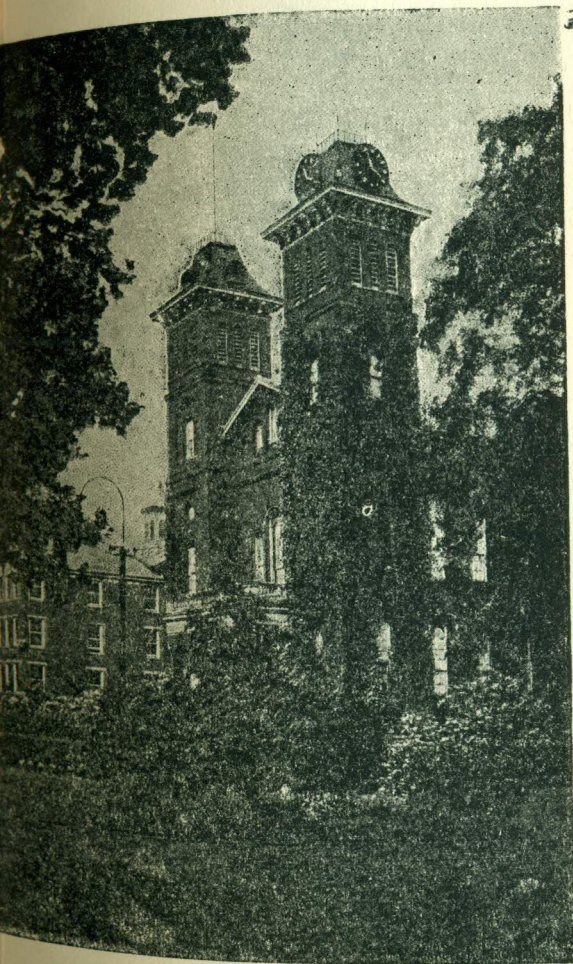


SUMMER SESSION
INCLUDING
COURSES IN INDUSTRIAL ARTS



1934

THE CALIFORNIA
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STATE TEACHERS
COLLEGE, CALIFORNIA
PENNSYLVANIA

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1934 Summer Session June 18 to July 28

REGISTRATION---JUNE 18

CLASSES BEGIN---JUNE 19

The 1934 Summer Session will be six weeks in length. The semester hour load is limited to six credits. The college will offer courses which are required for a degree in elementary or secondary education and for the special field of Industrial Arts education. Courses are offered to validate a college provisional certificate as a permanent license to teach.

STATE TEACHERS COLLEGE CALIFORNIA, PENNSYLVANIA

ROBERT M. STEELE, *President*

Why

*students enjoy the summer
sessions at California*

All classes are met in the forenoon.

Excellent social advantages are provided.

Cool and comfortable dormitories are used.

Electric coolers provide cold drinking water
in the halls and the dormitories.

Concrete roads make travel by automobile
easy.

Excellent railroad service is available.

A large variety of courses are offered.

The faculty is well trained and experienced
in public schools.

The laboratories and class rooms are well
equipped.

The library has the latest professional books
and magazines.

Industrial Arts courses for the modern school
are available.

The credits are transferable to other ac-
credited colleges.

The college is approved by the American
Association of Teachers Colleges.

The session closes in July permitting a
vacation in August.

The expenses are very low.



PURPOSES OF THE SUMMER SESSION

1. To enable teachers in service to renew their partial elementary certificates.
2. To permit teachers in service to secure the Temporary Standard certificate or State Standard Limited certificate.
3. To help students complete the two-year Normal certificate.
4. To offer work toward the completion of a degree in Education.
5. To aid students of the regular college year to make up deficiencies.
6. To complete the required work in less than the regulation time.
7. It is not the purpose to admit recent high school graduates. Students who have not previously attended a college are admitted only in September. **Admission to the summer session does not guarantee a place in our enrollment for the regular semester.**

STANDARD CERTIFICATE

Teachers who hold a partial elementary certificate and who desire information as to the remaining courses required for the Temporary Standard certificate should write to the Teacher Division, Department of Public Instruction. **TO AVOID DISAPPOINTMENT, NO OTHER ADVICE SHOULD BE TAKEN.**

Those who do not hold a partial elementary certificate but are working for a Standard certificate can receive only a State Standard Limited. This certificate is valid for three years. It is secured by completing the first two years of work of an approved elementary curriculum including at least six credits of student teaching.

GRADUATION

Students who desire to work toward the completion of a curriculum should consult with the Dean of Instruction for an evaluation of work to be completed. Students working toward a degree should keep in mind that the curricula were revised during the summer of 1931 and evaluations made prior to that time must be reevaluated in the light of new requirements. Evaluations cannot be made during the ten day period immediately before or following registration day.

Students who complete the two year curriculum will be given a certificate at the close of the summer session. Students who complete the four year curriculum will be required to return in May, 1935 for graduation exercises. Students expecting to complete a curriculum should check with the Registrar to make certain that all requirements have been met.

STUDENT TEACHING

The Demonstration School will be in operation during the summer and provision will be made for a limited amount of student teaching. This work is planned for teachers who have had satisfactory experience and who have previously attended this college. Arrangements for this work **MUST BE MADE IN PERSON BEFORE JUNE 1** with Dr. Thomas M. Gilland, the Director of the Training School.

CURRICULA

Requirements for admission and graduation may be secured by special request. The regular catalogue outlines the course requirements for each curriculum.

COLLEGE GRADUATES

Students completing a four year curriculum and receiving a degree from any college who wish to teach in the public schools must also secure a College Provisional Certificate which is issued by the Department of Public Instruction. This certificate is a license to teach for only three years. It indicates the subjects or the fields in which the holder is permitted to teach. One requirement to make the college provisional certificate a life license to teach is the completion of six additional credits, three in education and three in the field for which the certificate is valid.

Courses starred in this bulletin may be taken to validate a College Provisional Certificate for a life license to teach. Several courses not starred could be used if they were not part of the degree curriculum. Students who wish to pursue courses for this purpose should consult the Dean of Instruction.

FACTS TO OBSERVE IN MAKING A CHOICE OF COURSES

In the selection of courses students should keep in mind their particular needs as to type of certificate, course requirements, and means of travel. In case of conflicts, students should consult the Dean of Instruction. Schedules will be made for students as requests are received provided the advance registration fee or room reservation deposit accompanies the request. Classes will be closed when the maximum enrollment for good work is reached. Courses in which there are fewer than ten students enrolled will not be given. The assignment of instructors to the various courses may be changed.

COURSES OFFERED — 1934 SUMMER SESSION

ART

1. **Art (1).** Emphasis is on materials used in developing industrial art projects in the elementary grades. Required in the elementary curricula.
——— - 2 credits - M. T. Th. S - 7:45-9:00 - Room S201
2. **Art (3).** This is a course in methods and exercises used to develop an adequate program in elementary art education. Required in the elementary curricula.
——— - 2 credits - Daily - 9:00-9:50 - Room S201
3. **Art (4).** This course stresses the chief periods in the history of art and is designed to develop an appreciation of art. Required in all curricula.
——— - 2 credits - M. T. W. F. - 11:05-12:20 - Room S201

EDUCATION

1. **Educational Measurements.** A study of elementary statistics, of standardized tests, and new type test-making. Required in all curricula.
Neagley - 2 credits - Daily - 9:00-9:50 - Room 205
- *2. **Extra--Curricular Activities.** This course deals with underlying principles as well as practical suggestions for organizing and conducting extra-curricular activities.
Kriner - 3 credits - Daily - 7:45-9:00 - Room 209
3. **History and Philosophy of Education.** This course shows by historical treatment of education how we arrived at our present conception and how we may develop a sane philosophy. Required in all curricula.
Neagley - 4 credits - Daily - 7:30-9:00 - Room 205
4. **Introduction to Teaching.** This course furnishes the basic technical vocabulary and concepts for the understanding and appreciation of our educational system. Required in all curricula.
Neagley - 3 credits - Daily - 9:50-11:05 - Room 205

5. **The Pre-School Child.** This course presents various phases of child development, methods for studying the pre-school child, and guidance in human development. Required in primary curriculum. Wilson - 2 credits - Daily - 9:00-9:50 - Room H103.
- *6. **Problem Cases in the Elementary School and Individual Testing** This is a practical course dealing with the testing and teaching of abnormal pupils. Wilson - 3 credits - Daily - 9:50-11:05 - Room H103.
- *7. **Problem Cases in Secondary Schools.** This course deals with the inferior and superior pupils, methods of finding and dealing with them. Wilson - 3 credits - Daily - 9:50-11:05 - Room H103.
- *8. **Problems of Elementary Administration and Supervision.** A course to aid elementary principals in their problems, for college graduates who are working in the elementary field, and for students who aspire to become principals. Gilland - 3 credits - Daily - 7:45-9:00 - Room D101.
9. **Psychology (2).** This course stresses the learning process and the general characteristics of children at different levels of growth. Required in all curricula. Wilson - 3 credits - Daily - 11:05-12:20 - Room H103.
10. **Teaching of Primary Subjects.** This course includes methods and techniques for the teaching of spelling, language, social studies, and geography in the first three grades. Required in primary curriculum. Stuart - 3 credits - Daily - 9:50-11:05 - Room D101.
11. **Teaching of Reading.** This course is designed to furnish an understanding of the best methods for teaching reading in the elementary grades. Required in elementary curricula. Stuart - 3 credits - Daily - 11:05-12:20 - Room D101.
12. **Technique of Teaching.** This course is designed to bring into clear relief the technique of effective teaching. Required in all curricula. Stuart - 2 credits - Daily - 9:00-9:50 - Room D101.

ENGLISH

1. **Contemporary Poetry.** This is a course designed to furnish a pleasant and profitable introduction to recent poetic movements through lectures, class discussions, and readings in the works of the poets. English elective. Keller - 3 credits - Daily - 7:45-9:00 - Room 116
2. **Dramatic English.** This course is designed to develop the student's appreciative and creative abilities as well as his knowledge of dramatic technique and production. English elective. Mase - 3 credits - Daily - 7:45-9:00 - Clio
3. **English Activities.** This course, devoted principally to oral work, assists the student in improving his own speech and in helping others to present their ideas in a more pleasing and acceptable manner. Required in all curricula. Mase - 3 credits - Daily - 9:50-11:05 - Clio

4. **English (1)** This is an introductory college English course stressing good usage through technical study and composition writing. Required in all curricula. _____ - 3 credits - Daily - 7:45-9:00 - Room D201
5. **English (2)** This course is a continuation of English (1) with added emphasis on composition. Required in all curricula. _____ - 3 credits - Daily - 7:45-9:00 - Room D201
6. **English (3)** This course continues the habits in usage and technique begun in English (1) and (2) and is applied to practical educational problems. Required in all curricula. _____ - 3 credits - Daily - 11:05-12:20 - Room D201.
- *7. **Foreign Classics.** This is an extensive course designed to acquaint students with outstanding contributions to foreign literature. English elective. Hughey - 3 credits - Daily - 11:05-12:20 - Room 206
8. **Literature (1)** This course is a survey of English and other foreign literatures to give the student the background necessary for the enrichment of his ability to appreciate literature. Required in all curricula. Hughey - 3 credits - Daily - 9:50-11:05 - Room 206.
9. **Literature (2)** This course is a survey of American literature with special emphasis on Pennsylvania's contribution. Required in all curricula. Hughey - 3 credits - Daily - 7:45-9:00 - Room 206.
10. **Pre-Shakespearean Literature.** This course, which prepares for an intelligent, comprehensive study of Shakespeare, centers around the study of Beowulf, Chaucer, More, Spenser, and as many Pre-Shakespearean plays as the time permits. English elective. Keller - 3 credits - Daily - 11:05-12:20 - Room 116.
11. **Shakespeare.** This course seeks to give students an appreciative knowledge of Shakespeare through the intensive study of some of his greatest plays and the outside reading of others. The number of plays included will be determined by the class and the time. English elective. Keller - 3 credits - Daily - 9:50-11:05 - Room 116.
12. **Speech Problems.** This course presents the psychological and physiological approach necessary for the recognition and correction of speech disorders. Required in primary curriculum. Mase - 2 credits - Daily - 9:00-9:50 - Clio.

GEOGRAPHY

- *1. **Geographical Influences in United States History.** This is a course designed to show the relationships which have existed through time between the activities of people and the natural environmental complex. Geography elective. Harding - 3 credits - Daily - 7:45-9:00 - Room S202.

2. **Geography of Eastern Hemisphere.** This course stresses the problems of the Eastern Hemisphere as they are found today. Required in intermediate curriculum
 ——— 3 credits - Daily - 11:05-12:20 - Room S204
3. **Geography of Europe.** This course stresses modern problems in connection with the geography of the European nations. Geography elective
 Harding - 3 credits - Daily - 9:50-11:05 - Room S202
4. **Geography of Latin America.** This course gives a detailed statement of the various Latin American countries including South America, Central America and Mexico. Geography elective
 ——— 3 credits - Daily - 9:50-11:05 - Room S204
5. **Geography of the Pacific Realm.** This course stresses the physical and political relationships of the Asiatic and Eastern Pacific territories. Geography elective
 Harding - 3 credits - Daily - 11:05-12:20 - Room S202
6. **Geography of the United States and Canada.** This course considers in detail the geographical features of the United States and Canada. Geography elective.
 ——— 3 credits - Daily - 7:45-9:00 - Room S204

HANDWRITING

1. **Handwriting.** This is a course which includes letter formation as well as the physiology and psychology of handwriting. Required in all curricula.
 ——— 1 credit - M. W. F. - 9:00-9:50 - Room D201

HEALTH and PHYSICAL EDUCATION

1. **Personal Health and Nutrition.** General care of the body and personal health are stressed in this course. Required in elementary curricula.
 ——— 3 credits - Daily - 9:50-11:05 - Room H102
2. **Physical Education (1) or (2)** This course will specialize in several activities chosen by the class. Required in all curricula.
 ——— -1 credit - M. W. F. - 7:45-9:00 - Herron Hall.
3. **Physical Education (3) or (4)** This course deals with those activities which the teacher needs for the first six grades. Required in elementary curricula.
 ——— -1 credit - M. T. Th. F. - 9:00-9:50 - Herron Hall
4. **School and Community Hygiene.** This course deals with the community health in which every school should be interested. Required in all curricula.
 ——— -3 credits - Daily - 11:05-12:20 - Room H102.

INDUSTRIAL ARTS - The shops are open each afternoon for work.

1. **Shop 1 (Woodworking 1)** This is the first course which deals with fundamentals of woodworking, including the use and care of bench tools, the operation of woodworking machinery, and wood finishing.
 Crawford - 4 credits - Daily - 1:00-3:30 - Industrial Arts Bldg.

2. **Shop 6 (Woodworking 2)** This is the second course in wood which includes advanced machine work, wood turning, the operation of spray painting, finishing equipment, and the organization of instructional material.
 Coover - 4 credits - Daily - 1:00-3:30 - Industrial Arts Bldg.
3. **Shop 3 (Printing 1)** A first course in printing. Fundamentals of typography, setting straight matter and simple display jobs. Press work.
 Walker - 4 credits - Daily - 9:00-12:20 - Room S300
4. **Shop 8 (Printing 2)** This is an advanced course in printing, using the monotype machine and cylinder press.
 Walker - 4 credits - Daily - 9:00-12:20 - Room S300
5. **Shop 2 (Sheet metal 1)** This is a course which deals with the fundamental work in sheet metal. Instruction is given in seaming, riveting, forming, and soldering. Projects suitable for junior and senior high school boys are worked out.
 ——— 4 credits - Daily - 1:00-3:30 - Industrial Arts Bldg.
6. **Shop 4 (Machine 1)** This is the first course which deals with the fundamental machine tools and their operation including complete instructions on the engine lathe and aluminum moulding.
 Coover 4 credits - Daily - 9:00-12:20 - Industrial Arts Bldg.
7. **Shop 7 (Machine 2)** This is the second course in machine which includes milling, machine planer, shaper, advanced engine lathe work, and the heat treatment of steel.
 ——— - 4 credits - Daily - 9:00-12:20 - Industrial Arts Bldg
8. **Shop 5 (Electricity 1)** This course deals with the fundamental principles of electricity in theory and in practice including work in bell, annunciator, burglar and fire alarms, and various types of house wiring systems.
 Crawford - 4 credits - Daily - 9:00-12:20 - Industrial Arts Bldg.
9. **Shop 8 (Electricity 2)** This second course includes advanced theory and practice, motors, their construction and use; DC motor and generator installation and use; AC motor and generator installation, starting and use; building and rewinding simple motors; and projects for junior high schools.
 Crawford - 4 credits - Daily - 9:00-12:20 - Industrial Arts Bldg.
10. **Shop 6 (Art Metal)** Methods of applying the design to copper, brass, and pewter are taught in this course. Representative projects are: letter openers, book ends, and lanterns.
 Coover - 4 credits - Daily - 1:00-3:30 - Industrial Arts Bldg.
11. **Drawing and Design 1 (Wood design)** The use of drawing instruments, orthographic projection, sectional representation, tracings, and blue print making.
 Crawford - 2 credits - Daily - 7:45-9:00 - Industrial Arts Bldg.
12. **Drawing and Design 2. (Metal design)** This course includes practical problems in sheet metal drafting. Work shop problems, such as arise in everyday practice are presented.
 Coover - 2 credits - Daily - 7:45-9:00 - Industrial Arts Bldg.

13. **Drawing and Design 3 (Printing Design)** This course studies the principles of design and color as applied to a printing job.
Walker - 2 credits - Daily - 9:00-9:50 - Room S300
14. **Drawing and Design 4 (Machine Design)** This course gives special emphasis to machine design, tracing, blue print making, and commercial drawing practice.
—— - 2 credits - Daily - 7:45-9:00 - Industrial Arts Bldg.
15. **Drawing and Design 5 (Electrical drafting)** This course includes a complete set of drawings for bell, annunciator, burglar and fire alarms, detailed house wiring plans including materials, fixtures, labor, and meter service entrance.
Crawford - 2 credits - Daily - 7:45-9:00 - Industrial Arts Bldg.
16. **Drawing and Design 7 (Individual Instruction Sheets)** This course deals with the organization of instructional material in graphic form for all of the general shop units; wall charts, blackboard drawing and blue-printing.
Coover - 2 credits - Daily - 7:45-9:00 - Industrial Arts Bldg.

MATHEMATICS

1. **Analytic Geometry.** This course stresses the idea of graph of a function and discusses the properties of the simpler geometric curves. Mathematics elective.
—— - 3 credits - Daily - 9:50-11:05 - Room 105
2. **Arithmetic (1)** A study of the subject matter and method of teaching arithmetic in the elementary grades. Required in elementary curricula.
Salisbury - 3 credits - Daily - 7:45-9:00 - Room 111
3. **Arithmetic (2)** This course deals with diagnoses and remedial teaching of arithmetic in the intermediate grades. Required in intermediate curriculum.
Salisbury - 3 credits - Daily - 11:05-12:20 - Room 111
4. **College Algebra.** This course begins with the algebra of the high school, and emphasizes the quadratic equation, the binomial theorem, series, and logarithms. Mathematics elective.
—— - 3 credits - Daily - 7:45-9:00 - Room 105
5. **Math. Analysis (1)** This is the first course in the fundamentals of college mathematics. Mathematics elective.
Salisbury - 3 credits - Daily - 9:50-11:05 - Room 111
6. **Teaching of Junior High School Mathematics.** This is a course in the choice and arrangement of subject matter as well as methods of teaching mathematics in high school. Mathematics elective.
—— - 3 credits - Daily - 11:05-12:20 - Room 105

MUSIC

1. **Music (1)** Sight and rote singing, ear training, dictation, etc., as needed in the elementary school are stressed in this course. Required in elementary curricula.
Halstead - 2 credits - Daily - 11:05-12:20 - Room 209

2. **Music (2)** This course is the second half of the work shown under Music (1) Required in elementary curricula.
Halstead - 1½ credits - Daily - 9:00-9:50 - Room 209
3. **Music (3)** This course deals with the development, great contributors and appreciation of various forms of music. Required in all curricula.
Halstead - 2 credits - Daily - 9:50-11:05 - Room 209

SCIENCE

1. **Anatomy.** A course based on the anatomy and physiology of the chordates with their suggested lines of evolution and their several values to man. Biological science elective.
Hurst - 3 credits - Daily - 11:05-12:20 - Room S101
- *2. **Astronomy** A course designed to give knowledge concerning the constellations, determination of time, the elements of the solar system, our galactic system and other objects of the heavens.
Hurst - 3 credits - Daily - 7:45-9:00 - Room S101
3. **Botany (2)** A course dealing with the structure and physiology of the thallophytes, bryophytes and pteridophytes together with their economic importance and occurrence in geologic time. Biological science elective.
Hurst - 3 credits - Daily - 9:30-11:05 - Room S101-4
4. **Chemistry (2)** A course dealing with the study of the metallic elements, theories of their behavior, their occurrence and industrial uses. Science elective.
Sutherland - 3 credits - Daily - 9:30-11:05 - Room S2-3
5. **Physics (2)** A course in which the phenomena of magnetism, electricity and light are studied. Science elective.
Sutherland - 3 credits - Daily - 7:30-9:00 - Room S1-3
6. **Science (3) (Nature Study)** A course intended to develop an appreciation of the beauties and wonders of, and give actual acquaintance with, the common forms and phenomena of biological nature. Required in elementary curricula.
Sutherland - 3 credits - Daily - 11:05-12:20 - Room S103
7. **Zoology (2)** A course based on the study of the anatomy and physiology of the various phyla of the invertebrates, their evolution, interdependence and importance to man. Biological science elective.
Walker - 3 credits - Daily - 7:30-9:00 - Room S103

SOCIAL STUDIES

1. **American Government.** This course analyzes our federal, state, and local forms of government. Required in all curricula.
Edinger - 3 credits - Daily - 7:45-9:00 - Room H101
2. **European History (2)** This course covers the European History from 1815 to the present. Social Studies elective.
Gilmore - 3 credits - Daily - 9:50-11:05 - Room 202

3. **History of Civilization.** This course stresses the development of institutions which have been of a liberalizing nature and considered valuable by present civilization. Required in all curricula.
Gilmore - 3 credits - Daily - 11:05-12:20 - Room 202
- *4. **History of Latin America.** This course presents a survey of Latin American history, stressing the relationships with the United States. Social Studies elective.
Edinger - 3 credits - Daily - 11:05-12:20 - Room H101
5. **Social and Industrial U. S. History.** This course emphasizes the various social and economic forces which have been prevalent in the development of American history. Social Studies elective.
Edinger - 3 credits - Daily - 9:50-11:05 - Room H101
6. **United States History (2)** This course stresses the political history of the United States from 1865 to the present. Social Studies elective.
Gilmore - 3 credits - Daily - 7:45-9:00 - Room 202

ROOMS

A room may be reserved in advance by sending a registration deposit of \$10.00 with your first, second, and third choice of room. A room will not be reserved without a deposit. If a class schedule accompanies this deposit, course reservation will also be made. The room reservation will be held until 3 o'clock on the regular Registration Day. At that time, the reservation will be withdrawn unless students notify the college by wire or phone of their intention to arrive at the college later. The deposit will not be returned unless application for return is received at least three weeks before the opening of the college.

LIVING OUTSIDE DORMITORIES

Women will not be permitted to room or board outside of the dormitories except in the home of parents, grandparents, brother or sister, uncle or aunt, unless special permission has been granted by the President. ARRANGEMENTS MUST BE MADE WITH THE PRESIDENT BEFORE THE ROOMS ARE ENGAGED. No student will be permitted to room in houses not approved by the Housing Committee. Any change of address must be approved by the Dean of Women prior to the change.

EXPENSES EFFECTIVE FOR SUMMER SESSION OF 1934

* Advance Registration Deposit.....	\$10.00
Contingent fee (Minimum \$15) per credit.....	5.00
Student Activity fee.....	2.50
Out-of-state student (additional)	35.00
Board, room and laundry.....	42.00
Industrial Arts fee (additional).....	6.00
Degree fee (graduates of 4 year curriculum only).....	5.00

* This deposit will be credited to regular fees due on registration day.

A detailed statement concerning Fees, Deposits, and Repayments may be found in the regular catalogue.

SCHEDULES SHOULD BE MADE IN ADVANCE

Students may save considerable time on registration day by paying a \$10.00 registration fee in advance and requesting a schedule to be made out for them. SCHEDULES WILL NOT BE MADE IN ADVANCE UNLESS SUCH FEE IS PAID. Classes will be closed when the maximum number for good work is reached. A schedule made out in advance will guarantee a place in the class.

A student should decide as early as possible what courses are desired for the summer session.

Make checks payable to State Teachers College and send proposed schedule, registration fee, and request for room reservation to Registrar, State Teachers College, California, Pa.