrar to make a permanent and accumulative record of all credit earned by the student.

All courses are accepted by the Nevada State Board of Education for renewal certificates, for validation of out-of-state certificates, and for life diplomas.

THE BACHELOR'S DEGREE

Many regular students at the University continue their work toward a degree during the summer months. By attending ten weeks, the good student is able to complete the four-year course in three and one-half years. Some students elect to attend three summers and thereby spend but three years in residence at the University.

The College of Arts and Science and the College of Education which enroll the major portion of the Summer School students require 128 semester credits for graduation. Forty of these must be upper division work and carry course numbers 300 or above.

Freshmen or sophomore students electing to take any course numbered 300 or above in the summer terms must gain the permission of the instructor in charge and have the approval of the Director of Summer School.

GRADUATE STUDY

Each summer term has a large enrollment of graduate students. To pursue work on the graduate level it is necessary, first, that the student has been graduated from an accredited university or college; second, that the student register for courses which carry graduate credit; and third, that an agreement has been reached between student and instructor relative to the additional work required to gain graduate credit.* Ordinarily, students should not enroll for more than six hours of graduate credit, including thesis, during the main term.

Students enrolling in the University for graduate credit should not expect to complete all of their course work by attendance in summer sessions. The only possible exception to this statement is the College of Education.

Any student expecting to use credit gained in the summer session toward advancement to a master's degree at the University of Nevada should have consulted with the chairman of the department concerned before the day of registration. Some departments of the University do not accept candidates for the master's degree; others do. It is evident, therefore, that before attending

*Students failing to register properly for graduate credit will be considered as taking the course for undergraduate credit. All "300" courses taken by graduate students carry graduate credit. Students who are within 15 credits of meeting undergraduate degree requirements may enroll for graduate credit. See the official University Catalogue for details.

summer sessions with the idea of eventually gaining the master's degree from the University of Nevada, the student should confer with the chairman of the department in which he expects to do his major work. Otherwise, the student will have no assurance that credit gained will actually be applied toward the degree.

Any student having made plans with the chairman of the department to pursue graduate work should then apply to the Dean of the Graduate School for final admission.

Students wishing to do graduate work in order to use such credit for certification in this or some state other than Nevada or to advance toward a master's degree in some other state need not consult either the chairman of the department or the Dean of the Graduate school.

Courses numbered 300 or above may be taken for graduate credit provided the department has given approval and proper registration has taken place. For further information concerning graduate work at the University of Nevada consult the University of Nevada catalogue or write to the Dean of the Graduate School.

GRADUATE DEGREES OFFERED

The University offers graduate courses leading to the advanced degrees of the Master of Arts (M.A.), Master of Science (M.S.), and Master of Education (M.Ed.).

Both the Master of Arts and Master of Science Degree programs require the satisfactory completion of a six-credit research thesis, and are awarded upon the successful completion of twenty-four semester credits of graduate work and a thesis. The Master of Education Degree, a professional nonthesis degree, is awarded upon the successful completion of thirty-two semester credits of graduate work, including a two-credit professional paper. Details of these programs and suggested curricula forms are available on request.

REGISTRATION FEES

The fees charged at the University of Nevada are exceptionally low. In fact, there is probably no school in the West which a student may attend where fees are less.

†Fees are as follows (for *each* term):

Student Union Fees—50 cents for short sessions and \$1 for sessions of three or more weeks.

Resident—\$10 per credit.

Nonresident—\$12 per credit.

Auditor—\$7.50 per credit.

Late Registration—Levied only when registration is not completed prior to the third class day of the term, Wednesday, June 24. All students must be enrolled prior to the second day of the short sessions.

Refund of Registration Fees—Three-fourths refund during the first twenty percent of the class sessions; one-half refund will be made during the next twenty percent of the sessions. No refund will be made thereafter. (See withdrawal below.)

AUDITORS

A student may enroll as an auditor in any course provided he has the permission of the instructor. Auditors may not change to a credit basis after the first twenty percent of the class meetings of the session; nor may a student

†Subject to change by Board of Regents.

change from credit to audit status after the midterm date of the session, unless he is receiving a passing grade in the course. No reduction of fees for changing from credit to audit is permitted. Audited courses are considered as a part of the total registered load of the student.

VETERAN BENEFITS

To secure educational benefits, write or apply in person to the nearest office of the Veterans Administration. A copy of your discharge or separation from service must be submitted to the Veterans Administration along with the application for Education and Training Form 7-1990, which is secured from the Veterans Administration. Upon your acceptance the Veterans Administration will issue Form 7-1993, Certificate for Education and Training, which is presented to the University at the time you register.

In order to receive subsistence allowance for dependents, a veteran must provide the Veterans Administration with a certified copy of the public record of his marriage and certified or photostatic copies of birth certificates for his children.

In order to insure receipt of checks on time, any changes in address should be recorded promptly with the Office of Student Affairs. Before a veteran can receive subsistence for courses taken, these courses must be verified as requirements for a degree plan. The Veterans Administration has an Advisement and Guidance Section at 1000 Locust Street. For information on this service and other questions about your benefits call the Education and Training Section, Veterans Hospital, FA 2-3491.

Korean veterans will receive a subsistence allowance of \$110 for no dependents, \$135 for one dependent, and \$160 for more than one dependent, and is provided on the basis of the following class sessions for undergraduates and noncandidate graduates:

14 or more class sessions per week.....	Full-time subsistence
10-13 class sessions per week.....	¾-time subsistence
7-9 class sessions per week.....	½-time subsistence
Fewer than 7 class sessions per week the Veterans Administration will pay only the fees, no subsistence.	

For veterans who are graduate candidates, the requirements for subsistence allowance are as follows:

9 class sessions per week.....	Full-time subsistence
7-9 class sessions per week.....	¾-time subsistence
5-7 class sessions per week.....	½-time subsistence
Fewer than 5 class sessions per week...Fees only, no subsistence	

In order for the veteran to qualify as a graduate candidate student, he must present to the Veterans Administration at the time of registration a card signed by Dean Moose certifying that he is a candidate for graduate degree.

Veterans of the Korean War pay their own tuition, fees, etc., and purchase their own books and equipment.

The Office of Student Affairs acts as coordinator for Veterans Affairs.

APPLICATION FOR GRADUATION

At the beginning of the final period in which he expects to be graduated, each student must file an application for graduation. Forms are available in the offices of the deans of the colleges. A fee of \$3 will be charged if the

application is filed later than the first ten days of the semester or summer session preceding graduation. No application for graduation will be considered after December 15, March 15, and July 1, in the semester or summer session immediately preceding graduation.

GRADE REPORTS

Instructors should file in the Registrar's Office grade report sheets (one sheet for each class) and corresponding class cards for each student not later than Saturday, 12 noon, following the close of each summer session.

TRANSCRIPT OF RECORD

Upon the request of a student in good standing, the Registrar's Office will issue a transcript of record to such student or to such person as he may authorize. Final grades or transcript of record will not be issued for any student who has outstanding debts to the University of Nevada nor will subsequent registration be permitted.

A fee of \$1 must be paid in advance for one transcript of record furnished to a student by the Registrar. When two or more transcripts of record are requested at one time, each additional transcript is fifty cents.

WITHDRAWAL OR CHANGE OF PROGRAM

Procedures

To make any change of registration or to withdraw from the University the student must secure the proper card from the Registrar's Office, the signature of each instructor, and the approval of the Director of the Summer School and the Dean of the College (if applicable). The card must then be returned at once by the student to the Registrar's Office. The date of withdrawal shall be the date on which the completed form is filed.

Adding a Course; Withdrawal From a Course

A course may be added during the first week of instruction in the Long and Main Sessions, or during the first two days of the First and Post Sessions. No course may be added thereafter.

A student may withdraw from a course at any time up to and including midterm date of the session. The withdrawal shall be recorded as a W if officially executed. No withdrawal will be permitted after midterm except for illness, accident or similar emergencies.

Withdrawal From the University

If the student desires to withdraw from the University prior to midterm of the session, the withdrawal, if properly executed, will be recorded as W. After midterm of the session if the instructor reports the student passing, a record of W will be recorded. If the instructor reports the student as not passing, a grade of WF will be recorded. The mark WF shall be treated as an F in the record.

If the student withdraws from one session, and is currently enrolled in another, he is considered to be dropping courses not withdrawing from the University. This governs possible refunds. (See Refund of Registration Fees.)

ROOM AND BOARD

Men's and women's residence halls will be open to all students who are registered for the minimum number of credits for each session. The rooms are furnished, including bed linens and blankets.

Students who wish to reside in University residence halls are required to contract for room and board at a cost of \$28.50 per week. Meals are served in the University Dining Hall, Monday through Saturday.

There are no single rooms. Those desiring to occupy double space alone will be charged an additional \$5 per week.

Application must be made on forms provided by the University of Nevada, Office of Student Affairs, Sam M. Basta, Dean.

Students living off-campus may arrange to secure meals at the University Dining Hall.

ROOM AND BOARD APPLICATIONS

The Residence Hall contract may be secured from the office of Student Affairs. The contract must be accompanied by a deposit of \$28.50. The unpaid balance for the session is due and payable not later than third day after registration. Checks are to be made payable to the Board of Regents, University of Nevada.

ROOM AND BOARD REFUNDS

If withdrawal is made during the first third of a session, refund of one-half the room rent will be made; after that time, no room refund may be made. Four-fifths of all unexpended dining hall fees will be refunded at any time of withdrawal from the University.

FAMILY ACCOMMODATIONS

Family accommodations may be available on the University campus in a new married housing project. A limited number of family accommodations may be listed with the Office of Student Services, 111 Jot Travis Student Union Building.

A limited number of rooms for married couples without children will be available in one of the women's residence halls at the board and room rates quoted above. Facilities are such that children cannot be accommodated.

OUT-OF-STATE TEACHERS

Each summer, teachers employed in Nevada for the first time attend the University Summer School to become acquainted with Nevada school conditions and to validate their certificates for Nevada.

State law or State Board of Education Regulations require all teachers of Nevada either to receive University credit for, or to pass state examinations in, School Law and Organization and the Constitutions of the United States and Nevada. These three courses are offered in the second term. Any teacher, in-state or out-of-state, uncertain of his certification status, should contact the Certification Clerk, Department of Education, Carson City, to learn what specific requirements he must meet.* He will then know the courses he should select in the summer terms.

FEATURED CONFERENCES, WORKSHOPS, AND SHORT COURSES

To supplement the regular academic course offerings of the University of Nevada Summer School, there have been organized several workshops, con-

*This information should be acquired before the date of registration.

ferences, short courses, and special features to provide opportunities for concentrated study in specialized areas.

National and state authorities will participate in these programs to enable students to obtain assistance in finding direct and positive answers to practical problems. These programs are a part of a long-term plan to provide specific assistance for teachers, supervisors, and administrators in all basic areas of instruction. Many of these programs have been organized to be completed during the two-week *First* session in June, and the two-week *Post* session in August in order to accommodate students who wish to carry a full academic program during the *Main* session. Arrangements have been made for students to enroll for either audit or credit. Several of the programs are open without charge as professional contributions of the University of Nevada to those who wish to attend as observers or visitors. Inquiries are encouraged from all interested persons.

FIRST SESSION

PHI DELTA KAPPA LUNCHEONS

Arrangements have been made to hold a weekly luncheon of Gamma Psi Chapter members and guests, Tuesday, 12 noon to 1 p. m., on or near the campus. President William Schultz has announced that the luncheons will feature Phi Delta Kappa members doing research, and guest professors. Thirty-minute professional discussions will be presented on a national, state, or local issue in public education. Further details concerning the program of the newly organized Gamma Psi Chapter of Phi Delta Kappa will be announced soon. The guest lectures in 1958 were described as stimulating and very outstanding in content.

EDUCATIONAL BOOK AND MATERIALS EXHIBITS

June 16-17, July 6-7; Ross Hall

Book and professional magazine exhibitors have been invited to exhibit their respective publications on tables set up in room 106, Ross Hall, June 16-17. The exhibit will display the latest publications and teaching materials, including audio-visual equipment for schools. An invitation is extended to all interested persons to examine these materials beginning on Tuesday, June 16. The audio-visual materials exhibit will be held on July 6-7 under the direction of Dr. Lloyd Drury.

AVIATION EDUCATION CONFERENCE-WORKSHOP

June 8-19

The College of Education, the Civil Air Patrol, and the Link Foundation will co-sponsor the fifth annual aviation education conference-workshop. Plans have been approved for an experimental course to be conducted at an out-of-state air base, one which would allow the participants to get actual experience in areas of particular interest. Because of the experimental nature of the workshop, enrollment will be limited to *ten* students. Scholarships will be provided by the Link Foundation which will be designed to cover living expenses during the course, and transportation will be provided to and from the air base.

The primary purpose of this course is to provide teachers with a knowledge of some fundamentals of aviation so that they may make better use of them

in their teaching. The course is designed for, and of equal value to, teachers of all levels. With the advances made in aviation, and with the increasing knowledge of students, kindergarten teachers and high school teachers alike should expand their knowledge of this important field. A technical knowledge of aviation is not required for admission.

The following basic areas are representative of those to be stressed: the airplane—how and why it flies, power for flight, civil aviation, military aviation, weather and aviation, aerial navigation, communications and controls, and airports. Included in the class will be flight demonstrations, airport visits, film presentations, orientation flight experiences, experience with Link Trainers, and individual curriculum studies. Write to Dr. Burton C. Newby for further details.

THE JOT TRAVIS STUDENT UNION

The Jot Travis Student Union was opened in the fall of 1958 and is available to students, faculty, and staff. A snack bar, in which grill and fountain items are served, is operated on a daily schedule. The ASUN Bookstore is also located in the building and operates on a regular schedule. Students and faculty members are welcome to use the lounges and meeting rooms. For reservations and information come to Room 111 or phone FAirview 2-3539.

SEMINAR IN SECONDARY SCHOOL ENGLISH

June 8-19

The course will include lectures, discussion groups, and cooperative studies of problems in the teaching of composition, language, and literature in the secondary school. Topics anticipated include new approaches to grammar, devices of rhetoric, spelling, linguistics, the handling of writing assignments, methods and standards of literary criticism, and selection of materials for literature courses; participants will have an opportunity to suggest subjects for discussion.

Conducting the seminar will be Dr. Robert M. Gorrell, Professor and Chairman of the Department of English and author of textbooks on composition and rhetoric, and Dr. Charlton Laird, Professor of English, author of texts and studies of language and literature, and for two years visiting professor for the University of Oregon summer workshop in the teaching of English. A teacher of secondary school English will share in the direction of the course and act as special consultant.

SIXTH ANNUAL COACHING SCHOOL AND CLINIC

June 15-19

Dr. Art Broten, Chairman of the Department of Health, Physical Education, and Athletics, will supervise the Sixth Annual Coaching School and Clinic, on June 15-19, with three nationally known coaches in football, basketball, and track, as lecturers. This annual event has become one of the outstanding traditions of the University of Nevada. Between 200 and 300 coaches usually attend these exceptionally outstanding programs each summer.

Coach Forest Evashevski, Head Football Coach at the State University of Iowa, and Coach of the 1959 Rose Bowl champions, will conduct the sessions pertaining to football. Fred "Tex" Winters, Kansas State College, has been selected for the sessions concerning the effective coaching of basketball. Former coaches who have participated in these clinics include Jim Tatum, Maryland;

Charles J. Wilkinson, Oklahoma; Henry Iba, Oklahoma State; Red Sanders, Southern California; Adolf Rupp, Kentucky; Forest Anderson, Michigan State; Bobby Dodd, Georgia Tech.

Enrollments will be by credit or audit status in P. E. 499 at a fee of a minimum of \$20 for resident students and \$24 for nonresident students. Registration will be held in the New Gymnasium, on June 15, at 8 a. m. Sessions will be held morning, afternoon, and evening daily, Monday through Friday.

Students may repeat the coaching clinic course for credit only once. Either undergraduate or graduate credit may be obtained. However, students who wish to obtain graduate course credit must bring official transcripts at the time of registration. These official transcripts will indicate the academic status of the person wishing to enroll for credit.

For further details, write or see Dr. Art Broten, Chairman.

CONFERENCE-WORKSHOP ON READING IN THE CONTENT AREAS IN THE ELEMENTARY SCHOOL

June 8-19

The schedule will be differentiated to meet the needs of teaching reading in the content subjects; e.g., arithmetic and social studies. The workshop is especially for those who have not had specific courses in reading, for those who have long recognized that reading should be taught *all day long* in addition to separate periods set aside for reading instruction, and for those who desire to know more about "Individualized Reading" procedures.

WORKSHOP-CLINIC ON THE EDUCATION OF THE GIFTED CHILD

June 22-July 31

Students registered for this workshop will be given the opportunity to observe from 12 to 20 gifted children in action in a classroom under the direction of an experienced teacher in the field. In this clinical setting, credit will be given for the study of "Problems in the Education of the Gifted." Specific attention will be given to a consideration of educational programs and procedures to develop stimulating environments for the maximum development of gifted or superior children and youth.

CONFERENCE-WORKSHOP ON SCHOOL ADMINISTRATION PROBLEMS

June 8-19

The theme for the annual conference-workshop in School Administration will be "The Administrator's Role in Curriculum Improvement." Dr. Earl Douglass, former Dean of the College of Education at the University of Colorado and nationally known authority in the field of curriculum, particularly on the junior and senior high school level, is scheduled to discuss the above topic for the first week. Educators will recall that Professor Douglass has had published a large number of books in the field of curriculum and administration.

An attempt will be made to correlate this conference with the efforts of the State Department of Education to improve the curricula of the public schools through the media of the newly developed State courses of study, and the proposed development of curriculum guides. Particularly, emphasis will

be placed on the important role of the teacher in effecting administrative proposals for curriculum improvement.

Superintendents, principals and teachers should find this conference-workshop of particular value due to the timeliness of the theme for the conference. Students should enroll in the course Sch. Adm. 586, Problem Areas in School Administration.

Dr. T. T. Tucker, Chairman of the Department of School Administration and Supervision, will be in charge of the conference-workshop.

NSF SUMMER INSTITUTE FOR HIGH SCHOOL PHYSICS, CHEMISTRY, AND MATHEMATICS TEACHERS

An eight-week summer institute for high school teachers of physics, chemistry, and mathematics will be held on the University of Nevada Campus beginning June 22 and ending August 14. The institute is being sponsored by the National Science Foundation for participants now teaching one or more of the above-named subjects in high school but with a need for further training in these areas. This program is part of a nation-wide effort by the NSF to provide more and better-trained scientists in order that we can compete with other countries in new scientific developments for use in both war and peace. The NSF is willing to reimburse selected high school teachers for money which they might otherwise earn at a summer job. The fifty carefully selected participants will receive a stipend of \$75 per week plus allowance for books, fees, travel, and dependents.

The major objectives of the institute are:

1. To broaden the background of high school science teachers who are required to teach courses in more than one of the fields of science and mathematics.
2. To bring them up to date in terms of recent developments and trends in all of these areas, and
3. To acquaint them with new developments in and sources of materials for the teaching of science.

The institute will consist of the three courses, physics 192 (3 semester credits), chemistry 192 (3 semester credits), and mathematics 192 (2 semester credits). These are special courses designed to broaden the background of the high school teacher and bring him up to date in new trends and developments in these fields. The keynote of the program will be flexibility to fit the needs and academic backgrounds of the individuals. Because instruction is to be offered in three areas, the previous training of the participants in any one field is expected to vary widely; therefore, the size of the classes will be limited not only to provide better student-professor contact but to permit a certain amount of grading as to material and rate of coverage within the group as a whole.

Strong preference will be given to persons who, because of the small size of their school, are now teaching high school courses in two or more of the fields of physics, chemistry, mathematics, and general science. High school teachers of physics, chemistry, and mathematics who hold a bachelor's degree with teaching major in any of the sciences (including the biological sciences) are invited to apply for stipends. Correspondence regarding the NSF Summer Institute including general information and applications for stipends should be addressed to Dr. George Barnes, Director of NSF Summer Institute, Physics Department, University of Nevada, Reno, Nevada.

All stipend applications must be received or postmarked on or before February 16, 1959. Stipend announcements will be made on March 16 with the understanding that recipients have until April 1, 1959 to accept or decline.

CONFERENCE-WORKSHOP

Strengthening the Home, Source of a Nation's Greatness

June 15-19

Dr. Calvin H. Reed, College of Education, and Mrs. Genevieve Pieretti, State Vocational Home Economics Supervisor, will conduct a one-week conference-workshop on Family Living, June 15-19 in the Sarah Hamilton Fleischmann School of Home Economics. The conference-workshop will be sponsored jointly by the College of Education and the Nevada Congress of Parents and Teachers.

The outline of the program follows:

Conference

June 15-16. Outstanding authorities will discuss critical issues affecting home and family living. Designed for Parent-Teachers Association leaders, adult and homemaking leaders, ministers, home extension agents and others interested in improving family living.

Workshop

June 17-19. Intensive training in techniques and methods of organizing and leading study-discussion groups in parent and family life education.

Further details available from Calvin H. Reed, College of Education, or Mrs. Genevieve Pieretti, State Department of Vocational Education.

WORKSHOP-CONFERENCE COURSE IN ELEMENTARY AND HIGH SCHOOL CLUB AND ACTIVITY LEADERSHIP

June 8-19

Dr. Harry C. McKown of Gilson, Illinois, will again conduct a two-week conference-workshop for teachers and administrators who have the responsibility for directing elementary and high school clubs, activities, student councils, and noninstructional type programs, June 8 to 19. This program has been established at the request of Mrs. Byrd Sawyer of Churchill County High School and several teachers and administrators concerned in the maximum development of our elementary and high school young people through these experiences. Dr. McKown will provide practical assistance and discussions to enable the teacher and administrator to deal most effectively with student council and activity responsibilities. He will bring his own library of books, bulletins, magazines, programs, etc.

Dr. Harry McKown is a nationally known educator, author, lecturer, and editor of the *School Activities* magazine. He has served as professor of Education at the University of Pittsburgh and during summer sessions at the Universities of Washington, Pennsylvania, Florida, and Boston. He has also served as education specialist for the United States Department of State in Germany. He is author of many textbooks dealing with school clubs, commencement activities, home room guidance, character education, student councils, the junior citizen, and audio-visual education. He has been very popular as a public school and commencement speaker. The University of

Nevada is indeed fortunate to have such a national authority as Dr. McKown to provide leadership and assistance in the area of high school and elementary school activity programs.

For further information regarding the workshop and course, Secondary Education 456, Noninstructional Responsibilities of the Teacher, two semester credits, June 8 to 19, one should write to Mrs. Byrd Sawyer, Churchill County High School, Fallon, Nevada; or to Dean Garold D. Holstine, Director, University Summer School, University of Nevada, Reno, Nevada.

WORKSHOP-CONFERENCE IN BUSINESS EDUCATION

June 8-19

Dr. Edward M. Vietti, Associate Professor in Business Administration and Adviser in Business Education, will conduct a two-week workshop for administrators and teachers of business subjects, June 8-19.

Among leaders in Business Education who will participate in the workshop-conference are Dr. S. Joseph DeBrum of San Francisco State College and co-author of the textbook, *General Business*; Dr. Marion M. Lamb of Sacramento State College and author of *Your First Year of Teaching, Your First Year of Teaching Typewriting, Your First Year of Teaching Shorthand and Transcription*, and co-author of *Word Studies*; and Dr. Robert J. Thompson of South-Western Publishing Company and visiting lecturer and summer workshop, Stanford University, 1958.

The workshop-conference will be held from 9 a. m. to 12 noon daily. Two semester hours of credit will be given in Secondary Education 552.

Direct inquiries to Dr. Vietti for further details.

WORKSHOP-CONFERENCE IN CONSERVATION EDUCATION

June 8-19

Mr. Sessions Wheeler of Reno High School will conduct another effective workshop in conservation, dealing with the conservation of our forests, ranges, wildlife, soil, and water. The conference will emphasize the fundamental principles of conservation as they are applied to school situations.

State and federal conservation agencies will provide outstanding lecturers in each field of conservation. Field trips, sponsored by the United States Forest Service and the Nevada Fish and Game Commission, will be made into the Sierra Nevada to observe conservation problems and to visit fire lookout stations and fish hatcheries. Curriculum materials for use in both elementary and secondary schools will be developed for teachers and administrators.

It is suggested that further inquiries be sent to Mr. S. S. Wheeler, Biology Department, Reno High School.

GREAT ISSUES IN EDUCATION

(Dates to be arranged)

Plans have been made to introduce a new discussion program entitled *Great Issues in Education*, during the six-week session. The program is sponsored by the Great Books Foundation, 37 South Wabash Avenue, Chicago 3, Illinois. Basic guide for the seminar type of discussion consists of readings and discussion materials in three volumes. These readings consist of both classical and contemporary statements by educational leaders, such as Aristotle, Comenius, Plato, Dewey, Spencer, Palmer, Adams, and participants in the 1955 White House Conference on Education. The major purpose of the program is to

provide an occasion for free and open communication of fundamental issues in education and to deepen the understanding of parents, teachers, and students. Constructive and positive approaches to the solutions will be explored.

MAIN SESSION

June 22-August 1

BIOLOGICAL FIELD STUDIES

Two-Week Sessions, Beginning June 21

Two semester units of credit may be earned by students enrolling in Biology 200, Field Studies in Biology, at the University of Nevada and attending the intensive course conducted by the Audubon Camp of California at Norden, near Donner Summit. Mr. William Goodall, Pacific Coast representative of the Audubon Society, will direct the 1959 camp, assisted by a staff of expert teacher-naturalists. The camp cost is \$103 per two-week session for board, lodging, instruction and transportation on all field trips and to and from nearest train or bus stations at appointed times of arrival and departure. Students who wish to enroll for credit at the University of Nevada will pay the regular fees for two credits of course work. Campers are comfortably housed in frame buildings with ample lavatory facilities, electric lights, and hot water. Abundant, well-cooked meals are served in attractive quarters at the Sugar Bowl Lodge in the High Sierra. For details write to the National Audubon Society, 2426 Bancroft Way, Berkeley 4, California.

Through daily field trips in small groups (under expert leadership) to mountain peaks and meadows, deserts, lakes and streams, campers learn to know the world around them; become aware of the interdependence of all living things and their relation to soil, water, rocks and weather; gain techniques for presenting this knowledge in a lively and fascinating manner in their own teaching and leadership situations. Here, with "fun while learning" as its watchword, is true conservation education.

Each session is limited to 50 persons. The sessions are as follows: June 21-July 4; July 5-July 18; July 19-August 1; August 2-August 15; and August 16-August 29.

A scholarship for \$103 will be granted to one qualified person. Students should write to Dean Garold D. Holstine for details.

WORKSHOP-CLINIC IN SPEECH CORRECTION

June 22-July 31

A clinic for children with speech problems will be conducted in conjunction with a course in Speech Correction, Speech 412, which will be taught by Dr. Bernard A. Anderson of the University of Nevada Speech and Drama staff. The Speech Clinic will run four weeks, beginning July 6, and will be under the supervision of Miss Mickey Barrow, Speech Therapist for the Nevada Society for Crippled Children and Adults.

This program is planned primarily for teachers who want to help in meeting the speech problems that arise in their own classrooms. The clinic will provide an opportunity to see remedial and diagnostic techniques demonstrated as well as an opportunity to do actual work with the speech handicapped children under professional supervision. No prerequisites are required. The course may be taken for two or three credits.

For additional information, interested students are urged to write or contact Dr. Bernard A. Anderson, or the Director of Summer School.

WORKSHOP—CONFERENCE FOR RURAL TEACHERS AND ADMINISTRATORS

June 22—July 31

Mrs. Roger Frugoli, successful rural school principal and teacher in Washoe County, will conduct a course designed specifically for rural teachers and supervisors of one-room rural schools on June 22-July 31. The title of the course is Elementary Education 356, Organization and Management of Rural Schools. Mrs. Frugoli will utilize many resources in presenting a comprehensive study of rural education, including a critical analysis of the aims of rural education, the daily program, pupil promotion, effective procedures in securing quality instruction, improvement of school grounds and facilities, school-community relationships, and other factors pertaining to high quality instruction in the one- and two-room rural school. School-community relationships and special services provided by the rural school will also be emphasized by Mrs. Frugoli.

PHYSICAL EDUCATION WORKSHOPS

June 22—July 31

The Department of Health, Physical Education and Athletics will conduct workshops in Golf, Tennis and Dance during the summer of 1959. In addition to the above listed areas, a physical education seminar will also be conducted.

Miss Betty Hicks, 1941 National Women's Golf Champion, will conduct the golf sessions. Miss Hicks has taught summer sessions at the University of Wisconsin, State University of Iowa and the University of Oregon. She is currently the Head Golf Professional at Los Coyotes Country Club, Buena Park, California.

Miss Jane Harris, Assistant Professor of Physical Education at Washington State College, will conduct the dance sessions. Miss Harris has conducted numerous dance workshops in the Pacific coast areas, and is the co-author of "Dance Awhile."

Miss Jessie Puckett, Associate Professor of Physical Education at the University of Oregon, will conduct a seminar in Physical Education. Miss Puckett is in charge of the Major Training Program at the University of Oregon. Prior to coming to the University of Oregon, Miss Puckett was head of Women's Physical Education Department at Central Washington College.

Workshop Schedule

Dance: Folk, Square, and Social—June 22-July 3, 2 credits.

Golf—July 6-10, 1 credit.

Tennis—July 13-17, 1 credit.

Physical Education Seminar—July 20-31, 2 credits.

POST SESSION
DRIVER EDUCATION WORKSHOP FOR TEACHERS
AND ADMINISTRATORS

August 3-14

Dr. Amos E. Neyhart, Professor and Administrative Head, Institute of Public Safety, Pennsylvania State University, and Consultant on Driver Education, American Automobile Association, will return to the University of Nevada campus again to conduct two courses in Driver Education. Secondary Education 358 and Secondary Education 358a will provide instruction for both beginning and advanced students. The 40-hour workshop, August 3-14, is designed to prepare in-service teachers to offer approved courses in Driver Education in high schools. These two semester credit courses meet the State requirements for a teacher's certificate in Driver Education. The Driver Education Workshop will be under the general supervision of Mr. Fay I. Wallace, State Supervisor of Driver Education, State Department of Education, with the cooperation of the American Automobile Association and other groups interested in safe driving.

WORKSHOP IN IRRIGATION AND DRAINAGE FOR
AGRICULTURAL WORKERS

August 18-22

Irrigation Specialists from the staff of the University of Nevada, Agricultural Research Service, and others will conduct an Irrigation Study Program in cooperation with Howard Christensen, Teacher Trainer of Agricultural Education, University of Nevada.

The course will include field studies as well as practical demonstrations.

Daily sessions will be held from 8 a. m. to 4 p. m. All interested persons are invited to attend.

Students wishing credit should enroll in Education 550, Workshop in Agricultural Education, for 1 credit.

Professor Christensen will have general charge of the arrangements, and any requests for information should be sent to him.

WORKSHOP IN VOCATIONAL EDUCATION

August 24-28

The annual Workshop in Vocational Education for all Nevada vocational teachers and administrators will be held in the College of Education, Ross Hall, and Sarah Fleischmann School of Home Economics Buildings, August 24-28, in cooperation with the Division of Vocational Education of the State Department of Education. Mr. John Bunten, Director of Vocational Education, has announced that the following resource people will serve as conference leaders:

Dr. John Linn, Associate Professor of Business Education, San Francisco State College, will serve as leader for the Distributive Education Section.

Dr. John Walsh, Chief, Trade and Industrial Branch, United States Office of Education, will lead the Trade and Industrial Division Section.

Dr. Patricia A. Tripple, Associate Professor of Home Economics, Sarah Fleischmann School of Home Economics, University of Nevada, will serve as workshop leader in the Home Economics Section.

Mr. John Bunten, Director of Vocational Education, State Department of Education, and Mr. Howard Christensen, Assistant Professor of Agricultural Education, Max C. Fleischmann College of Agriculture, University of Nevada, will serve as leaders of the Agricultural Education Section.

Students who wish to enroll for one semester credit of either undergraduate or graduate work may secure approval from the person in charge of the workshop group and the Director of Summer School.

Further details may be obtained by writing to the Director of the 1959 Summer School, or to Mr. John Bunten, State Director of Vocational Education, State Department of Education, Carson City, Nevada.

NATIONAL ASSOCIATION FOR STUDENT-TEACHING WORKSHOP

August 19-26

The University of Nevada Summer School will be host to the annual professional workshop of the National Association for Student Teaching, affiliated with the American Association of Colleges for Teacher Education, August 19-26. The workshop, with the theme "Readiness Factors Determining Progression in the Professional Sequence," will bring more than 150 outstanding educators and their families to the campus from laboratory schools, affiliated schools, teachers colleges, state universities, and state departments. The Director is Dr. Chester S. Williams, College of Education, University of Oklahoma. He will be assisted by various committees at the University of Nevada, with Dr. Burton C. Newbry as local arrangements chairman.

The keynote speaker is Dr. John U. Michaelis, College of Education, University of California. Dr. Helen M. Reed, College of Education, University of Kentucky, is President of the Association, and Dr. Alfred C. Moon, Iowa State Teachers College, is the Executive Secretary. Further details may be secured by contacting Dean Garold D. Holstine, Director of the Summer School.

Registration fees are \$15 for each member and \$5 for each additional person accompanying the member and should be sent to Dr. Chester Williams. Living accommodations at the University will be \$30 for each workshop registrant and each person over twelve years of age, and \$22 for each child under twelve years of age.

Problems to be considered in the A. S. T. Workshop include:

Professional Sequence

What philosophical and psychological evidences support the contention that a professional sequence is desirable?

What are the appropriate facets of a professional sequence? How are they discoverable? What criteria should be employed?

What is the relationship of professional laboratory experiences to other important aspects of the professional sequence?

Readiness Factors

What are essential factors involved in the determining of readiness?

What is the relationship of maturation to readiness?

By what means are these factors determined?

Who should be responsible?

Progression

Is it possible for a student to move forward more rapidly in certain areas of the professional sequence than in others?

If so, can we defend the device of college "classes" in the usual sense?

DESCRIPTION OF COURSES

ACCOUNTING

- 101
- Elementary Accounting I**
- (3 + 2) 4 credits

Accounting cycles, journalizing, posting, adjustments, statements, closing, proprietorships.

ANTHROPOLOGY

- 357
- Cultural Anthropology**
- (2 + 0) 2 credits

An historical approach to cultural theories illustrated by representation studies from the major cultural areas of the world. Prerequisite: Soc. 201 or 211.

ART

- 105
- Design**
- (0 + 4 or 6) 3 credits

Problems in using natural and historic motifs in both two and three dimensional design. Laboratory practice in the creative use of design, color, theory, and their application of crafts, architecture, and industry.

- 115
- Art Appreciation**
- (2 + 0) 2 credits

Lectures and slides. Course to illustrate the place of art in social and cultural life, past and present. Planned to give an intelligent appreciation of the visual arts by logical analysis and criticism of painting, sculpture, and architecture.

- 251-252
- Water-color Painting**
- (0 + 6) 3 credits

The technique and handling of water color in still life and landscape.

- 326
- Teaching of Elementary Art**
- (1 + 3) 2 credits

(Same as El. Ed. 326) Techniques of handling art media—finger paint, clay, easel paint, chalk, water color, etc. Planned especially for students preparing to teach in the elementary schools. Prerequisite: Art 101 or equivalent.

- 351-352
- Advanced Water-color Painting**
- (0 + 6) 3 credits each

Comprehensive problems in the technique and application of aqueous media. Prerequisite: Art 251-252.

BIOLOGY

- 200
- Field Studies in Biology**
- 2 credits

Field Studies in Biology. A two-week session in the High Sierra at Sugar Bowl Lodge near Donner Summit is provided for students with a professional or hobby interest in nature and conservation education. Daily field trips and lectures are included in the credit or audit course.

BUSINESS ADMINISTRATION

- 290
- Principles of Management**
- (3 + 0) 3 credits

The fundamentals of administrative, staff, and operative management. Successful management principles for all types of organizations; objectives, policies, functions, executive leadership, organizational structure, morale, operation procedures, and control procedures.

- 365
- Corporation Finance**
- (3 + 0) 3 credits

The problems of financing business enterprises including the topics of financial instruments, capitalization, management of working capital and dividend policy, expansion and business reorganization. Prerequisite: Acc. 101, B.A. 373; Ec. 202.

- 367
- Personnel Management**
- (3 + 0) 3 credits

Objectives, functions, organization of a personnel department, job analysis and evaluation, selection and placement, training, safety and health, employee services, employee relations, wages and hours, executive development, merit rating, wage classification. Prerequisite: B.A. 290.

368 Marketing (3 + 0) 3 credits

A study of distribution policies, methods, and channels used in the marketing of consumers' and industrial goods. Topics include the consumer, retail, and wholesale institutions, channels, marketing of agricultural products. Prerequisite: Ed. 202.

373 Business Law (3 + 0) 3 credits

An introductory course which is concerned primarily with rules, forms, and procedures of the law of contracts, agency, and personal property. The pertinent legal documents either are furnished or are referred to during the semester.

CHEMISTRY**192 Chemistry for High School Teachers (3 + 0) 3 credits**

A classroom-laboratory-demonstration course covering selected topics in chemistry, chosen to broaden the background of high school teachers who are required to teach chemistry with inadequate preparation as to subject matter. New trends and developments in chemistry will be considered. Demonstration experiments useful to the high school teacher will be stressed during the laboratory work.

ECONOMICS**353 Money and Banking (3 + 0) 3 credits**

Nature and functions of money; the banking system; and the relationship of money and bank credit to the economy. Prerequisite: Ec. 202.

EDUCATION**190 State School Organization and School Law (2 + 0) 2 credits**

Principles of good state school organization, study of the School Code of Nevada, and practical applications of basic principles of school law in Nevada. Meets certification requirements concerning School Law of Nevada. Brown.

301 Introduction to Library Education and Reference Sources (3 + 0) 3 credits

Acquaints the student with the philosophy and work of the school librarian. Particular emphasis is placed on the sources of information needed in school library work. Prerequisite: Foundations for Teaching I, II, III, or equivalent, or permission of the instructor.

302 Literature Selection for Children (3 + 0) 3 credits

A broad survey of the field of literature for children, necessitating wide reading of many children's books. Stresses an understanding of children, their reading interests and needs, and bases for evaluation and selecting library materials for the elementary school. For teachers, teacher-librarians, and administrators. Prerequisite: Foundations for Teaching I, II, III, or equivalent, or permission of instructor.

316 The Education of the Exceptional Child (2 + 0) 2 credits

Problems of teaching mentally retarded, physically handicapped, gifted, and socially maladjusted children and youth in special and regular school program. Basic course.

401 Audio-Visual Methods in Teaching (3 + 1) 3 credits

For both elementary and secondary students; a study of the operation and use of machines used in audio-visual education; and such laboratory work as making lantern slides, flannel boards, strip films, models, mockups, posters, and other teaching materials.

415 Fundamentals of Aviation Education (2 + 0) 2 credits

Jointly sponsored by the Civil Air Patrol and the College of Education. Gives teachers of all grade levels, and other interested students, a basic understanding of aviation in order that they may incorporate this knowledge into their classroom teaching.

500 Introduction to Graduate Study (2 + 0) 2 credits

Required of all students who are beginning work toward a graduate degree in the College of Education. Includes a study of the nature of graduate work, the responsibilities of the graduate student, and methods of educational research. Requires that the student carry out a research project.

501 The History and Philosophy of Education (3 + 0) 3 credits

A study of the development of education thought and practice viewed as a phase of social progress. This course will be devoted largely to the History and Philosophy of Education in Western Civilization, with particular emphasis upon the United States.

519 Problems in the Education of the Gifted

Consideration of educational programs and procedures to develop stimulating environments for the maximum development of gifted or superior children and youth. Specific cases and demonstration.

ELEMENTARY EDUCATION**220 Human Growth and Development: Observation (2 + 2) 3 credits
and Laboratory Experience**

Principles of human growth and development are studied in actual observation of, and participation with, children. Two hours per week will be spent in the college classroom and curriculum laboratory and two hours per week will be spent with children in the public schools, YMCA or YWCA, playgrounds, public libraries, and other public service agencies.

322 Teaching of Elementary Arithmetic (2 + 0) 2 credits

Methods of teaching arithmetic; diagnostic and remedial treatment of pupil difficulties; readiness; objectives of arithmetic; recent trends.

323 Teaching of Elementary Language Arts (3 + 0) 3 credits

A study of the language needs of children and the nature of the reading process, writing, speaking, and listening as revealed by recent research and modern practices with emphasis placed upon building a sound developmental program.

325 Teaching of Elementary Science (2 + 0) 2 credits

Gives elementary teachers a working concept of the fundamental principles involved in teaching children science; demonstrations; experiments; projects; evaluation of curricula materials; directed observations.

**329 Field Work and Clinical Practice in Elementary (3 + 0) 3 credits
Education**

Typical areas for concentration in this course are: practice in a psycho-educational clinic; field of study of school learning problems; practice in a reading clinic. Prerequisite: ELED. 220, or equivalent.

**330 Elementary and Junior High School (3 + 0) 3 credits
Guidance, Diagnosis, and Evaluation**

A study of the role of the classroom teacher in the prevention and correction of pupil adjustment difficulties. In addition to a study of the informal methods of gathering data about children, attention will be given to the use of educational tests and measurements and other quantitative techniques in educational diagnosis.

334 Kindergarten Education (2 + 0) 2 credits

Acquaints the student with the practical problem of organizing the kindergarten programs. Special emphasis is given to organization, methods, materials, and the developmental aspects of learning.

336 Organization and Management of Rural Schools (2 + 0) 2 credits

Problems adapted to small rural schools, including such topics as beautification of buildings and grounds, school health, classroom organization and control, grading and promotion of pupils, the daily program, records, and reports. Suggested for all students preparing for rural teaching.

339 Field Studies in Elementary Education (2 + 0) 2 credits

Each student individually organizes and interprets data relative to an approved problem in elementary education. Encouragement will be given to such experimentation as the development of curriculum, improved parent-teacher relations, grouping of pupils, organization of guidance services, etc.

424 Teaching of Elementary Social Studies (3 + 0) 3 credits

The nature of social growth of children in a democratic culture, instructional materials are arranged and developed around the developmental patterns of growth. Much time is devoted to the actual development of instructional materials used at the various grade levels.

426 Principles of the Elementary School Curriculum (2 + 0) 2 credits

A knowledge of the organization and sequence of purposeful experiences in the elementary school curriculum as determined by the developmental tasks of children and the basic needs and values of our society.

427 Supervised Teaching in the Elementary Grades (2 + 1) 2 credits

An introduction to student teaching with an over-all study of the elementary school, its program as it relates to child development, and to the various subject-matter areas. The major part of the course will be directed observation and teaching of small groups of children. Units of work and other teaching plans will be constructed employing the facilities of the curriculum laboratory and the advisory services of the education staff. Course should be selected the second semester of junior year or first semester of senior year. Prerequisite: Foundations for Elementary Teaching I, II, III completed, and IV completed or in progress, or equivalent. (Cannot be taken for graduate credit.)

428 Supervised Teaching in the Elementary Grades (0 + 2½ per credit) 4 to 6 credits

Provides supervised teaching in actual classroom situations. Directed observations, planning of teaching units, classroom management, supervised teaching, participation and direction of school activities, individual and group conferences, and other factors related to effective teaching are presented. Prerequisite: EEd. 427 (or may be taken concurrently with it). (Cannot be taken for graduate credit.)

434 Reading in the Elementary School (2 + 0) 2 credits

Arranged for those students who need additional work in reading methods and who have had teaching experience.

520 Problems in Child Development (2 + 0) 2 credits

Advanced problems are discussed as they are related to child development in the elementary school.

522 Problems of Teaching Arithmetic and Science (2 + 0) 2 credits

Advanced study of the teaching procedures in elementary arithmetic and science with consideration of defining and implementing objectives, selection of curriculum materials, developing basic skills, and preparing teacher-resource material. Research problems may be studied and prepared in this course.

523 Problems of Teaching the Language Arts (2 + 0) 2 credits

For students who have completed EEd. 323; providing them with the opportunity for advanced study of procedures used in developing skills in oral and written communication in the elementary school.

528 Individual Research in Elementary Education 1 to 4 credits

Selected basic problem or problems related to the field of elementary education.

529 Seminar in Elementary Education 2 credits

The problems of organization, administration, curriculum, methodology, evaluation, public relations, and other basic areas of elementary education. A review of research procedures is followed by the selection of a problem to be studied in considerable detail. Prerequisite: Basic courses in elementary education.

SCHOOL ADMINISTRATION

- 571 **Organization and Administration of the Secondary Schools** (2 + 0) 2 credits

A consideration of general organization, curriculum organization, qualifications of teachers and principals, records, supplies, plant, and curricula materials.

- 575 **The Educational Plant** (2 + 0) 2 credits

Problems, readings, and field studies related to the adequacy of school buildings and grounds; planning, construction, and maintenance of the school plant; equipment; choice of architects; current plant surveys; and community surveys to determine plant needs.

- 577 **Principles and Practices in School Law** (2 + 0) 2 credits

Presents the legal factors and principles for the basis of public education; the legal character of the public school corporation; the legal authority delegated to school boards, administrators, and teachers; and the legal aspects of child-school relationships. Application is made specifically to school legislation in Nevada. Brown.

- 582 **Supervision in the Public Schools** (3 + 0) 3 credits

Stresses principles and procedures used by supervisors to improve the instructional program in elementary, junior high, and senior high schools. Consideration is given to the various problems of supervision of instruction, including human relations, methods and techniques, materials, and the objectives of public education. The roles of the teacher, principal, and superintendent are thoroughly analyzed.

- 584 **Organization and Administration of Guidance Services** (2 + 0) 2 credits

For school administrators, guidance and counseling directors, and teachers who are concerned with developing counseling and guidance programs in the public schools. Particular attention will be given to the problems of organization and administration of guidance services on the elementary, junior high, and secondary school levels.

- 586 **Problem Areas in School Administration** (2 + 0) 2 credits

Enables administrators and supervisors to select problems pertaining to administration which are in need of attention and to develop proposed solutions to such problems. Several such problems will be examined; factual materials related to the problem will be gathered and evaluated. May be used as a workshop course, and repeated for a total of 4 credits in accordance with the theme of the workshop.

- 588 **Individual Research in School Administration** (2 + 0) 2 credits

Selected basic problem or problems related to the field of school administration. To be used only by students who choose the professional paper to meet requirements for the Master of Education degree.

- 590 **Supervision of Student Teaching** (1 + 0) 1 credit

Primarily for those public school teachers who are functioning as cooperating teachers in the student teaching program. Consideration of the place student teaching has in the teacher education program and of the methods, materials, and techniques required in working with student teachers. There will be development of materials to be used by teachers and students.

- 598 **Individual Research in Adult and Teacher Education** (1 + 0) 1 credit

Selected basic problems related to the teacher of adult education phases of higher education.

- 595 **Preservice Teaching in Teacher Education** (2 + 0) 2 credits

Specifically for supervisors and directors of student teaching in colleges and cooperating schools; functions of student teaching, supervision of student teaching, provision for preservice laboratory teaching experiences, organization of teaching units, professional files, seminars in professional problems, etc.

596 **Adult Education** (2 + 0) 2 credits

Presents the general problems, principles, and procedures for adult education. Development of community adult leadership is discussed.

SECONDARY EDUCATION340 **An Introduction to Guidance and Counseling** (3 + 0) 3 credits

An introduction to the principles, procedures, and techniques of guidance and counseling. A study of source information, cumulative records, educational and vocational guidance, interest and aptitudes. Prerequisite: Foundations for Secondary Teaching I and II and Ed, 321.

341 **General Principles, Materials, and Methods of Secondary Education** (3 + 0) 3 credits

Basic orientation and preparation for supervised teaching. Required for admission to supervised teaching. Prerequisite: Foundations for Secondary Teaching I, II, and III, or equivalent.

343 **Methods and Materials in Teaching English** (2 + 0) 2 credits358 **Basic Course: Driver and Traffic Education** (2 + 2) 2 credits

Discussions and demonstrations will constitute the major part of the course. The course is being offered to train the high school teacher to offer, in his own school, the high school driver training course. Each student in the course will be supplied with adequate teaching materials and with a detailed plan to offer the course on the high school level. Prerequisite: Permission of the instructor. Neyhart.

358a **Advanced Driver Training** (2 + 0) 2 credits
Neyhart.442 **Junior High School Instruction** (3 + 0) 3 credits

Includes the development, basic philosophy, recommended educational procedures, curriculum requirements, and recommended activities for the effective junior high school program. Discussions will be presented on the psychological and educational foundations for the junior high school and the corresponding implications for the instructional program, supervision, guidance, and evaluation of progress of pupils in the upper elementary and junior high school grades.

455b **Workshop in Vocational Education** (3 + 0) 3 credits

Concerns the curriculum and other problems of vocational business education, distributive education, guidance and counseling, trades and industrial education, and agricultural education, as organized under the direction of the College of Education and the State Department of Vocational Education; for in-service of these subjects. Prerequisite: Permission of the instructor. May be repeated for a total of 6 credits.

456—**Noninstructional Responsibilities of the High School Teacher** (2 + 0) 2 credits

Gives the potential secondary school teacher, or the teacher in service, an over-all view of the responsibility for noninstructional activities in secondary schools. Attention will be given to the administration of these activities.

541 **Combined Studies for the Secondary School** (2 + 0) 2 credits

Describes and discusses elements of the combined studies and core approach to the organization and administration of the secondary school curriculum.

546 **Secondary Education Curriculum** (2 + 0) 2 credits

Study and discussion of the development and improvement of curriculum practices, with special stress upon working out procedures that seem to be suited to the area.

548 Problems in the Teaching of Secondary School Subjects 1 to 3 credits

Primarily for students who have had undergraduate methods courses in particular subjects. Although class discussion will be centered around general problems in the various fields, research projects will be carried on in each student's particular field of interest. May be repeated by permission of the instructor.

558 Individual Research in Secondary Education 1 to 4 credits

Selected basic problem or problems related to the field of secondary education.

ENGLISH

A Elementary Composition (3 + 0) 0 credit

Required of those who are unable, in the placement examinations given all beginning students, to demonstrate the proficiency in expression normally expected of high school graduates. No credit, but counts as part of the student's regular load.

101 Composition and Rhetoric (3 + 0) 3 credits

The study of English as a means of self-expression, with special attention to the writing of exposition.

102 Composition and Rhetoric (3 + 0) 3 credits

A continuation of Engl. 101. Prerequisite: Engl. 101.

141 Introduction to the Short Story (2 + 0) 2 credits

A study of significant short stories and of the short story as a form of literature.

181 Vocabulary and Meaning (2 + 0) 2 credits

The study of meaning, usage, word derivation, and word formation with a view to enlarging and refining a working English vocabulary. Not acceptable for the field of concentration as a substitute for Engl. 281.

441-442 American Literature (2 + 0) 2 credits

Engl. 441 is a survey of the development of American literature from the beginning to the present; Engl. 442 is an intensive study of special problems in American literature; for example, the works of a writer like Melville or Adams, or a group of related writers, or a trend like the Agrarian Movement.

481-482 The Victorian Period (2 + 0) 2 credits

Engl. 481 surveys the social and artistic movements of the later nineteenth century as revealed in English poetry and prose; Engl. 482 deals with special problems in the period; for example, the writings of a figure like Browning, the novel and the industrial revolution, or the Pre-Raphaelite Movement in art, criticism, and literature.

FOREIGN LANGUAGE

101 Beginning French (4 + 0) 4 credits

Essentials of grammar, reading, and conversation. No prerequisite. Gottardi.

102 Beginning French (4 + 0) 4 credits

Essentials of grammar, reading, conversation, and translation of simple prose. Prerequisite: French 101 or one year of high school French. McMurray.

Special Supervised Study

391 Language Seminar (2 + 0) 2 credits

Work may be taken in French and Spanish and will count toward a field of concentration. Prerequisite: Four years of high school or two years of college or the equivalent in the language. Gottardi.

392 **Language Seminar** (2 + 0) 2 credits

Work may be done in French and Spanish. Prerequisite: Four years of high school or two years of college or its equivalent in the language. McMurray.

GEOGRAPHY103 **Physical Geography** (3 + 0) 3 credits

Study of the physical elements of geography. The earth and its representation, the nature and distribution of climate, landforms, natural vegetation, and soils. May be taken with or without laboratory.

486 **Asia** (3 + 0) 3 credits

A study of physical landscapes, peoples and their cultures, with emphasis upon eastern and southern Asia. Prerequisite: Geog. 103, or equivalent, or permission of instructor.

HISTORY312 **The Westward Movement in the United States** (2 + 0) 2 credits

The westward movement of peoples from the Atlantic Coast, and the influence of this movement upon United States history.

314 **Western North America** (2 + 0) 2 credits

The Far West; the Rocky Mountains and the West Coast States; activities of the Spanish, Russians, British, and Americans on the Pacific Coast.

331 **Nevada History** (2 + 0) 2 credits

Nevada history from early exploration to the present. May be used to satisfy requirement for Nevada Constitution. An examination of the Nevada Constitution will be included.

408 **Europe Since 1914** (2 + 0) 2 credits

A detailed study of an age of conflict and its interludes of peace.

421-422 **History of Russia** (3 + 0) 3 credits

Foundations of the Russian State and society. The imperial and revolutionary areas.

501-502 **Graduate Seminar** 2 or 3 credits**HOME ECONOMICS**306 **Communications in Home Economics** (1 + 2) 2 credits

Survey of situations in which various techniques of communication may be employed. Skills and practices in communicating ideas, attitudes, and subject matter of home economics within the family and with individuals, groups, and mass audiences.

455a **Workshop in Vocational Education** (1 + 0) 1 credit (Aug. 17-21)

Graduate credit may be earned by the enrollee declaring prior to the first day of the workshop her intention of earning graduate credit and by carrying out the graduate course requirements under the direction of the home economics teacher-educator. May be repeated for a total of 6 credits.

500 **Graduate Problems in Family Economics** (2 + 0) 2 credits

A study of the finances of families in relation to family attitudes, income level, size, and stage in the life cycle. Discussion of savings, investments, insurance, installment buying, legal, social and economic aspects of family spending.

503 **Graduate Problems in Home Management** (2 + 0) 2 credits

A study of the use of human and material resources in achieving family goals. Discussion of management in relation to the work of the home: equipment, tools, processes. Laboratory experience would include (a) visits to homes to identify management problems, and (b) work on a specific management problem on which a homemaker has requested help. Lab time TBA.

- CHRISTENSEN, HOWARD H., M.E., Assistant Professor of Agricultural Education.
B.S., Utah State Agricultural College, 1940; M.S., Colorado Agricultural and Mechanical College, 1953. (1955)
- CLAUNCH, SIDNEY J., JR., M.A., Assistant Professor of Business Administration and Economics.
A.B., Ohio University, 1949; M.A., University of Wisconsin, 1951; Ph.D., 1958. (1954-1958)
- CLINE, GLORIA G., Ph.D., Lecturer in History.
B.A., University of Nevada, 1950; M.A., University of Nevada, 1951; Ph.D., University of California, 1958.
- COBBLEY, LORE, B.A., Lecturer in Education.
B.A., University of Idaho Southern, 1954. (1958)
- COOPER, SHIRLEY, Ph.D., Visiting Lecturer. American Association of School Administrators, Washington, D. C.
- DANA, RICHARD H., Ph.D., Assistant Professor of Psychology.
B.A., Princeton University, 1949; M.S., University of Illinois, 1951; Ph.D., 1953. (1957)
- DAY, WILLARD F., Ph.D., Assistant Professor of Psychology.
B.A., University of Virginia, 1949; M.A., 1951; Ph.D., 1953. (1956)
- DEANGELO, RACHAEL WINGFIELD, M.S., Visiting Lecturer in Library Education.
B.S., State College, Fredericksburg, Virginia, 1928; B.S., Library Science, Columbia University, 1933; M.S., Library Science, 1951.
- DEMING, MERYL WILLIAM, Ph.D., Professor of Chemistry.
B.A., University of Oregon; 1923; M.A., 1925; Ph.D., University of Washington, 1928. (1929-1946)
- DERFELT, HERBERT A., Ed.D., Assistant Professor of Education.
B.S., Kansas State Teachers College, 1936; M.S., 1941; Ed.D., University of Arkansas, 1956. (1936)
- DICKINSON, JAMES R., Ph.D., Associate Professor of English (Las Vegas).
B.A.E., University of Florida, 1939; Ph.D., Stanford University, 1957. (1949-1957)
- DOUGLASS, HARL, Ph.D., Visiting Professor in Education.
B.S., M.A., University of Missouri; Ph.D., Stanford University.
- DRACKULICH, MICHAEL, M.Ed., Assistant Professor in Health, Physical Education and Athletics, Nevada Southern.
B.A., University of Nevada, 1948; M.Ed., University of Nevada, 1956.
- DRIGGS, DON W., Ph.D., Assistant Professor in History and Political Science.
B.S., Brigham Young University, 1950; M.A., Harvard University, 1955; Ph.D., 1956. (1956-1958)
- DRURY, LLOYD A., Ed.D., Associate Professor of Education.
B.A., Southern Idaho College of Education, 1947; M.A., Colorado State College of Education, 1949; Ed.D., University of Wyoming, 1952. (1956-1958)

- DUFFY, KATHRYN H., J.D., Assistant Professor of Business Administration and Economics.
B.S., College of Mt. St. Vincent, 1928; LL.B., Fordham University School of Law, 1931; J.D., Brooklyn Law School, 1932.
- DUNN, MELVIN HARPER, Ph.D., Visiting Lecturer in Education. Director of Special Services and School Psychologist, Chula Vista, California.
B.S., Utah State College, 1941; M.S., Ph.D., University of Utah, 1955.
- ELLIOTT, RUSSELL R., Ph.D., Associate Professor of History and Political Science.
B.A., University of Nevada, 1934; M.A., University of Washington, 1938; Ph.D., University of California, 1946. (1949-1954)
- FREEBURNE, FREDERICK G., Ph.D., Associate Professor of Music.
B.S.M., Kansas State Teachers College, 1942; M.A., Columbia University, 1942; M.M., Indiana University, 1951; Ph.D., 1953. (1955)
- FRUGOLI, JOSEPHINE T., B.A., Visiting Lecturer in Rural Education.
B.A., University of Nevada, 1956. Graduate work, University of Nevada.
- GILKEY, HELEN H., M.A., Professor and Dean, Orvis School of Nursing.
A.B., Stanford University, 1934; M.A., Sacramento State College, 1952. (1957)
- GOTTARDI, JOHN R., M.A., Professor of Foreign Languages.
B.A., University of Nevada, 1921; M.A., 1926; Officier D'Academie, 1955. (1922-1953)
- GRAHAM, MALCOLM, Ed.D., Assistant Professor of Mathematics (Las Vegas).
B.S., New Jersey State Teachers College, 1946; M.S., University of Massachusetts, 1948; Ed.D., Columbia University, 1954. (1956)
- GRIEDER, THEODORE, JR., Ph.D., Assistant Professor in English.
B.A., University of Southern California, 1948; M.A., Stanford University, 1950; Ph.D., 1958. (1957-1958)
- GRIFFIN, ROBERT STUART, Ph.D., Professor Speech and Drama.
B.S., Oregon State College, 1928; M.A., University of Southern California, 1935; Ph.D., 1941. (1928-1944)
- GROTBERG, EDITH H., Ph.D., Visiting Lecturer in Education.
B.A., Northwestern University, 1938; M.A., University of Chicago, 1940; Ph.D., Northwestern University, 1958.
- HADDAD, MARIE N., R.N., M.S., Assistant Professor, Orvis School of Nursing. Diploma, American University School of Nursing of Beirut, Lebanon Republic, 1940; B.S. in Public Health, St. Louis University, 1952; M.S., University of Washington, 1958.
- HALBERSTADT, WILLIAM H., Ph.D., Assistant Professor in Philosophy.
A.B., University of Pennsylvania, 1952; A.M., University of Illinois, 1953; Ph.D., 1955. (1955-1957)
- HARRIS, JANE, M.A., Visiting Lecturer in Physical Education. Assistant Professor, Washington State College.
B.S., University of Utah; M.A., Wellesley College.
- HARTMAN, ROBERT, M.A., Assistant Professor of Art.
B.F.A., University of Arizona, 1951; M.A., 1952. (1958)

HUMANITIES**210 General Humanities (3 + 0) 3 credits**

Designed to present an integrated perspective of the humanistic disciplines. Three fine arts will provide the basic materials: Literature, Graphic Arts, and Music. Additional interpretation of these materials will be provided by Philosophy.

JOURNALISM**320 Publicity Methods (2 + 0) 2 credits**

A course for officers and publicity chairmen present and prospective, of civic, social, religious, professional, recreational, and fraternal organizations in the handling of news of their groups for newspapers and radio stations. Offered in cooperation with Reno and Sparks newspapers. Open to juniors and seniors in any college. Not acceptable toward the requirements for the field of concentration in Journalism or the Course in Journalism. (Offered in alternate years.)

368 The Special Feature Article (2 + 0) 2 credits

Study, writing, and marketing of the special feature article for magazines and newspapers. Prerequisite: Jour. 221-222 or upperclass standing. (Offered in alternate years.)

MATHEMATICS**101 Intermediate Algebra (2 + 0) 2 credits**

A second course in algebra for students who have had one year of algebra in high school. Credits earned in this course cannot be used to fulfill the credit requirements for graduation in the College of Engineering or in the Mackay School of Mines. Prerequisite: One unit of high school algebra.

105 Arithmetic (2 + 0) 2 credits

Principles and applications of arithmetic. Primarily for students preparing to teach. Open to students in those curricula which require it and to others with the consent of the department.

152 Elementary Mathematical Analysis (5 + 0) 5 credits

A continuation of Math. 151. Prerequisite: Math. 151.

192 Recent Trends in High School Mathematics (2 + 0) 2 credits

A course designed to broaden the mathematics background of high school teachers and to acquaint them with some of the new curricula which are proposed in high school mathematics.

251 Engineering Calculus (4 + 0) 4 credits

A unified course in differential and integral calculus with special emphasis upon applications. Prerequisite: Math. 151-152 or equivalent.

252 Engineering Calculus (4 + 0) 4 credits

A continuation of Math. 251. Prerequisite: Math. 251.

305 Fundamental Concepts in Mathematics (2 + 0) 2 credits

Consideration of basic mathematical concepts; designed for teachers of high school mathematics.

MILITARY SCIENCE**303 Summer Camp 2 credits**

All who take advanced training are required to attend a six-week summer camp immediately following Mil. 302. The place and date of attendance will be announced at a later date. Prerequisite: Mil. 301, 302.

MUSIC**101 Music Fundamentals and Ear Training (2 + 0) 2 credits**

Notation, terminology, intervals, major and minor scales. Learning to read in unison and in parts. Designed to furnish a foundation for musicianship and is recommended for teachers in the public schools.

111-311 University Singers (0 + 2) 1 credit each

Study and performance of representative choral music of all periods. This group will assist in the presentations of the Symphonic Choir and will be featured in concerts locally and on tour.

151 Piano (1 + 0) 1 credit

Bach, 2- and 3-part Inventions; compositions of the difficulty of easier Hadyn Sonatas; Mendelssohn Song Without Words; Chopin Preludes; Schumann Op. 15. Major and minor scales, both parallel and contrary motion, triads, broken chord exercises, standard technical studies such as Czerny Op. 299.

153 Voice (1 + 0) 1 credit

Production of tone that is flexible with respect to dynamics, pitch range, and rhythmic movement. Technical exercises and diverse songs are employed to guide the student in the solution of his unique problems and in the development of his vocal potential.

157 Woodwind Instruments (1 + 0) 1 credit

Major and minor scales and arpeggi, development of tone and breath control, easier pieces from the standard repertoire for the instrument.

324 Teaching of Elementary Music (2 + 0) 2 credits

For the elementary teachers who teach their own music. Methods of presenting *vocal* songs to primary grades and *note* songs and singing games, listening to music for rhythmic expression or creative effort and the use of rhythm instruments. Prerequisite: Mus. 101 or equivalent.

447 Music Director's Workshop (1 + 0) 1 credit

This course is scheduled during the final week of the summer Tahoe Music Camp, and is designed to use instrumental and vocal groups for demonstration. Special attention to repertoire, conducting, program planning; individual conferences with music camp faculty. Staff.

448 Instrumental Problems (2 + 0) 2 credits

An analysis and discussion of band and orchestral problems, with lectures and demonstrations by instrumental specialists.

449 Chorus Problems (2 + 0) 2 credits

Demonstration and lecture on aspects of vocal technique and organization involved in directing high school and college choruses.

451 Piano (1 + 0) 1 credit

Bach Partitas, transcriptions by Liszt and Busoni; Chopin Ballades, Scherzos, Etudes; Liszt Etudes; Brahms Sonatas; concerto study.

453 Voice (1 + 0) 1 credit

Advanced repertoire study in the field of the art song in German, Italian, French, and English. Further study and performance of operatic and oratorio selections. Presentation of senior recital.

457 Woodwind Instruments (1 + 0) 1 credit

Appearance in solo recital or concerto performance, ability to hold first chair in orchestra or band, two years of band, orchestra, and ensemble experience.

503 Opera Literature (2 + 0) 2 credits F, Su**524 Philosophy of Music Education** (2 + 0) 2 credits

A study of recent music education theory with reference to its influence on present-day schools.

NURSING**103 Foundations of Nursing Education (3 + 0) 3 credits**

Examination of the current trends in nursing education based upon historical reviews. Emphasis on inter-relationships of nursing education to changing views in the economic, social, and health fields and to nursing practice. Required for registered nurses.

470 The Law and Nursing (3 + 0) 3 credits

Consideration of legislation, rules and regulations, and court decisions pertaining to nurses and the professional practice of nursing: legal status of the nurse, contracts, liabilities and mal-practice. Lecture and group discussion.

OFFICE ADMINISTRATION**101 Elementary Typewriting (2 + 0) 2 credits**

Keyboard is presented for those who do not already know the touch system of operation. Mastery of the keyboard, skill development, speed building, business letter writing.

129 Computing Machines (2 + 0) 2 credits

Training in the use of adding, calculating, rotary, listing, and ten-key machines. Laboratory work, demonstrations, and field trips.

304 Business Communications I (2 + 0) 2 credits

A presentation and application of the psychology, principles, and problems underlying effective communications in business and industry. Prerequisite: Engl. 102.

PHILOSOPHY**101 Introduction to Philosophy (2 + 0) 2 credits**

A brief study of the problems and methods of philosophy together with the solutions suggested by various philosophers. Designed both for the student who wishes a perspective for further work in philosophy and for the student who desires a general knowledge of the scope and methods of philosophy.

107 Elementary Logic (2 + 0) 2 credits

A study of the principles of correct reasoning: including such topics as formal and informal fallacies, the uses of language, and modern symbolic tools for clarifying thought. Emphasis is upon helping the student to analyze and evaluate arguments encountered in everyday life.

200 Philosophical Classics (2 + 0) 2 credits

A systematic consideration of ideas chosen from the writings of the great philosophers who have had a significant influence in the history of Western thought and culture. This course is designed to help the student think critically by analyzing selected philosophical works.

455 Aesthetics (2 + 0) 2 credits

A critical examination of theories dealing with the nature of beauty. Special attention is given to the application of these theories to literature, music, painting, and other arts. (Offered in alternate years.)

461 World Religions (2 + 0) 2 credits

A study of the chief characteristics of primitive and civilized religions with special consideration of the main moral and religious doctrines of Hinduism, Confucianism, Buddhism, Judaism, Christianity, and Islam.

PHYSICAL EDUCATION**381 Camping and Outdoor Education (1 + 0) 1 credit**

A study of current trends in practices and principles of camping in relation to education and the school curriculum. Training in specific camp-craft skills, techniques of group work, program planning and camp counseling.

- 471 (Description in catalog.) **Theory and Practice of Directing Individual and Dual Activities** (2 + 0) 2 credits
 A study of rules, techniques, and coaching methods of archery, badminton, bowling, golf, tennis, and recreational games. Prerequisite: P. E. 205 or demonstrated skill in the above.
- 471 (Written description.) **Theory and Practice of Directing Individual and Dual Sports** (2 + 0) 2 credits
 A study of rules, techniques and coaching methods of archery, badminton, bowling, golf, tennis and recreational games.
- 480 **History and Development of the Dance** (2 + 0) 2 credits
 A study of the dance forms in the past and present in their relationship to the other arts. Methods of Teaching Folk, Square and Social Dance. Practical work in teaching dance to beginners.
- 499a **Coaching Clinic—Football, Basketball, Training Methods** (2 + 0) 2 credits
 A clinic at which the "Coach of the Year" in football and the top ranking basketball coach of the year is invited to instruct. Training techniques conducted by nationally accepted authorities.
- 501 **Physical Education and Health Seminar** (2 + 0) 2 credits

PHYSICS

- 192 **Physics for High School Teachers** (3 + 0) 3 credits
 A classroom-laboratory course covering selected topics in Physics, chosen to broaden the background of high school teachers who are required to teach Physics with inadequate preparation as to subject matter. During the laboratory, some time will be devoted to the design and construction of simple equipment and experiments which illustrate the fundamental principles of Physics. New trends and developments in Physics, and the teaching of Physics will be considered. Barnes and Leffson.

POLITICAL SCIENCE

- 101 **American National Government** (3 + 0) 3 credits
 A basic course dealing with the organization, the working principles, structural problems, and functional processes of the national government of the United States, and with recent trends in administration and constitution-making. May be used to satisfy requirements for United States Constitution. Not open to students who have obtained credit for P. S. 103.
- 102 **State and Local Government** (3 + 0) 3 credits
 A basic course dealing with the organization, the working principles, structural problems, and functional processes of the state and local governments of the United States, and with recent trends in administration and constitution-making. May be used to satisfy the requirements for Nevada Constitution. Not open to students who have obtained credit in P.S. 103.
- 201 **Constitution of the United States** (1 + 0) 1 credit
 Origins, history, and essentials with emphasis on devotion to American institutions and ideals. Not open to freshmen.
- 202 **Constitution of Nevada** (1 + 0) 1 credit
 Origins, history, and essentials. Not open to freshmen.
- 408 **World Politics** (3 + 0) 3 credits
 Some of the problems of present day international politics such as nationalism, colonialism, and the balance of power. The elements and strategies of world politics will also be examined by study of certain historical situations, including Versailles and Munich.

416 **Political Parties** (2 + 0) 2 credits

The party system in the United States; the history, composition, and functions of parties—their organizations and methods.

427 **American Foreign Policy** (2 + 0) 2 credits

Governmental machinery for the conduct of American foreign relations; traditional policies; current problems and practices, impending changes.

PSYCHOLOGY201 **General Psychology** (3 + 0) 3 credits

An introductory course dealing with the principles of human behavior. Open to any sophomore and to freshmen who rank in the upper one-half of their mental test scores.

231 **Psychology of Adolescence** (2 + 0) 2 credits

(Same as Sec.Ed. 231.) An intensive study of the characteristics prominent in the adolescent, with special emphasis upon applications to the work of the high school teacher. Prerequisite: Psych. 201.

233 **Child Psychology** (2 + 0) 2 credits

(Same as El.Ed. 233.) The development of behavior patterns in the normal child from conception to twelve years of age. Some consideration is given to the elimination of undesirable personality traits. Prerequisite: Psych. 201.

310 **Statistical Methods in Psychology and Education** (2 + 2) 2 credits

Study and practice with statistical methods especially useful in the presentation and interpretation of psychological and educational data. Prerequisite: Psych. 201 or special permission of instructor based on training in education.

311 **Psychological Tests** (3 + 0) 3 credits

Lectures, laboratory, practice, and readings. Description, demonstration, and training in the construction, use, and interpretation of standard tests. Special attention will be given to test uses for school purposes, industrial and personnel practice, clinical diagnosis, vocational guidance, and social service work. Prerequisite: Psych. 201.

321 **Educational Psychology** (3 + 0) 3 credits

(Same as Ed. 321.) Applications of psychology to such educational problems as learning in general, discipline, development of desirable social, emotional, intellectual, aesthetic, moral and other traits, principles and practices of certain educational and psychological tests and measurements. Prerequisite: Psych. 201.

405 **Psychology of Personality** (2 + 2) 3 credits

A consideration of the nature, development, and evaluation of personality. Prerequisite: Psych. 201.

SOCIOLOGY352 **Juvenile Delinquency** (2 + 0) 2 credits

Causes, conditions, and prevention of juvenile crime.

361 **Criminology** (3 + 0) 3 credits

Theories, causes, classification, apprehension, treatment, and prevention of crime. Prerequisite: Soc. 201.

375 **Marriage and the Family** (3 + 0) 3 credits

A course designed to prepare the student for typical problems encountered in dating, courtship, marriage, and parenthood.

SPEECH

111 Public Speaking (2 + 0) 2 credits

The principles of effective public speaking studied and practiced through organized student discussions of contemporary controversial problems. Speech form and speech content are equally emphasized.

112 Public Speaking (2 + 0) 2 credits

A continuation of Speech 111. Prerequisite: Speech 111.

250 Phonetics (2 + 0) 2 credits

An introductory course in phonetics designed particularly for teachers. Transcription of the International Phonetic Alphabet is stressed. Discussion will include the dynamics of speech, sound production and associated perceptual problems common to children.

317 Advanced Argumentation and Persuasion (2 + 0) 2 credits

Study of the intellectual and emotional behavior of the audience. Analysis of complex public problems and the briefing of cases for the advocate. Prerequisite: Speech 217-218.

317 Advanced Argumentation and Persuasion (2 + 0) 2 credits

Study of the intellectual and emotional behavior of the audience, with particular attention to the concepts of conviction and persuasion (reason and emotion) in the rhetorics of Aristotle down to the present.

412 Correction of Speech Defects (3 + 0) 3 credits

For teachers and others with a special interest in effective oral communication. The nature and causes of the various speech defects, with the therapeutical procedures used to correct them. Not designed to train clinicians, but to create an insight into subnormal speech problems. Prerequisite: Speech 411.

416 History of Public Address (2 + 0) 2 credits

The study and appraisal of the speeches of famous orators, viewing each in relation to the social milieu in which the speech situation is set. The first semester will treat English orators; the second, American orators.

416 American Oratory (2 + 0) 2 credits

Study of the background and speeches of the great American orators whose speeches exerted such a profound influence on the destinies of America and of the world.

ZOOLOGY

103 General Zoology (2 + 0) 2 credits

An introductory course dealing with the general principles of animal biology.

335 Ornithology (2 + 4) 3 credits

A course especially designed for field workers, teachers, and naturalists. Prerequisite: Zool. 103, 104. (Alternates with Zool. 337.)

SCHEDULE OF COURSES MAIN CAMPUS—RENO

(Registration is on preceding Saturday, June 6, 8:30 a. m.—12:00 m.)

NOTE: The University of Nevada reserves the right to cancel any and all courses in which the enrollment is insufficient to warrant continuation of the course.

ABBREVIATIONS FOR BUILDINGS: E—Education, EE—Electrical Engineering, H—Humanities, HE—Home Economics, J—Journalism, JTU—Jot Travis Union, L—University Library, M—Mines, MH—Morrill Hall, MS—Mackay Science, NA—New Agriculture, NG—New Gym, NGBR—New Gym Band Room, OG—Old Gym, P—Peavine School, R—Ross Hall, S—Stewart Hall, T—Temporary.

Courses numbered 300–399, 400–499, 500–599, may be taken for *graduate credit*, if the student is eligible to do *graduate work* and *approval* is given.

FIRST SESSION

Two Weeks, Monday, June 8 to Friday, June 19, 1959

Department number	Title	Sem. Credits	Hours; days	Classroom	Instructor	Office
Anthro. 357—	Cultural Anthropology.....	2	9–12 MTWTF	E202	Sellers	E203
Educ. 190—	State School Organization and School Law.....	2	9–12 MTWTF	R210	Brown	E108
Educ. 415—	Fundamentals of Aviation Education.....	2	9–12 MTWTF	Arr.	Newbry	E102
Educ. 316—	The Education of the Exceptional Child.....	2	9–12 MTWTF	Arr.	Willey	Arr.
El.Ed. 325—	Teaching of Elementary Science.....	2	9–12 MTWTF	E208	Potter	E105
El.Ed. 339—	Field Studies in Elementary Education.....	2	9–12 MTWTF	E207	Reed	E210
El.Ed. 434—	Reading in the Elementary School.....	2	9–12 MTWTF	E209	Kyle	E206
El.Ed. 528—	Individual Research in Elementary Education.....	2	Arr.	E206	Willey	E206
Eng. 501—	Seminar in Secondary School English.....	2	9–12 MTWTF	Hum. 108	Gorrell, Laird	Hum. 100
Phys.Ed. 381—	Camping and Outdoor Education (June 9–14) ..	1	9–12 MTWTF	NG	Quick	NG
Phys.Ed. 499a—	Coaching Clinic (Football, Basketball, Training Methods) (June 15–19).....	2	9–11:30 a. m., 1:30– 4:30 p. m., 7–9 p. m. MTWTF	NG	Broten, Evashevski, Winters	NG
School Adm. 586—	Problem Areas in School Administration.....	2	9–12 MTWTF	R213	Douglass, Tucker	E205
Geog. 338—	Fundamentals in Teaching of Conservation.....	2	9–12 MTWTF	H10	Wheeler	H10

FIRST SESSION—Continued

Department number	Title	Sem. Credits	Hours; days	Classroom	Instructor	Office
Sec.Ed. 456—Noninstructional Responsibilities of the High School Teacher.....		2	9-12 MTWTF	Arr.	McKown	Arr.
Hist. 331—Nevada History.....		2	9-12 MTWTF	S101	Hutcheson	S105
Math. 305—Fundamental Concepts in Mathematics.....		2	8:30-10 a. m., 11-12 a. m. MTWTF	NA126	Silberman	NA107
Music 101—Music Fundamentals and Ear Training.....		2	9-12 MTWTF	NGBR	Hickman	NGBR
Music 524—Philosophy of Music Education.....		2	9-12 MTWTF	E204	Macy	OG
Phil. 107—Elementary Logic.....		2	9-12 MTWTF	H105b	Halberstadt	H106
Pol.Sci. 201—Constitution of U. S. (1st week).....		1	9-12 MTWTF	S102	Driggs	S105e
Pol.Sci. 202—Constitution of Nevada (2d week).....		1	9-12 MTWTF	S102	Driggs	S105e
Psych. 233—Child Psychology.....		2	9-12 MTWTF	R209	McQueen	E203
Soc. 352—Juvenile Delinquency.....		2	9-12 MTWTF	E202	Staff	E203
Zool. 103—General Zoology.....		2	9-12 MTWTF	H104	Ryser	H200

LONG SESSION

Ten Weeks, Monday, June 8 to Friday, July 10; Monday, July 13 to Friday, August 14, 1959

Department number	Title	Sem. Credits	Hours; days	Classroom	Instructor	Office
French 101—Beginning French.....		4	9-10 a. m., 11-12 a. m. MTWTF	R209	McMurray	Hum.202
* French 102—Beginning French.....		4	9-10 a. m., 11-12 a. m. MTWTF	R209	Gottardi	Hum.202a
Lang. 391—Language Seminar.....		2	10-11 a. m. MTWTF	R209	McMurray	Hum.202
* Lang. 392—Language Seminar.....		2	10-11 a. m. MTWTF	R209	Gottardi	Hum.202a
Math. 152—Elementary Mathematical Analysis.....		5	8:30-10 a. m., 11-12 a. m. MTWTF	NA126	Tompson	NA107
Math. 251—Engineering Calculus.....		4	8:40-10 a. m., 11-12 a. m. MTWTF	NA122	Beesley	NA107
* Math. 252—Engineering Calculus.....		4	8:40-10 a. m., 11-12 a. m. MTWTF	NA122	Silberman	NA107
Music 121-451—Private Piano.....		1 or 2	Arr.	OG	Freeburne	OG
Music 153-453—Private Voice.....		1 or 2	Arr.	OG	Macy	OG

*Second term beginning July 13, 1959.

MAIN SESSION

(Registration is on preceding Saturday, June 20, 8:30 a. m.—12:00 m.)

Six Weeks, Monday, June 22 to Friday, July 31, 1959

NOTE: All 2-semester credit courses meet a minimum of one class period five days each week. Three-semester credit courses will meet 1½ class periods each day, e.g., a 3-semester credit course scheduled for 11:00 will actually meet from 11:00 to 12:15 daily, Monday through Friday.

Department number	Title	Sem. Credits	Hours: days	Classroom	Instructor	Office
Art 105—Design.....		3	9-12 MTWTF	T9	Hartman	T3
Art 115—Art Appreciation.....		2	8 MTWTF	T9	Hartman	T3
Art 251—Watercolor Painting.....		3	10-12 MTWTF	T12	Yates	T10
Art 326—Teaching of Elementary Art.....		2	8-10 MTWTF	T9	Yates	T10
Art. 351—Advanced Watercolor Painting.....		3	10-12 MTWTF	T12	Yates	T10
BUSINESS ADMINISTRATION						
Acct. 101—Elementary Accounting.....		4	1-3:50 MTWTF	R106	Sax	R111D
B.A. 290—Principles of Management.....		3	11-12:15 MTWTF	R211	Barres	R111E
B.A. 365—Corporation Finance.....		3	9-10:15 MTWTF	R211	Plumley	R202
B.A. 367—Personnel Management.....		3	7:35-8:50 MTWTF	R203	Barres	R111E
B.A. 368—Marketing.....		3	11-12:15 MTWTF	R210	Claunch	R202
B.A. 373—Business Law.....		3	7:35-8:50 MTWTF	R109	Duffy	R111C
Econ. 353—Money and Banking.....		3	9-10:15 MTWTF	R210	Claunch	R202
O.A. 101—Elementary Typewriting.....		2	9-10:15 MTWTF	R107	Vietti	R111E
O.A. 129—Computing Machines.....		2	11-12:15 MTWTF	R106	Vietti	R111E
O.A. 304—Business Communications.....		2	8 MTWTF	R108	Vietti	R111E
Biol. 200—Field Studies in Biology.....		2	Arr. MTWTF	Audubon Camp, Norden, California.		
(See Director, Summer School for details)						
Chem. 192—Chemistry for High School Teachers.....		3	9-12 MTWTF	MS227	Williams, Kemp	MS202
EDUCATION						
Educ. 301—Intro. to Library Educ. and Reference Sources.....		3	1-2:15 MTWTF	L205	DeAngelo	L205
Educ. 302—Literature Selection for Children.....		3	10-11:15 MTWTF	L205	DeAngelo	L205
Educ. 500—Introduction to Graduate Study.....		2	9 MTWTF	E103	Newbry	E102
Educ. 501—The History and Philosophy of Education.....		3	7:35-8:50 MTWTF	E103	Brown	E108
Educ. 519—Problems in the Education of the Gifted.....		2	11 MTWTF	E208	Dunn	E208
E.Ed. 220—Human Growth and Development: Observa- tion and Laboratory Experience.....		3	9 MTWTF	E200	Orluck	E200

MAIN SESSION—Continued

Department number	Title	Sem. Credits	Hours; days	Classroom	Instructor	Office
(Laboratory arranged—1 hour daily)						
El.Ed. 322	Teaching of Elementary Arithmetic.....	2	10 MTWTF	E200	Orluck	E200
El.Ed. 323	Teaching of Elementary Language Arts.....	3	11-12:15 MTWTF	E211	Groberg	E211
El.Ed. 325	Teaching of Elementary Science.....	2	9 MTWTF	E104	Potter	E105
El.Ed. 329	Field Work and Clinical Practice in Elementary Education.....	3	1-2:15 MTWTF	E209	Groberg	E209
El.Ed. 330	Elementary and Junior High School Guid- ance, Diagnosis, and Evaluation.....	3	7:35-8:50 MTWTF	R214	Kermonian	R214
El.Ed. 336	Organ. and Management of Rural Schools.....	2	9 MTWTF	E207	Frugoli	E207
El.Ed. 424	Teaching of Elementary Social Studies.....	3	7:35-8:50 MTWTF	E207	Reed	E210
El.Ed. 426	Prin. of the Elementary School Curriculum.....	2	9 MTWTF	E201	Wiley	E206
El.Ed. 427	Supervised Teaching in the Elem. Grades.....	2	Arr.	Arr.	Reed	E210
El.Ed. 428	Supervised Teaching in the Elem. Grades.....	4-6	8-12 MTWTF	Arr.	Staff	E206
El.Ed. 434	Reading in the Elementary School.....	2	1-2 MTWTF	E211	Staff	E211
El.Ed. 520	Problems in Child Development.....	2	7:35-8:30 MTWTF	E208	Dunn	E208
El.Ed. 522	Problems of Teaching Arith. and Science.....	2	1-2 MTWTF	E200	Orluck	E200
El.Ed. 528	Individual Research in Elem. Education.....	1-4	Arr.	E206	Wiley	E206
El.Ed. 529	Seminar in Elementary Education.....	1-2	10 MTWTF	E201	Dunn, Wiley	E206
Sch.Adm. 571	Organization and Administration of the Elementary Schools.....	2	11 MTWTF	E211	Reed	E210
Sch.Adm. 575	The Educational Plant.....	2	9 MTWTF	R212	Kermonian	R212
Sch.Adm. 577	Principles and Practices in School Law.....	2	10 MTWTF	E105	Brown	E108
Sch.Adm. 582	Supervision in the Public Schools.....	3	11-12:15	R213	Tucker	E205
Sch.Adm. 584	Organ. and Admin. of Guidance Services.....	2	11 MTWTF	R212	Cross	E212
Sch.Adm. 588	Individual Research in School Admin.....	2	Arr.	E205	Tucker	E205
Sch.Adm. 590	Supervision of Student Teaching.....	2	10 MTWTF	R212	Carroll	R212
Sch.Adm. 596	Adult Education.....	2	11 MTWTF	R204	Carroll	R204
Sec.Ed. 340	An Introduction to Guid. and Counseling.....	3	10-11:45 MTWTF	R214	Cross	R214
Sec.Ed. 341	General Principles, Materials, and Methods of Secondary Education.....	3	7:35-8:50 MTWTF	E200	McKown	E102
Sec.Ed. 343	Methods and Materials in Teaching English.....	2	11 MTWTF	E103	Newbry	E102
Sec.Ed. 442	Junior High School Instruction.....	3	7:35-8:50 MTWTF	R204	Carroll	R204
Sec.Ed. 456	Noninstructional Responsibilities of the High School Teacher.....	2	11 MTWTF	E200	McKown	E102
Sec.Ed. 541	Combined Studies for the Secondary School.....	2	8 MTWTF	E104	Potter	E102

Sec.Ed. 546—Secondary Education Curriculum.....	2	10 MTWTF	E104	Potter	E102
Sec.Ed. 548—Problems in the Teaching of Secondary Subjects (Home Economics).....	1-3	TBA MTWTF	HE204	Tripple	HE202
Sec.Ed. 558—Individual Research in Secondary Education.....	1-4	Arr.	E102	Newby	E102
Eng. A—Elementary Composition.....	0	7:35 MTWTF	H110	Grieder	H102a
Eng. 101—Composition and Rhetoric.....	3	7:35 MTWTF	H108	Morrison	H201
Eng. 102—Composition and Rhetoric.....	3	11:15 MTWTF	H110	Grieder	H102a
Eng. 141—Introduction to the Short Story.....	2	11 MTWTF	H204	Woods	H111
Eng. 181—Vocabulary and Meaning.....	2	8 MTWTF	H204	Woods	H111
Eng. 441—American Literature.....	2	9 MTWTF	H204	Woods	H111
Eng. 482—The Victorian Period.....	3	10-11:15 MTWTF	H204c	Morrison	H201
Geog. 103—Physical Geography.....	3	8-9:15 MTWTF	M207	Kersten	M202
Geog. 486—Assa.....	3	10-11:15 MTWTF	M207	Kersten	M202
Hist. 312—The Westward Movement in the U. S.....	2	9-9:50 MTWTF	S101	Elliott	S105
Hist. 422—History of Russia.....	3	9-10:15 MTWTF	S206	Shepperson	S203a
Hist. 501—Graduate Seminar.....	2-3	10-11:15 MTWTF	S101	Elliott	S105
Home Ec. 306—Communication in Home Economics.....	2	10-11 MTWTF	HE203	Tripple	HE202
Home Ec. 500—Graduate Problems in Family Economics.....	2	9 MTWTF	HE213	Wells	HE208
Home Ec. 503—Graduate Problems in Home Management.....	2	11-12 MTWTF	HE204	Wells	HE208
Journ. 320—Publicity Methods.....	2	11-12 MTWTF	J105	Higginbotham	J105
Journ. 368—The Special Feature Article.....	2	9 MTWTF	J105	Higginbotham	J105
Math. 101—Intermediate Algebra.....	2	9 MTWTF	NA321	Oakley	MS223
Math. 102—Plain Trig.....	2	10 MTWTF	NA321	Oakley	MS223
Math. 105—Arithmetic.....	2	11 MTWTF	NA321	Oakley	MS223
Math. 192—Recent Trends in High School Math.....	2	9-12 MTWTF	MS222	Silberman, Demers	MS224
Mil.Sci. 303—Summer Camp.....	2	Arr.	Arr.	Staff	
MUSIC					
Music 111—311—University Singers.....	1	11-12 MTWTF	1090 AG	Macy	OG
Music 153—453—Voice.....	6	Arr.	OG	Macy	OG
Music 157—457—Woodwind Instruments.....	1	Arr.	NGBR	Staff	NGBR
Music 324—Teaching of Elementary Music.....	2	9-10:15 MTWTF	NGBR	Staff	NGBR
Music 447—Music Directors Workshop (July 13-17).....	1	MTWTF	Lake Tahoe	Macy-Sawhill	
Music 448—Instrumental Problems.....	2	10 MTWTF	NGBR	Staff	NGBR
* Music 449—Chorus Problems.....	2	9 MTWTF	E204	Macy	OG

* Alternate for Humanities 210.

MAIN SESSION—Continued

Department number	Title	Sum. Credits	Hours; days	Classroom	Instructor	Office
Nursing 103—The Profession of Nursing (Restricted to Registered Nurses).....		3	8 MTWTF	HE126	Haddad	HE109
Nursing 470—The Law and Nursing.....		3	11-12:30 MTWTF	HE126	Gilkey	HE107
Phil. 101—Introduction to Philosophy.....		2	9 MTWTF	H105b	Roelofs	H105a
Phil. 200—Philosophical Classics.....		2	10 MTWTF	H105b	Roelofs	H105a
Phil. 461—World Religions.....		2	11 MTWTF	H105b	Roelofs	H105a
Physics 192—Physics for High School Teachers.....		3	9-12 MTWTF	MS323	Barnes, Leifson	MS224
Phys.Ed. 471b—Theory and Practice of Directing Individual and Dual Sports (June 29-July 10).....		2	9-12 MTWTF	NG101	Hicks	NG101
Phys.Ed. 480—Teaching of Dance (June 22-July 5).....		2	9-12 MTWTF	NG	Harris	NG
Phys.Ed. 501—P. E. and Health Seminar (July 13-24).....		2	9-12 MTWTF	NG3	Puckett	NG3
Pol.Sci. 101—American National Government.....		3	7:35-8:50 MTWTF	S204	Roberts	S203c
Pol.Sci. 102—State and Local Government.....		3	11-12:15 MTWTF	S204	Roberts	S203c
Pol.Sci. 408—World Politics.....		2	11-12:15 MTWTF	S206	Driggs	
Pol.Sci. 416—Political Parties.....		2	8-8:50 MTWTF	S102	Driggs	S105e
Pol.Sci. 427—American Foreign Policy.....		2	10-10:50 MTWTF	S102	Driggs	S105e
Psych. 201—General Psychology.....		3	11-12:15 MTWTF	R207	Day	E203
Psych. 231—Psychology of Adolescence.....		3	9 MTWTF	R206	McQueen	E203
Psych. 310—Statistical Methods in Psych. and Education.....		3	7:35-8:50 MTWTF	R207	Day	E203
Psych. 311—Psychological Tests.....		3	7:35-8:50 MTWTF	E201	Smith	E203
Psych. 321—Educational Psychology.....		3	11-12:15 MTWTF	E201	Smith	E203
Soc. 352—Juvenile Delinquency.....		3	11-12:15 MTWTF	R206	Staff	E203
Soc. 375—Marriage and the Family.....		2	7:35-8:50 MTWTF	R206	Staff	E203
Speech 111-112—Public Speaking.....		2	8 MTWTF	T20	Griffin	T13-15
Speech 259—Phonetics.....		2	8 MTWTF	T20	Anderson	T13
Speech 317—Advanced Argumentation and Persuasion.....		2	9 MTWTF	T20	Griffin	T13-15
Speech 412—Correction of Speech Defects.....		3	9-10:15 MTWTF	T22	Anderson	T13
Speech 416—History of Public Address (American Oratory).....		2	11 MTWTF	T20	Griffin	T13-15
Zool. 335—Ornithology (Bird Study Lab.).....		3	9 MTWTF 1-5 T,Th.	H105	Ryser	H200h

POST SESSION

(Registration is on preceding Saturday, August 1, 8:30 a. m.—12:00 m., College of Education Building and Ross Hall)

Two to Three Weeks, Monday, August 3 to Friday, August 14; Monday, August 17 to Friday, August 21, 1959

Department number	Title	Sem. Credits	Hours; days	Classroom	Instructor	Office
Biol. 200—Field Studies in Biology.....		2	Arr. MTWTF	Summer Camp, Norden, California		
Educ. 401—Audio-Visual Meth. in Teaching (Aug. 3-21).....		3	9-12 MTWTF	E104	Potter	E105
Educ. 528, 558, 588—Individual Research (Aug. 3-21).....		1-3	Arr.	Arr.	Staff	
El.Ed. 322—Teaching of Elem. Arithmetic (Aug. 3-21).....		3	9-12 MTWTF	E207	Reed	E210
Sch.Adm. 590—Supervision of Student Teaching.....		1-2	9-12 MTWTF, 1-4 MTWTF	E105	Holstine	E100
Sch.Adm. 598—Ind. Research in Adult and Teacher Edu.....		1-2	9-12 MTWTF	E105	Holstine	E100
Sec.Ed. 358—Basic Course: Driver and Traffic Education.....		2	9-12 MTWTF	R105	Neyhart	R105
Sec.Ed. 358a—Advanced Driver Training.....		2	1-4 MTWTF	R105	Neyhart	R105
Sec.Ed. 455b—Workshop in Voc. Education (Aug. 17-21).....		3	9-12 MTWTF	R105	Staff	R105
Hist. 314—Western North America.....		2	9-12 MTWTF	S101	Hutcheson	S105f
Hist. 408—Europe since 1914.....		2	9-12 MTWTF	S206	Shepperson	S205b
Home Ec. 455a—Workshop in Voc. Education (Aug. 17-21) ..		1	9-12 MTWTF	HE126	Tripple	HE202
Phil. 455—Aesthetics.....		2	9-12 MTWTF	R212	Halberstadt	MH201
Music 503—Opera Literature.....		2	9-12 MTWTF	E204	Fuerstner	E205

SCHEDULE OF COURSES

SOUTHERN REGIONAL DIVISION, LAS VEGAS, NEVADA

For further details, please write to Dean William Carlson, University of Nevada, Southern Regional Division, Las Vegas, Nevada.

FIRST TERM—June 8 to June 19 (Maximum Academic Load—2 credits)

Allowance has been made for two 10-minute breaks daily for the 2-credit courses; one 10-minute break for the 1-credit courses.

Department number	Title	Sem. Credits	Hours; daily	Classroom	Instructor
Ed. 415—	Fundamentals of Aviation Education.....	2	8-11 MTWTF	109	Derfelt
*El.Ed. 338—	Fund. and Teaching of Conservation.....	2	8-11 MTWTF	103	Jeffers
*Geog. 338—	(Same as El.Ed. 338—See above)				
Math. 105—	Arithmetic.....	2	8-11 MTWTF	106	Graham
*P.E. 341—	Adm. and Org. of Athletics and P. E. (Men only).....	2	6:30-9:30 p. m., MTWTF	102	Drakulich
*P.E. 381—	Camping and Outdoor Education.....	2	†8-10:40 MTWTF	Arr.	Mason
†P.S. 201—	Constitution of U. S.....	1	8-9:30 MTWTF	105	Bushnell
†P.S. 202—	Constitution of Nevada.....	1	10:30-12 MTWTF	105	Bushnell
Sec.Ed. 455—	Workshop in Vocational Education (Guidance and Testing Workshop).....	2	8-11 MTWTF	102	Peters
*Speech 411—	The Bases of Speech.....	2	8-11 MTWTF	104	Brink

SECOND TERM—June 22 to July 31 (Maximum Academic Load—6 credits)

Allowance has been made for one 10-minute break daily for all courses except those scheduled for 7:50 a. m.

Ed. 321—	(Same as Psych. 321—See below)				
Ed. 401—	Audio-Visual Methods in Teaching.....	3	1:30-3:30 MTWTF	109	Derfelt
*El.Ed. 311—	Prin. and Meth. of El.Ed.....	3	10:40-12:10 MTWTF	106	Worley
*El.Ed. 430—	The Integrated Curriculum.....	3	9-10:30 MTWTF	106	Worley

Eng. 241—Survey of American Literature.....	3	9-10:30 MTWTF	102	Moe
*Eng. 385—Descriptive Grammar.....	2	7:50-8:50 a. m., MTWTF	102	Moe
Geog. 106—Cultural Geography.....	3	1-2:30 MTWTF	105	Jeffers
Hist. 102—United States.....	3	10:40-12:10 MTWTF	105	Cline
Hist. 331—Nevada History.....	3	9-10:30 MTWTF	105	Cline
Psych. 201—General Psychology.....	3	9-10:30 MTWTF	103	Orleans
Psych. 321—Educational Psychology.....	3	10:40-12:10 MTWTF	103	Orleans
(Same as Ed. 321.)				
Sec.Ed. 442—Junior High School Instruction.....	3	10:40-12:10 MTWTF	109	Derfelt
*Speech 219—Play Production (Workshop).....	2	1:30-5:30 MTWTF	Theatre	Brink
*Speech 315—Prin. and Tech. of Pub. Discussion.....	3	10:40-12:10 MTWTF	102	Brink

THIRD TERM—August 3 to August 14 (Maximum Academic Load—2 credits)

Allowance has been made for two 10-minute breaks daily for each class.

Ed. 306—Org. and Classification of Lib. Materials.....	2	8-11 MTWTF	102	Martin
El.Ed. 327—Methods and Materials Teaching P. E. in Elementary School.....	2	8-11 MTWTF	103	Mason
El.Ed. 334—Kindergarten Education.....	2	8-11 MTWTF	106	Worley
*P. E. 430—Psychology of Coaching.....	2	6:30-9:30 p. m., MTWTF	102	Drakulich
Sch.Ad. 572—Org. and Adm. of Secondary Schools.....	2	8-11 MTWTF	109	Derfelt
Speech 211—Public Speaking.....	2	8-11 MTWTF	105	Moe

*These courses have not been offered previously in Nevada Southern.

†These courses may be taken concurrently or separately.

‡Include three field trips, 7 a. m. to 3 p. m.: Friday, June 12; Tuesday, June 16 and Thursday, June 18.

1959 OFF-CAMPUS SUMMER SESSION

ELKO

Department number	Title	Sem. Credits	Hours : daily	Classroom	Instructor
El.Ed. 335—Creative Experiences in Kindergarten- Primary Curriculum (June 8-26).....		3	9-12 a. m., MTWTF	Grammar Sch. No. 1	Holland
Educ. 402—Workshop in School Library Problems (June 29-July 17).....		3	9-12 a. m., MTWTF	Grammar Sch. No. 1	Staff
Pol.Sci. 310—Problems in American Government (August 3-21).....		3	9-12 a. m., MTWTF	Grammar Sch. No. 1	Staff

ELY

Hist. 421—History of Russia (June 1-19).....		3	9-12 a. m., MTWTF	Grade Sch.	Chase
El.Ed. 335—Creative Experiences in Kindergarten- Primary Curriculum (June 29-July 17).....		3	9-12 a. m., MTWTF	Grade Sch.	Holland
El.Ed. 325—Elem. Science (July 20-August 7).....		3	9-12 a. m., MTWTF	Grade Sch.	Staff

HAWTHORNE

Psych. 241—Mental Hygiene (June 1-19).....		3	9-12 a. m., MTWTF	Elem. Sch.	Day
Zool. 203—Vertebrate Zool. (June 22-July 10).....		3	9-12 a. m., MTWTF	Elem. Sch.	La Rivers

YERINGTON

Psych. 450—Intro. to Clinical Psych. (June 22-July 31).....		3	9-10:30 a. m., MTWTF	Elem. Sch.	Dana
Psych. 433—Problems in Child Psych. (June 22-July 31).....		3	10:30-12 a. m., MTWTF	Elem. Sch.	Dana



DIRECTOR OF SUMMER SCHOOL
UNIVERSITY OF NEVADA
RENO, NEVADA

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1959

Sessions:

First—June 8-19

Main—June 22-July 31

Post—August 3-14

Long—June 8-July 10

July 13-August 14

Vocational—August 17-21

Note—Registration is on the preceding Saturday.

*Summer Study in Reno's Vacationland
Gateway to 1960 Winter Olympics*