

Catalog

1969-70 and 1970-71

New
Mexico
Military
Institute



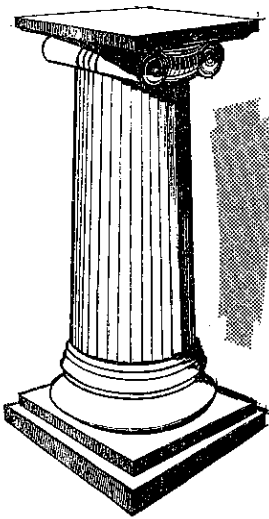
The primary purpose of the Institute is to mold young men into America's leaders by academic, military, athletic, and spiritual influences.

Founded in 1891 as the Goss Military Academy
Established by the Territory in 1893

Roswell
New Mexico

PREFACE

The following philosophy, quoted from an 1893 catalog, has prevailed through the years at NMMI and is as firm today as ever:



“It is the aim of this school to unite a careful scholastic training with physical vigor and healthy moral tone. Experience has proved that this end can be more fully attained in a school where the discipline is military than where it is not. The objective of the course of instruction is not to send out into the world a perfect soldier full-fledged, but to give the student a sure foundation theoretically and practically, so that he can make of himself what he may be capable of, to teach him the true significance of discipline, to instill in him the habits of regularity, to inspire him with a desire to increase his knowledge and, above all, to imbue him with that love of truth and honesty which will cause him to hold his good name above all that the world has to offer.”

That military discipline is firmly based on the New Cadet - Old Cadet system. The fundamental of discipline and its corollary, leadership, is immediate obedience to properly constituted authority with the concomitant suppression of selfish desires.

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See the complete Index for an alphabetical list of subjects covered in this Catalog. Patrons and students alike are reminded that the official Blue Book and other publications such as Special Orders and Memoranda also govern cadet life. The Catalog does not attempt a completely comprehensive statement of all circumstances which may arise. All statements made in this Catalog are subject to change by the Administration as circumstances may dictate.

CALENDAR

	1969-1970	1970-1971
Matriculation New Cadets	Sept. 5, '69	Aug. 28, '70
Reenrollment Returning Cadets	Sept. 8, '69	Aug. 31, '70
Registration Returning Cadets	Sept. 9, '69	Sept. 1, '70
Registration New Cadets	Sept. 10, '69	Sept. 2, '70
Classes Start	Sept. 11, '69	Sept. 3, '70
Last Day to Change Schedule	Oct. 3, '69	Sept. 18, '70
Last Day to Drop Course	Oct. 10, '69	Sept. 25, '70
Thanksgiving	Nov. 27, '69	Nov. 26, '70
Christmas Furlough Begins	Dec. 18, '69	Dec. 18, '70
Christmas Furlough Ends	Jan. 4, '70	Jan. 3, '71
First Half Year Ends	Jan. 23, '70	Jan. 15, '71
Second Half Year Begins	Jan. 26, '70	Jan. 18, '71
Last Day to change Schedule	Feb. 13, '70	Jan. 29, '71
Last Day to Drop Course	Feb. 20, '70	Feb. 5, '71
Easter Vacation	Mar. 26-31, '70	Apr. 9-13, '71
Commencement	June 4-6, '70	May 28-30, '71



ACCREDITATION AND AFFILIATION

The New Mexico Military Institute is a member of the American Association of Junior Colleges, and all of the work is accredited by membership in the North Central Association of Colleges and Secondary Schools. It is an important member of the American Association of Military Schools and Colleges. Its program is accredited by the Department of Education of New Mexico and by the University of New Mexico.

Graduates of the Institute in the armed forces of the United States, in the professions, and in the world of business have won for the school much distinction. The reputation of the school is nationwide, and its graduates are to be found in almost every walk of life.

DIRECTIONS FOR CORRESPONDENCE

Correspondence should be directed as follows:

Academic policy and problems: The Dean.

Admissions and transcripts of records: The Registrar and Director of Admissions.

Athletics: The Director of Athletics.

Financial Affairs: The Business Manager.

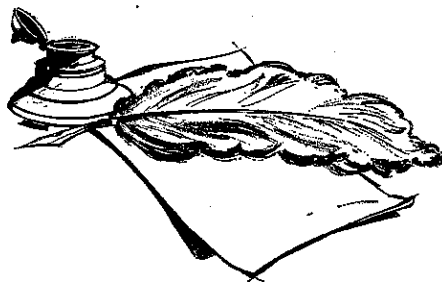
General Policy: The Superintendent.

Guidance and Counseling: The Director of Guidance.

Health of Cadets: Office of the Superintendent.

Regulations and problems concerning the Corps of Cadets: The Commandant of Cadets.

ROTC matters: The Professor of Military Science.





GENERAL POLICIES

The Board of Regents has outlined the general policies of the Institute. Accordingly, the Institute operates in the following fashion:

1. The New Mexico Military Institute is maintained at all times as an essentially military school.

2. Excellent and fully accredited academic and military departments are established and coordinated to prepare young men properly for both civilian and military life.

3. Believing that sound character is the basis of leadership, the Institute spares no effort to instill such virtues as frank truthfulness, strict reliability, and rigid honesty. To promote an atmosphere conducive to such character training, an honor system growing out of the sentiments of the Corps of Cadets and conducted by their representatives has been inaugurated and maintained.

4. The academic program commences with the Fifth Class (10th grade) and extends through the First Class and is vertically integrated throughout. A diploma is granted signifying the completion of the high school, and the degree of Associate in Arts is granted to graduates of the First Class.

5. The Superintendent is the chief executive officer. He is responsible to the Board of Regents for the operation and conduct of the Institute. All members of the staff and faculty are selected with a view to their special fitness and willingness to cooperate in and assist with the activities incidental to a program that is both academic and military. Cadets, faculty, and designated staff members wear prescribed uniforms. Cadets live in barracks and are subject to a carefully regulated manner of living and learning.

6. Neither day students, married students, nor students who have been married may be members of the Corps of Cadets.

7. All fiscal affairs are conducted on a strictly business basis. The school operates within the limits of its actual income with budgetary controls completely respected.

ADVANTAGES OF NEW MEXICO MILITARY INSTITUTE

New Mexico Military Institute offers the maturing student many advantages. Among them, the following are particularly noteworthy:

1. The Institute is a boarding school, well supervised and restricted in enrollment. Every cadet is an individual and is recognized as such.
2. The military system of the school encourages physical as well as mental development. Physical development is also furthered by compulsory athletics.
3. Mental growth is assisted by a system of instruction approved by the North Central Association of Colleges and Secondary Schools. Institute courses are universally accepted for transfer.
4. Roswell, in a dry region at an altitude of 3,600 feet, has an ideal climate. Out-of-door activities are engaged in throughout the year, for few days lack sunshine.
5. The military system is carefully designed to foster the development of manliness and an individual sense of responsibility, with particular emphasis placed on the development of leadership.
6. Graduates of the Institute who have been in attendance four years usually complete the military requirements for commissions in the Army Reserve forces and need not take further military courses and training while attending senior colleges.
7. The cadet lives under the cadet honor system, which is administered by the cadets in such a fashion as to emphasize the importance of honor and personal integrity.
8. Careful attention is given to the spiritual side of life through the cadet chapels and through many Roswell church groups. Religious clubs are encouraged, and the Chaplain of the Corps is available for counsel.

9. Expenses are reasonable: The fees in this catalog include instruction, infirmary, board, room, laundry, uniforms, books, activities, and spending money. (See Fees and Expenses.)

10. Genuine equality exists for all cadets. All have the same uniforms, share the same activities, and live in the same kind of barracks.

11. The members of the faculty have been selected particularly for their ability to teach and for their qualities of character.

AIMS

1. To offer an academic program of general and preprofessional education.

2. To stimulate the desire to learn and to promote effective habits of study.

3. To provide a sound basis for further education.

4. To promote sound health and alertness by means of military training and directed athletic program.

5. To develop responsibility, self-discipline, dignity, and good character.

6. To educate students to discharge proficiently the military obligations of citizenship.

7. To give students opportunity and direction in the art of leadership.

8. To encourage all students in the profitable use of leisure.

9. To develop in students the art of social propriety.

10. To emphasize man's dependence on God.



ABOUT THE INSTITUTE



LOCATION AND CLIMATE

Roswell is an attractive city of about 42,000 people. It lies in the broad upland valley of the Pecos River. It is a center for oil, livestock, and farming interests and has attracted residents from all sections of the United States.

The city maintains excellent schools and supports a Carnegie Library and a fine museum, the latter particularly notable for exhibits of Dr. Goddard's early work in rocketry. Many denominations have fine churches in Roswell.

The climate is almost ideal. The air is pure and dry; the nights and mornings are cool and bracing; the days are warm and bright. Outdoor games and military exercises are possible throughout the year.

BUILDINGS AND GROUNDS

The yellow-brick, military Gothic buildings of the Institute campus suggest a long-established military post. At the same time, the modern classroom buildings with up-to-date scientific laboratories and lecture rooms and the auditorium indicate the academic nature of the school. The main campus exceeds forty acres; this is adjoined by larger tracts of land developed and undeveloped. Joining Institute ground on the east is the Roswell Municipal Stadium, seating eight thousand. The Bronco (junior college) football team plays in this stadium.

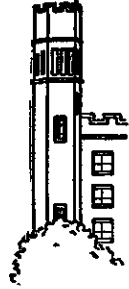
Within the campus proper different functional areas — barracks, academic, and sports — are appropriately separated without disuniting the different phases of life at the Institute. In the center of the campus is the five-story tower of Lusk Hall (the headquarters-library building); before this tower is the flagpole, bearing, during the daylight hours, the United States flag. Both of these distinctive features reveal purposes of the Institute: to educate and discipline young Americans.

Except for the war years, there has been since 1909 an almost continuous building program at the Institute; today the total value of grounds, buildings, and equipment is about fifteen million dollars.

LIVING AND ADMINISTRATIVE FACILITIES

The Corps of Cadets lives in Hagerman Barracks and Saunders Barracks, in quarters well-lighted and heated and cross ventilated. The rooms, designed to have two cadets each, are adequately furnished.

Meals are served to the Corps of Cadets and certain members of the faculty and staff in Bates Hall. The old dining hall has been completely redecorated, a dining wing added, and kitchens and service rooms built, bringing its capacity to more than 1400 comfortably seated. The all-electric kitchens are the most modern and sanitary available, and meals are prepared and served under the close supervision of an expert dietitian. The basement of the new dining wing serves as the cadet store.



Marshall Infirmary is set apart from the other buildings to provide maximum quiet. It is equipped to take care of emergencies as they arise. Registered nurses are on duty continuously to look after cadet care. Usually, when more than temporary hospitalization is required, the cadet is taken to one of Roswell's fine professional hospitals. Cadet health is supervised daily by a medical team who is on call at all times.

A cadet chapel is planned and a fund drive for its construction is under way. Until its completion, chapel services will continue to be held each Sunday: nondenominational Protestant in Pearson Auditorium and Roman Catholic in V.M.V. Hall. These services are compulsory for all cadets.

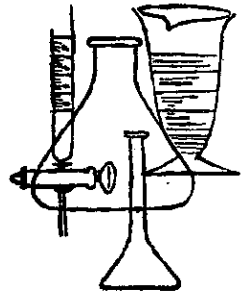
In the east wing of Lusk Hall are the administrative offices of the Institute. Offices of the Superintendent, Assistant to the Superintendent, and Public Relations Officer are on the second floor while the main floor houses the offices of the Business Manager and the Director of Admissions and Registrar offices. The Dean's office

is in Lea Hall. The tower of Lusk Hall houses Saunders Memorial Carillon Chimes.

ACADEMIC FACILITIES

Lea, Willson, McClure, and Dow Halls provide classrooms, laboratories, and small auditoriums for academic affairs and are supplemented by a fine Library. The Institute makes full use of modern equipment; facilities for the use of visual aids, for example, are available in all academic buildings. A phonetic laboratory, furnished with up-to-date electronic equipment for thirty individual booths, supplements classroom teaching of foreign languages. Classrooms are attractively decorated, and laboratories are up-to-date and well equipped.

Dow Hall is for the use of the ROTC Instructor Unit. The Hall contains the office of the unit, classrooms for military instruction, arms room, supply rooms, and an indoor range of twelve firing points. The Army considers the building one of the best of those furnished by all institutions in the ROTC program. The Army supplies the necessary weapons and military equipment for carrying on the ROTC training.



THE LIBRARY

The Library occupies the west wing and the new south wing of Lusk Hall. On the main floor are the circulation desk, the periodical room, and the reference room with up-to-date reference tools, bound periodicals, and study tables. The periodical room contains current issues of about 200 newspapers, magazines, and journals.

The stacks, completing the more than 50,000 volumes, are housed in the new wing and are open to all cadets; only rare or treasured volumes are not immediately available to cadets. Study tables; a music room with a fine collection of recordings of classical music, speech, and drama; and a magazine and newspaper file room are also on the lower level. The Library is accumulating a microfilm library at the present time. The main Library office and other offices, several classrooms, and a forum room with a stage for the use of cadet clubs or for speech practice are on the upper floor of the library.

RECREATIONAL AND ATHLETIC FACILITIES

Five buildings on the post serve the recreational needs of cadets. The J. Ross Thomas Memorial Building with its annex V.M.V. Hall serves as a post exchange. It contains a fountain; game rooms, including a fine bowling alley; a spacious lounge; and a large dance hall. The regular cadet dances are held in the V.M.V. ballroom.

Pearson Auditorium is equipped with the latest motion picture screen and projectors, a fine stage, and an excellent three-manual pipe organ. Motion pictures are shown to cadets regularly each week, and special Lyceum or Community Concert programs are presented throughout the year for the development or entertainment of the cadets.

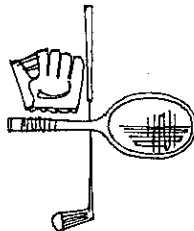
The resources of the Library are available to cadets for recreational purposes as well as for serious study.

For cadets interested in sports, the Institute has several athletic fields, a natatorium, and a gymnasium.

Luna Memorial Natatorium houses a swimming pool which is filtered and chlorinated throughout the year and heated in the colder months.

Adjacent to the Parade Ground is an eighteen-hole golf course, complete with golf house. A professional is on hand for instruction. Golf equipment must be kept at the golf house.

Cahoon Gymnasium is completely equipped for indoor athletic classes, boxing, wrestling, and tumbling. It contains dressing and shower rooms for Institute and visiting teams, storage facilities, and offices. The main room of the gymnasium is the scene of the larger cadet dances, such as the annual Final Ball.



ACADEMIC ORIENTATION

THE FACULTY SENATE

Empowered by the Board of Regents to legislate matters of academic concern at the Institute, the Faculty Senate was organized in 1947. The Dean is an ex-officio member who is non-voting but present in an advisory capacity. Nine members elected by the faculty comprise the rest of the membership.

The Policy Committee of the Senate concerns itself with the institutional aims of the school, its recommendations passing to the Superintendent and the Board of Regents. Subcommittees of the Policy Committee are the Committee on Scholarships, the Committee on Curriculum and Standards, and the Committee on Testing.

The Faculty Affairs Committee functions over three subcommittees: the Committee on Social Affairs, the Committee on Elections to the Senate, and the Committee on Faculty Status.

The Student Affairs Committee concerns itself with matters relating to cadet activities not strictly academic or military in nature: athletic, lyceum events, commencement activities, and student publications.

The Faculty Senate determines course requirements, grade distinctions, requirements for promotion, and requirements for graduation.

GENERAL ORGANIZATION

A distinctive feature of the academic structure of the Institute is its vertical organization. Five years of academic offerings are arranged in logical sequence with proper gradation of courses, with a minimum of overlapping and repetition, and with the so-called "break" between the Third Class and Second Class years, (high school and college) hardly perceptible.

Academic offerings are grouped into three divisions and ten departments. Division and department heads acting under the Dean exercise close supervision over the course content and instructional

procedures. The divisions are: Natural Science and Mathematics, including the four departments of physics, chemistry, biology and mathematics, Humanities, including the three departments of English, foreign languages, and fine arts; and Social Science, including the two departments of social studies and business administration. The department of physical education is supervised by the athletic director in co-ordination with the Dean. The department of military science stands outside the three divisions and is staffed by people assigned by the Department of the Army.

The vertical organization emphasizes the unity of the general education offerings, bridges the gap between high school and college, and promotes a proper gradation and continuity in school work.

The academic work of the Institute extends through five years — from the Fifth, or lowest class (high school sophomore) through the First, or highest class (college sophomore).

The curriculum helps achieve the general objectives of the school by offering programs of general and preprofessional education. Throughout the Institute's five-year program, general education — the kind of education suitable for everyone regardless of occupation or profession — receives chief emphasis. Along with this, and supplementary to it, a groundwork of knowledge, attitudes, and skills valuable for later professional specialization in law, medicine, engineering, dentistry, armed forces leadership, and other professions is laid.

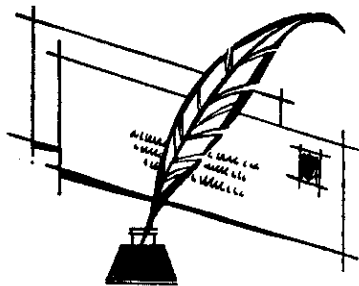
During the Second Class year, balance will be sought in arranging the academic program by including work in the fields of natural sciences and mathematics, social studies, English, and languages. During the First Class year, the goal of general education preparation will be modified in some instances by the inclusion of pre-professional courses, particularly in the field of business administration.

JUNIOR COLLEGE DIVISION

The college division at the New Mexico Military Institute is fully accredited by the North Central Association of Secondary Schools and Colleges and has enjoyed membership for over fifty years in this organization. The Institute is a member of the Association of Military Schools and Colleges and the Association of Junior Colleges. Although the academic program at the New Mexico Military Institute is considered to be vertically integrated, separation between college and high school divisions is apparent in many areas, i.e., living quarters, etc. The following information should give the person interested in attending the New Mexico Military Institute junior college a more complete understanding of this division.

HOW TO APPLY FOR ADMISSION

Application papers may be obtained from the Director of Admissions. They consist of: an application to be filled out by the prospective cadet, an attached contract to be signed by the parent or guardian, a copy of that contract for the parent's file, a Personal Information from Parent form, a Certificate of Recommendation, and medical forms. The majority of new cadets for fall enrollment are selected during the previous spring. It is better, then, to make application in February through April for the fall. Previous experience shows there will be a small number of last minute cancellations; accordingly applications are accepted as late as Sept. 1st. Applications for midyear entrance should be received no later than January 10.



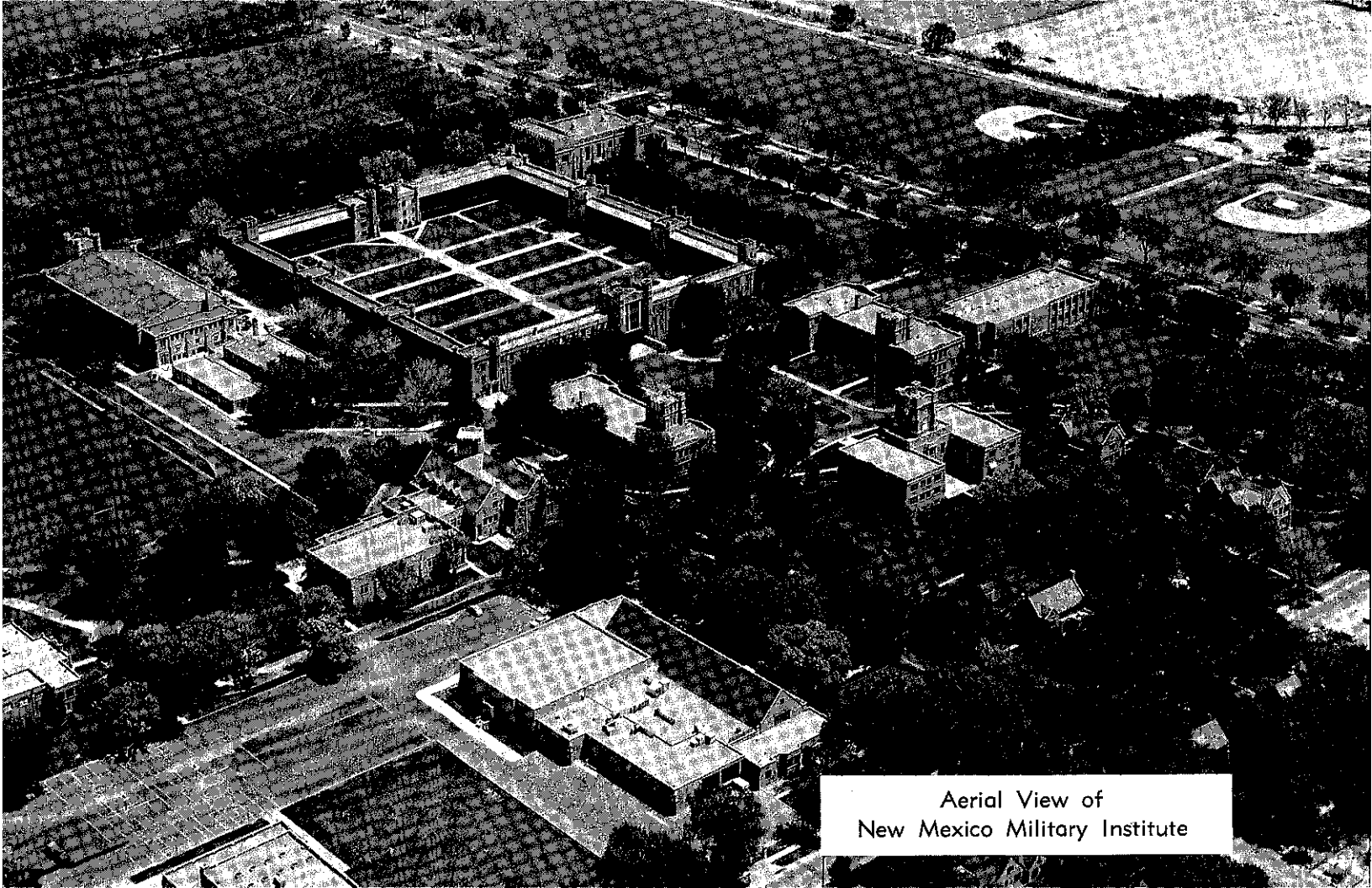
The decision to apply having been made, the Application, Personal Information, and the advance deposit of \$100, which will be credited toward the tuition, should be sent to the Institute. The Cer-

tificate of Recommendation should be given to the applicant's high school Principal (or Counselor) with the request that it be filled out and sent directly to the Institute. This form requests a complete record of grades starting with the ninth grade and including grades in subjects in progress, together with class rank, results of standardized tests, and an evaluation by the Principal (or Counselor) of the student's personal character and academic capabilities. Since other personal references are not required, this latter information is essential even though the grades and tests are supplied by modern copying methods.

The Medical Examination and Medical History form and an Immunization Record are to be completed by the applicant's physician. The required inoculations, to have been received within three years previous to matriculation are as follows: typhoid, diphtheria, tetanus, poliomyelitis, and smallpox. The applicant must be free of contagious or infectious disease. Corrective medical or surgical treatment, including dental care and the fitting of glasses, should be completed before entrance into the Institute. Furloughs are not granted for orthodontic treatment. The Institute is authorized to provide any medical care and treatment which in the opinion of its medical staff is necessary or proper.

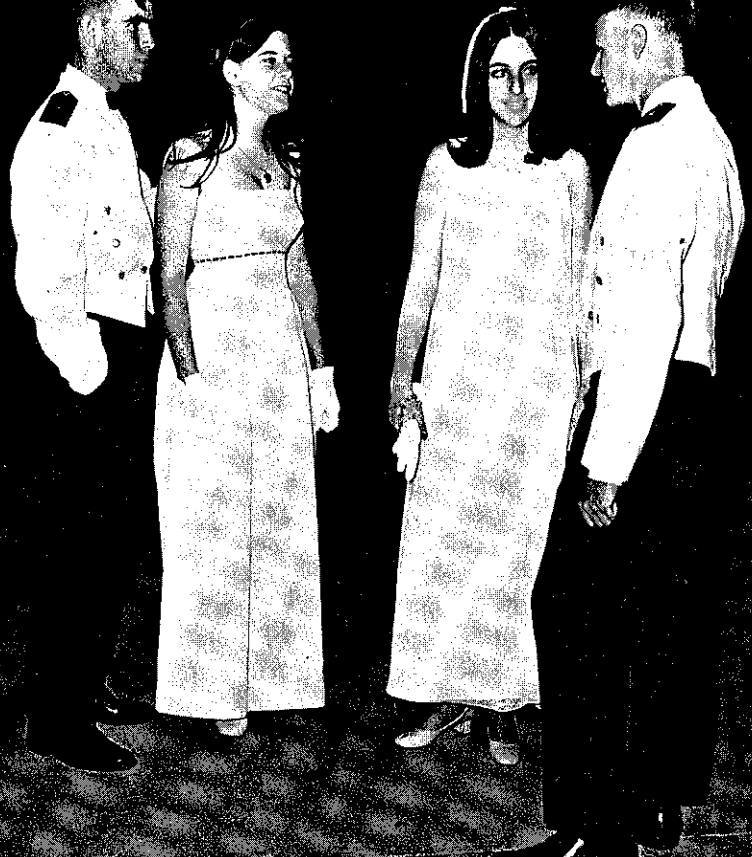
Within approximately two weeks after receipt of the Application and the Certificate of Recommendation, the applicant will be notified: (1) that he has been provisionally accepted, (2) that he has been placed on a waiting list for a possible vacancy, (3) that the Admission Board desired to review his case with the grades for the current semester, or (4) that his application has not been accepted. In the event the applicant does not hear from the Institute in a reasonable time after the initial letter acknowledging the application, it may be assumed that the Certificate of Recommendation has not been received; appropriate inquiries should be directed to the applicant's high school. Final acceptance is not made until: (1) final grades have been received and (2) the Medical Examination and Medical History form and the Immunization Record have been received and are satisfactory. Upon final acceptance each applicant is told when to report and what to bring.

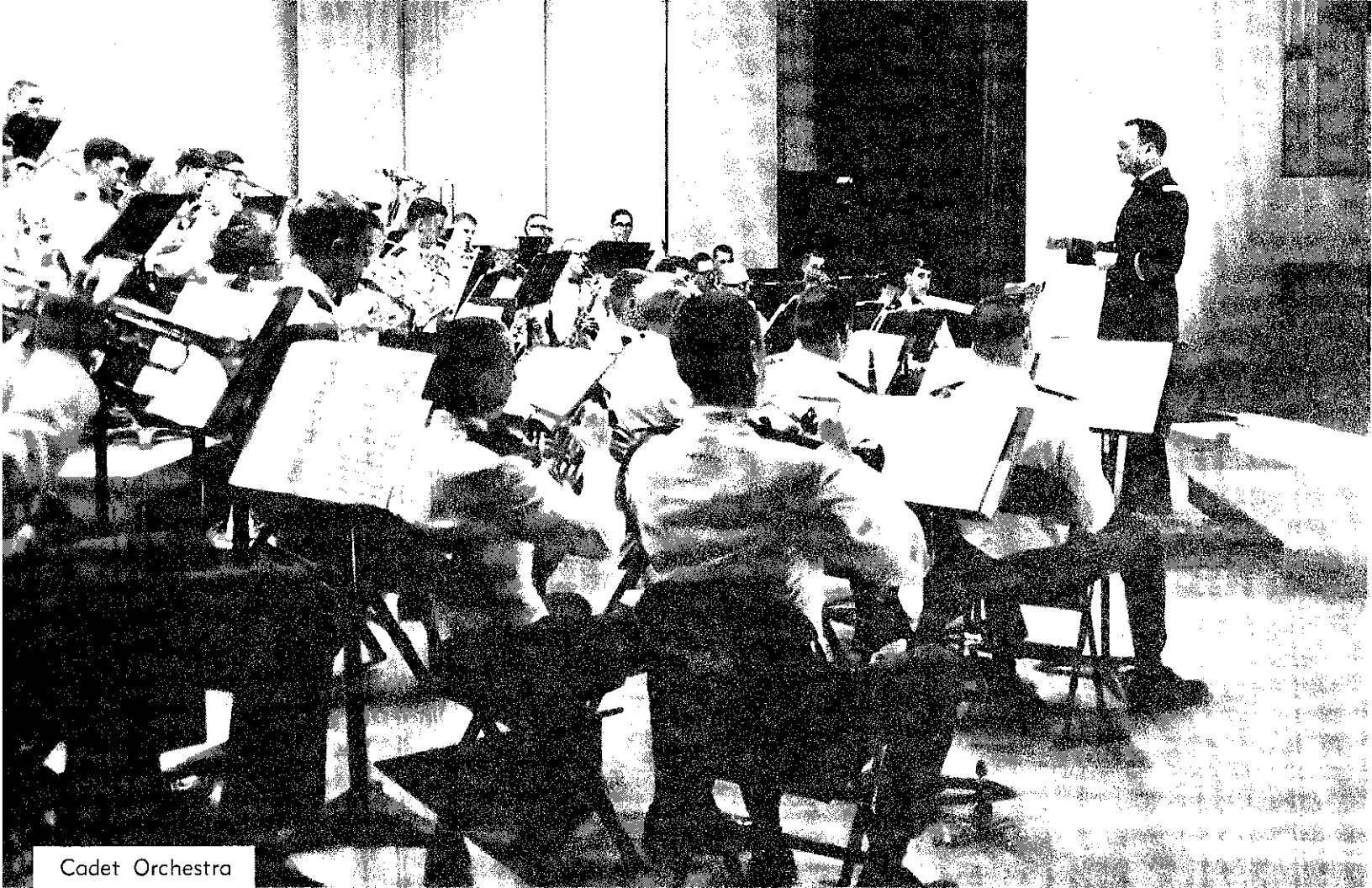
In all cases it is the applicant's responsibility to have final academic grades, including any summer school grades, sent to the Institute. If these cannot be mailed in time to arrive before matriculation, they should be brought by the applicant when he registers.



Aerial View of
New Mexico Military Institute

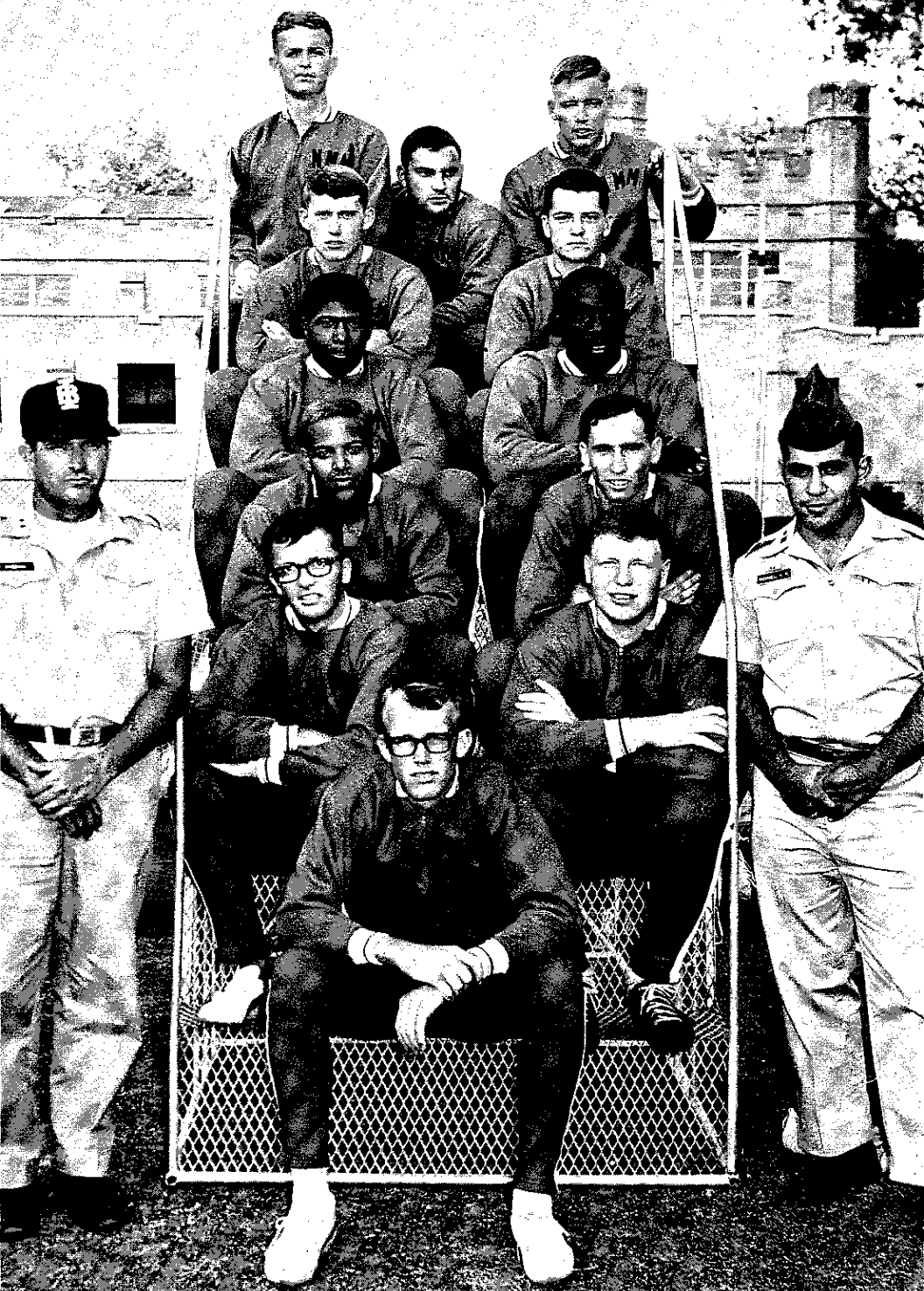
This kind of socializing
improves cadet morale





Cadet Orchestra

New Mexico Military Institute
Track Squad





Professor, Cadets, and Friend



Winter on the Campus



Sunday Parade

Bronco Golf Team
on the NMMI course



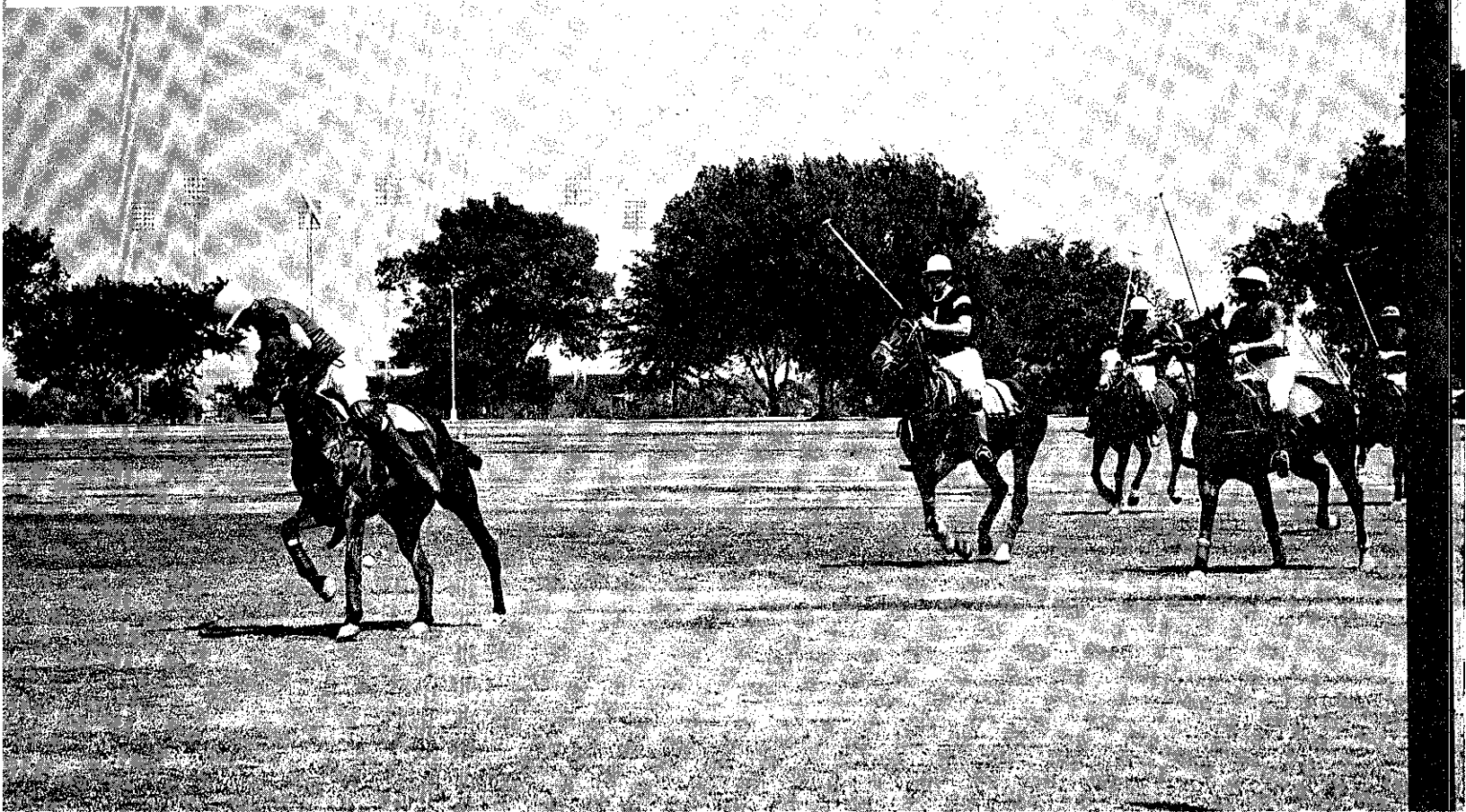


Cadets entertain during Radford School exchange visit



Voluntary Counter guerrilla
Training

Polo—Reminiscent of the past



The Final Ball



A student may repeat a course to raise a grade of D to a transferable one; however, credit is not given twice. All academic work must show on his permanent record and his transcript. All courses attempted with a grade symbol other than W are used in computing a cumulative grade point average such as is needed for the Associate in Arts degree.

Grade points are assigned as follows: for A,4; B,3; C,2; D,1; F,O.

Advance Placement Courses are weighed as follows: A,5; B,4; C,3; D,2; F,O.

TRANSCRIPTS OF CREDIT

All cadets are entitled to one free transcript each semester. The charge for each transcript above the allowance is \$1.00.



Academic promotions will not be made on summer school transcripts received after September 30. Each cadet is responsible for obtaining his own summer school transcript.

ACADEMIC PROBATION, SUSPENSION, AND DISMISSAL

A college-level cadet shall be placed on academic probation when his grade-point average falls below 1.50 for any academic half-year. If his grade-point average remains below 1.50 for two successive half years, he is subject to suspension for a half year. A cadet desiring readmission after suspension must reapply, whereupon the Admissions Board will decide for or against readmission. If readmitted, the cadet is on academic probation until his work justifies a change of status. If academic suspension again becomes necessary, the cadet is granted honorable dismissal.

THE DEAN'S LIST

To gain membership on the Dean's List, a cadet must earn a grade-point average of 3.00 on his entire academic program, with no grade falling below C. His program must include a minimum of fourteen semester hours of work. Additionally, his grade in deportment must be passing.

A cadet qualifying for the Dean's List at the nine week grading period is entitled to certain privileges specified in the Blue Book. If he qualifies for a half year, he is privileged to wear the Dean's List Star during the half year immediately following and to avail himself of the Dean's List furlough as prescribed in the Blue Book.

THE SUPERINTENDENT'S LIST

The Superintendent's List consists of those cadets who are simultaneously on the Dean's List and the Commandant's List. When earned at the end of a semester the cadet will be authorized to use the two furloughs consecutively in the succeeding semester. He will wear the Dean's List Star over a circular patch of black superimposed on red felt.

GRADES AND GRADE POINTS

Nine week and eighteen week (half year) grades are issued. The grading symbols employed are: A—Excellent; B—Above Average; C—Average; D—Below Average; F—Failure; W—Withdrawn during the first five weeks; WF—Withdrawn while Failing; X—Incomplete, a grade which must normally be made up within the ensuing nine weeks.

REQUIREMENTS FOR THE ASSOCIATES IN ARTS (A.A. DEGREE)

1. **Residence:** Minimum requirements for residence as college-level student are as follows: For a cadet who enters college as an old cadet, one year; for a cadet who enters as a yearling, one and one-half years; and for a new cadet, two years. In all cases the final year of work credited toward the degree must be performed in residence at the Institute.

2. **Semester hours:** A minimum of sixty-eight semester hours is required, no more than twelve of which can be in military science. Credit toward the degree will not be allowed for the completion of half of a sequence (whole-year) course. Credit may be transferred from other accredited schools if the courses are acceptable and if the grades are "C" or better.

3. **Required Subjects:** The following subjects are required: English 111-112 (Freshman English); History 211-212 (American history). A minimum of 8 semester hours of credit must be earned in Military Science Training during the First and Second Class years.

4. **Grade-Point Average:** A minimum grade-point average of 2.00 is required for the last three semesters of junior college work.

5. **Conduct:** A cadet must earn a passing grade in conduct for his First Class year.

CLASS DESIGNATION AND PROMOTION

To qualify as a Second Classman, or freshman in college, a student must be either a graduate of an accredited high school or have earned sixteen and two-thirds of the eighteen units necessary for the High School Diploma. In the latter case, he is required to complete the units he lacks while pursuing a college-level program.

To qualify as a First Classman, a student must have been in residence at the Institute for at least one full year and have earned thirty-two or more semester hours of acceptable credit.

Midyear academic promotions from one class to another on the preparatory level, such as from Fifth to Fourth Class, can be achieved only through the completion of course-credits. Promotions are not made on the basis of half-credits accumulated toward full-year courses.

Returning cadets apply for readmission by submitting a signed request for reenrollment, together with an advance deposit of \$100 before a reenrollment application deadline which is announced each spring.

The Institute reserves the right to refuse entrance to anyone, and therefore at its discretion, may approve or disapprove any application for admission. The full amount of the advance deposit is returned when an application is not accepted.

GENERAL REQUIREMENTS FOR ADMISSION TO THE COLLEGE DIVISION

A candidate must never have been married, must be of good moral character, and must be in vigorous physical health.

Academically an applicant must have demonstrated the ability to perform at least average work as shown by a cumulative grade point average of C (2.00) or better. Exceptions may be made in some cases. Personal interviews are not necessary, but applicants and their parents are welcome at the Admissions Office on Mondays through Fridays from 8:00 A.M. until 4:00 P.M. An appointment is not necessary.

To be admitted into the Second Class (freshman year of college), an applicant must be a graduate of an approved high school and have an acceptable score on the American College Test.

Admission to the Institute is selective; based upon a careful study of all the application papers, with consideration being given to personal as well as academic requirements. Preference is given to New Mexico residents, to returning cadets, and to sons of alumni.

The admission of a student, his continuance upon the rolls of the Institute, the receipt by him of academic credits, his graduation, and the conferring of any degree, diploma, or certificate upon him is entirely subject to the disciplinary powers of the Institute, which are free to dismiss him at any time on any grounds which are deemed advisable.

COURSES OFFERED

THE DIVISION OF HUMANITIES JUNIOR COLLEGE

Lieutenant Colonel James W. Branch, Division Chairman

THE DEPARTMENT OF ENGLISH

Major Richard G. Limbaugh, Department Chairman

Major Donald M. Cassidy, Captain Raymond O. Lysek, Captain Travis W. Reames, Mrs. Gwen Robbins, Major Albert E. Scott

Purpose:

It is the purpose of this department to give each cadet the opportunity to acquire such skills as will enable him to use his language effectively in writing and speaking, and to give him some knowledge and appreciation of his literary heritage.

Courses:

English 110 — Basic Preparation In College English. Cr. 3.

Designed for students who are weak in English skills; placement by ACT scores and high school grades. Emphasis on sentence and paragraph construction with drills in spelling, punctuation, and grammar. Concurrent study in developmental reading (non-credit laboratory course) required. Counts toward minimum hours for graduation, but does not replace English 111-112.

English 111 — Freshman English. Cr. 3.

Major objective of this course is the writing of clear and correct exposition. Selected essays are read to provide practice in extracting ideas and to furnish models for writing. Required of all second classmen until completed satisfactorily. Prerequisite: English 4a and English 4b.

English 112 — Freshman English. Cr. 3.

A continuation of English 111. Additional essays, three classical dramas, a unit of poetry, and two novels furnish inspiration and material for further expository writing. Required of all second classmen until completed satisfactorily. Prerequisite: English 111.

English 211 — Advanced Composition. Cr. 3.

Types and techniques of exposition and narration. Prerequisite: English 111-112.

English 221 — English Literature. Cr. 3.

Survey of major writers of English literature with some attention to minor authors and to trends and backgrounds. One oral report and one paper. Major authors studied: Chaucer, Spenser, Shakespeare, Bacon, Donne, Milton, Dryden, Swift, Pope, Johnson, Boswell. Prerequisite: English 111-112.

English 222 — English Literature. Cr. 3.

Continuation of English 221 with the following main authors studied: Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Shaw, Yeats, Eliot. One oral report and one paper. Prerequisite: English 111-112.

English 223 — Public Speaking. Cr. 3.

Principles of public speaking and of various types of public address. Emphasis on clear, competent expression. Tape recordings for individual study. Prerequisite: English 111-112.

English 231 — Introduction to Drama. Cr. 3.

Dramatic art from Aeschylus to the present. Collateral readings include reviews and critical appreciation. Prerequisite: English 111-112.

English 232 — Introduction to Shakespeare. Cr. 3.

Ten plays, representing history, comedy, and tragedy. Elizabethan and Jacobean backgrounds. This course is designed for students who will be completing their English requirements in two years. Students who plan to major or minor in English should take English literature or American literature. Prerequisite: English 111-112.

English 235 — American Literature. Cr. 3.

American writing from the colonial period to the Civil War with emphasis upon the chief figures. Historical and literary developments are studied, along with literary types, both prose and poetry. A critical review is required. Prerequisite: English 111-112.

English 236 — American Literature. Cr. 3.

A continuation of English 235 which carries the student into modern American writers and movements. Term paper required. Prerequisite: English 111-112.

Yearbook Journalism 101. Cr. 1.

Selective enrollment. Theory and practice of yearbook publication; study of design, layout, and copy techniques; accomplishment of detailed plan of complete yearbook; production of approximately one-third of the BRONCO.

Yearbook Journalism 102. Cr. 1.

A continuation of Yearbook Journalism 101. Production of approximately the final two-thirds of the BRONCO. A maximum of two semester hours credit will be allowed toward the AA degree.

DEPARTMENT OF FOREIGN LANGUAGES

Major Bennie A. Padilla, Department Chairman
 Captain Hermann Graef, Captain Raymond O. Lysek, Captain Adrian J. Martinez, Captain Alex P. Sena, Captain Candido Tafoya.

Purpose:

It is the purpose of the department to encourage the use of a foreign language as a requisite for modern life. It focuses the attention upon the acquisition of a set of basic skills, which can become real mastery for professional use when practiced long enough. It emphasizes the importance of knowledge of a second language as a vital element both in cultural and international understanding.

Registration Instructions:

- a) Two years of the language in high school, register for 211.
- b) No previous courses in the language, register for 111.

Language Laboratory:

Each student in the 111-112 series college modern languages will have two periods in the language laboratory per week. Laboratory fee: \$5.00 per semester.

FRENCH COURSES

French 111-112 — Elementary French. Credit 3-3.

A sequence course. Elements of grammar, pronunciation, conversation; exercises in composition and translation. Introduction into French culture.

French 113-114 — Phonetics Laboratory. Credit 1-1.

A sequence course. Tape recorded materials, audio-visuals and other media are used; stress on pronunciation. Concurrent with French 111-112. Two hours per week.

French 211-212 — Intermediate French. Credit 3-3.

A sequence course. Extensive reading, translation, conversation. Collateral reading of 200-400 pages per semester; written reports. Prerequisite: French 112 or satisfactory grade on placement test following two years of high school French or permission from the instructor.

GERMAN COURSES

German 111-112 — Elementary German. Credit 3-3.

A sequence course. Comprehension and oral proficiency stressed, as well as reading ability and thorough background in grammar.

German 113-114 — Phonetics Laboratory. Credit 1-1.

A sequence course. Tape recorded materials, language recordings and other media are used; stress on practical speaking. Concurrent with German 111-112. Two hours per week.

German 211-212 — Intermediate German. Credit 3-3.

A sequence course. Further grammatical and language study, stress on effective reading. Prerequisite: German 112 or satisfactory grade on placement test following two years of high school German or permission from the instructor.

SPANISH COURSES**Spanish 111-112 — Elementary Spanish. Credit 3-3.**

A sequence course. Stress on basic skills: listening comprehension, speaking, reading, writing and grammar.

Spanish 113-114 — Phonetics Laboratory. Credit 1-1.

A sequence course. Tape recorded materials, language recordings and other media are used to aid the student in aural-oral drill. Stress on pronunciation and oral expression. Concurrent with Spanish 111-112. Two hours per week.

Spanish 211-212 — Intermediate Spanish. Credit 3-3.

A sequence course. Extensive readings; translations; conversation, written reports. Prerequisite: Spanish 112 or satisfactory grade on placement test following two years of high school Spanish or permission from the instructor.

Spanish 231. Credit 3.

Introduction to Peninsular Spanish literature. Conducted in Spanish. History, culture, outstanding authors, literary movements and trends. Prerequisite: Spanish 211-212, placement test or permission from the instructor.

Spanish 232. Credit 3.

Introduction to Spanish-American literature. Conducted in Spanish. History, culture, outstanding authors, literary movements and trends. Prerequisite: Spanish 211-212, placement test or permission from the instructor.

DEPARTMENT OF FINE ARTS

Captain Roger Rush, Department Chairman

Captain Travis Reames, Captain Alex Sena, and Captain James Thompson.

Purpose:

To develop an understanding and appreciation of the fine arts in order to enjoy a life of culture, and to stimulate creative ability in the individual student.

Note: No more than six hours of credit will apply to requirements for the Associate in Arts degree.

Courses:

Music 101 — Band. Credit: one semester hour.

First semester only; marching band. Includes performances at inter-collegiate football games.

Music 102 — Band. Credit: one semester hour.

Second semester only; concert band. Reading old and new original compositions for band, plus two concerts for the semester. Prerequisite: 101 and/or the permission of the director.

Music 201 — Band. Credit: one semester hour.

A continuation of Music 101-102.

Music 202 — Band. Credit: one semester hour.

A continuation of Music 101-102-201.

Music 103 — Choir. Credit: one semester hour.

A study and performance of chorale literature for men's voices.

Music 104 — Choir. Credit: one semester hour.

A study and performance of chorale literature for men's voices.

Music 203 — Choir. Credit: one semester hour.

Music 204 — Choir. Credit: one semester hour.

Music 108 — Fundamentals of Music. Credit: three semester hours.

A study and exercise of the fundamentals of harmony, sightsinging, ear training, notation, and elementary piano. Prerequisite: a performing media is desired, such as piano, voice, orchestral instrument; or permission of department head.

Music 113 — Music Appreciation. Credit: two semester hours.

A study of early, pre-Renaissance, Renaissance, baroque, rococo, classical, romantic, post-romantic, nationalistic, neo-classic and contemporary periods; evolution of jazz, popular music, electronic media and other innovations. Learning what to listen for in music is emphasized. Prerequisite: none.

Music 145 — Applied lessons. Credit: one semester hour.

Private instruction in piano, voice, and orchestral instruments. Includes one half-hour lesson per week with two hours of required practice time. A \$36 per semester hour fee is charged and is payable at the time of enrollment.

Music 147 — Applied lesson. Credit: two semester hours.

Same as above except two lessons per week, four hours of practice time and \$72 fee.

Drama 121 — Introduction to Theatre. Credit: three semester hours.

A comprehensive study of the arts, crafts, traditions, personnel, techniques and whole organization of the Western theatre. Survey of history and literature. Demonstrations, play productions, recordings, and films.

**THE DIVISION OF NATURAL SCIENCES
AND MATHEMATICS
JUNIOR COLLEGE**

Lieutenant Colonel William C. Roudebush, Division Chairman

The Department of Biology

Lieutenant Colonel William F. Harris, Department Chairman, Captain Joseph D. Graham, Major Allen J. Lovelace, Captain D. Paul White.

Purpose:

The courses in biology are designed to give the student an understanding of the fundamental principles of biology and to give him practice in the application of the methods of science. They are given as courses in pure science which will serve as a part of a student's general education and which will also serve as a foundation for students majoring in biology or preparing for professional study.

Courses:

Biology 101-102 — General Biology. 4-4 (3+2L).

A sequence course. Fundamental principles of biology, including a brief introduction to the major groups of plants and animals. The course is designed to serve the needs of the liberal arts student and the pre-professional student. It may also serve as an introduction to more advanced courses. Laboratory fee: \$7.50 per semester.

Biology 209 — Plant Biology. Cr. 4 (3+3L).

Structure, physiology, heredity, environmental relationships and evolution of higher plants. Required basic course for certain areas of study in agriculture, biology, conservation, and related fields. Laboratory fee: \$7.50.

Biology 210 — The Plant Kingdom. Cr. 4 (3+3L).

A detailed study of the characteristics, life cycles, and natural relationships of types representing all divisions of the plant kingdom. Required for further work in certain areas of biology, agriculture, conservation, and related fields. Laboratory fee: \$7.50.

Biology 213 — Biology of the Invertebrates. Cr. 4 (3+3L).

A survey and comparative study of the invertebrate phyla. Intensive investigation of a wide variety of invertebrates in the laboratory. Especially recommended for those contemplating careers in agriculture, biology, medicine, and allied fields. Prerequisite: one year of biology in college or high school. Laboratory fee: \$7.50.

Biology 214 — Biology of the Vertebrates. Cr. 4 (3+3L).

Evolution, structural patterns, functions, adaptations, ecology, and natural history of the vertebrates. Survey of vertebrate types, dissections, and field techniques. Especially recommended for those contemplating careers in agriculture, biology, medicine, and allied fields. Prerequisite: one year of biology in college or high school. Laboratory fee: \$10.00.

Biology 221 — Insect Biology. Cr. 4 (3+3L).

Introduction to entomology, with some attention to economic applications. Laboratory work consists of elementary morphology and taxonomy. Student collection of insects required. Laboratory fee: \$7.50.

Biology 232 — Principles of Ecology. Cr. 4 (3+3L).

The origin, development and structure of natural communities as influenced by climate soil, and biotic factors. Prerequisite: two semesters of biology and permission of the Department Head. Laboratory fee: \$7.50.

The Department of Chemistry

Colonel G. Seth Orell, Department Chairman

Captain B. R. Holmes, Captain J. J. Jenkins, Captain Glen D. McDonald.

Purpose:

The courses in chemistry aim to teach the student how to think and how to analyze the problems likely to confront him. Also they provide the student with a sound basic technical knowledge of chemistry by application of the scientific method. The development of sound laboratory techniques is essential to advancement in the field.

Courses:**Chemistry 111-112 — General Chemistry. Cr. 4-4 (3+3L).**

A sequence course. A course for the nonscience major. It presents the fundamental laws and principles of chemistry by means of lecture, classroom recitation, demonstration, and laboratory work. Introduction to organic chemistry in the second semester. Laboratory fee: \$10.00 per semester.

Chemistry 113-114 — Inorganic Chemistry and Qualitative Analysis.

Cr. 5-5 (3+6L).

A sequence course. Required basic course for chemistry, engineering, medicine, pharmacy, agriculture, and other scientific studies. Lectures, conferences, laboratory work, molecular and atomic theories, chemical equilibrium, ionization, periodic law, common elements and their compounds. Second semester, an introduction of common anions and cations. Prerequisite: Math. 113 (May be taken concurrently.) Laboratory fee: \$10.00 per semester.

Chemistry 211 — Basic Organic Chemistry. Cr. 5 (3+6L).

A brief course in organic chemistry, including selected topics in the aliphatic and aromatic series for premedical, pharmacy, and engineering students not majoring in chemistry. Prerequisite: Chemistry 112 or 114. Laboratory fee: \$12.50.

Chemistry 213-214 — Organic Chemistry. Cr. 5-5 (3+8L).

A sequence course. Primarily for science majors. Lectures; discussion of basic organic types of aliphatic and aromatic compounds, isomerism, structural and electronics theories of reactions. Laboratory work trains in preparative organic reactions with the chemical and physical properties related to type compounds. Prerequisite: Chemistry 112 or 114. Laboratory fee: \$15.00 per semester.

Chemistry 222 — Quantitative Analysis I. Cr. 4 (2+6L).

Theory and use of the balance; volumetric and gravimetric apparatus; laws of precipitation; theory of indicators; solutions; theory of redox as applied to analyses; analytical calculations and interpretations. Prerequisite: Chemistry 114 and Mathematics 122. Laboratory fee: \$7.50. Students must pay for excessive apparatus or equipment charge.

Chemistry 223 — Quantitative Analysis II. Cr. 4 (2+6L).

Advanced analysis including electrodeposition, electrometric titrations, calorimetric methods, and pH determinations. Prerequisite: Chemistry 222. Laboratory fee: \$7.50.

The Department of Mathematics

Lieutenant Colonel William H. Morgan, Department Chairman
 Colonel Chester H. Anderson, Major Phillip J. Farren, Captain
 John J. Foster, Captain Michael M. Mills, Colonel Ellsworth N. Mur-
 ray, Captain William F. Rodden, Lieutenant Colonel William C.
 Roudebush.

Purpose:

Courses in mathematics range from the development of basic skills to calculus. Whether he is engaged in preengineering, a candidate for one of the service academies or is pursuing a liberal arts or a business administration course, the student will find here a course well suited to his needs and to his abilities. Habits of accurate and precise thinking and logical reasoning are stressed.

Courses:**Mathematics 111 — Intermediate Algebra. Cr. 3.**

Signed numbers, addition and subtraction, multiplication, division; equations and stated problems; factoring; fractions; equations of the first

degree in the unknown; exponents, roots, and radicals; graphs; quadratic equations; ratio and variation; the binomial theorem.

Mathematics 113 — College Algebra. Cr. 3.

Factoring, fractions, exponents and radicals, linear and quadratic equations, ratio and proportion, progressions, logarithms, the binomial theorem, permutations, combinations, probability, graphs. Prerequisite: Mathematics 111 or satisfactory grade on screening test.

Mathematics 116 — Engineering College Algebra. Cr. 3.

For preengineering students and candidates for service academies whose mathematics record is average; superior students should take Mathematics 121-122. Included are problems which anticipate algebraic difficulties encountered later in the study of analytic geometry and calculus. Prerequisite: Satisfactory grade on mathematics screening test.

Mathematics 117 — Trigonometry. Cr. 3.

Trigonometric functions, logarithmic functions, trigonometric identities and equations, radian measure, inverse trigonometric functions, practical applications. Prerequisite: Mathematics 113 or 116. (With permission, a qualified student may take Mathematics 113 or 116 as corequisite).

Mathematics 118 — Analytic Geometry. Cr. 3.

Systematic study of the straight line, circle, parabola, ellipse, and hyperbola; transformation of coordinates; equations of higher degree; tangents and normals; parametric equations; polar coordinates; elements of analytic geometry in three dimensions. Prerequisite: Mathematics 113 and trigonometry (Mathematics 117 may be taken concurrently), or Mathematics 116-117.

Mathematics 121-122 — Integrated College Mathematics. Cr. 5-5.

A sequence course. For science and mathematics majors, preengineers, candidates for service academies. College algebra, plane trigonometry, plane analytic geometry, elements of solid analytic geometry, introduction to calculus. Prerequisite: satisfactory grade on mathematics screening test.

Mathematics 126 — Mathematics of Finance. Cr. 3.

Simple interest and discount, compound interest, equations of value and payment, annuities, sinking funds, amortization of bonds, depreciation and replacement, and life insurance. Prerequisite: Mathematics 113 or equivalent.

Mathematics 130 — Elementary Surveying. Cr. 3 (2+2L).

Measurements of distance, direction, and angles. Use of the tape, compass, transit, level, and plane table in the field. Methods of field work. Recording of data. Calculation of closed traverses and land areas. Contours, lines, grades, and curves. Cross sections, volumes, and computation of earthwork. Plotting and finishing maps. The United States system of

surveying the public lands. Selected topics from aerial surveying and hydrographic surveying. Prerequisites: trigonometry, graphics, and consent of the instructor.

Mathematics 141 — Engineering Drawing I. Cr. 2 (1+3L).

The international language describing the size, shape, and relationship of physical objects employing two fundamental methods of writing: free-hand and with instruments. Training in freehand work will emphasize form, speed, hand control, and appreciation of proportion. Instrument drawing is the standard method of expression. Prerequisite: plane geometry. Laboratory fee: \$5.00.

Mathematics 143 — Advanced Engineering Drawing. Cr. 3 (2+2L).

Combination of those arts and sciences of drawing applicable to the solutions of engineering, science, and architecture problems. Prerequisite: one or more years of mechanical drawing and approval of instructor. Laboratory fee: \$5.00.

Mathematics 144 — Descriptive Geometry. Cr. 3 (2+2L).

Graphical method of solving solid (or space) analytic geometry problems. It is valuable in solving many engineering, science, and architecture problems and a very useful tool in engineering research and development. Prerequisite: Mathematics 143. Laboratory fee: \$5.00.

Mathematics 171 — Cr. 3 (2+2L).

An introduction to IBM 1130 and 360 programming in Fortran II and Fortran IV. Applications include using card and disk input and output. Prerequisite: Algebra II and/or permission of Instructor.

Mathematics 221-222 — Differential and Integral Calculus. Cr. 4-4.

A sequence course. Concepts of velocity and rate of change; differentiation and integration of polynomials, with application to geometry and physics; differentiation of algebraic and transcendental functions, with further applications. Second semester; power series; partial differentiations; integration of algebraic and transcendental functions; double integrals; space coordinates; triple integrals; applications to geometry, physics, and mechanics. Prerequisite: Mathematics 121-122 or 117-118.

The Department of Physics

Major Robert A. MacArthur, Department Chairman
Colonel Charles B. Hines.

Purpose:

The college physics courses are aimed at a rigorous presentation of ideas of general physics for students of science, engineering, pre-medicine, and liberal arts. The major objective of these courses is to

give the students a precise understanding of the methodology and development of the great generalization of physics, rather than mere memorization of facts, laws, and formulas.

The other courses in physics help the student become acquainted with certain fields of specialization and enables him to evaluate his aptitude for the study of the various branches of science and engineering. A problems course assists the student by giving him practice in the solution of illustrative problems from the principal fields and branches of science and engineering.

Courses:

Physics 107 — Engineering Problems. Cr. 2.

An introduction to the fundamental language of engineering and the types of elementary problems which commonly are met. The problems introduce the student to the engineering approach to solutions. Logarithms and the slide rule are used extensively in problem calculations. Prerequisite: Trigonometry.

Physics 111-112 — College Physics. Cr. 4-4 (3+3L).

A sequence course that fulfills the science requirements for liberal arts students. It is satisfactory for premedical students, as well as for architectural and agricultural engineering students. Classical physics is studied in this course. Emphasis is placed on physical principles as applied in mechanics, heat, sound, electricity, optics and atomic structure. Laboratory fee: \$7.50 per semester.

Physics 121 — Physical Meteorology. Cr. 2.

The atmosphere, its height and pressure; winds; precipitation; thunderstorms; cyclones. Prerequisite: high school physics or Physics 111.

Physics 123 — First Principles of Atomic Physics. Cr. 3.

The course is a review of the laws of mechanics, heat, light, and electricity as applied to particles. This is followed by a study of radiations, radioactivity, the atom, and the nucleus. Particle accelerators, reactors and nuclear energy are also considered. Prerequisite: Physics 111, Chemistry 111, or an equivalent.

Physics 151 — Elements of Electricity. Cr. 3.

Foundation for radio, television, radar, power plants, power distribution, and other practical applications. Ohm's Law, power and energy conductors, measurement of resistance, magnetism, magnetic circuits, generators, AC and DC generators, motors, batteries, Kirchoff's Law, inductance, capacitance, alternating currents, vacuum tubes, gaseous conduction. Laboratory fee: \$5.00.

Physics 204 — Photography. Cr. 3 (2+3L).

Principles of photography and importance of the medium. Proper ex-

posure, development of film, printing, enlarging, microphotography, color photography, preparation of slides. Student required to own a camera of at least moderate versatility. Prerequisite: Physics 111-112 or Chemistry 111-112. Laboratory fee: \$10.00.

Physics 213-214 — Engineering Physics. Cr. 5-5 (3+4L).

A sequence course fundamental for all engineers, science students, and premedics. Mechanics, molecular physics, and heat. Quantitative laboratory work; minimum of sixteen experiments per semester. Second semester: electricity, sound, and light. Prerequisite: College Trigonometry or equivalent. Calculus is strongly recommended as a corequisite. Laboratory fee: \$7.50 per semester.

Geology

Purpose:

The detailed and systematic study of processes by which rock structures and topographic features of the land and the sea bottom have come into being. Basic theories have both cultural and practical value. Textbook material is supplemented by study of specimens, field work, and the use of maps and models.

Courses:

Geology 111 — Physical Geology. Cr. 4 (3+4L).

General principles of physical geology. Laboratory exercises include study of maps and specimens; field trips illustrate weathering, desert geology, wind erosion, igneous and stratified rocks, volcanic structures, caverns. Laboratory fee: \$5.00.

Geology 112 — Historical Geology. Cr. 4 (3+4L).

Evolution of the earth and its inhabitants, with special reference to North America. Introductory study of fossils, including laboratory exercises on fossils found on field excursions into Permian, Jurassic, Triassic, and Cretaceous areas of New Mexico. Prerequisite: Geology 111. Laboratory fee: \$5.00.

Geology 211 — Mineralogy, Crystallography, and Blowpipe Analysis.

Cr. 4 (2+6L).

Study of crystal models and natural crystals. Experimental work on known and "unknown" mineral leads to study of determinative mineralogy. Color-blind students may not register. Prerequisite: Geology 111. Laboratory fee: \$10.00.

Geology 212 — Determining Mineralogy. Cr. 4 (2+6L).

Metallic and nonmetallic minerals (approximately 200 minerals studied). Physical properties and characteristics. Prerequisite: Geology 211. Laboratory fee: \$10.00.

THE DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION

JUNIOR COLLEGE

Lieutenant Colonel Edward M. Praisner, Division Chairman

The Department of Social Sciences, College

Major Eugene F. McGuire, Department Chairman

Captain Robert C. Bell, Colonel Roy W. Cole
Captain Gary V. Larson, Captain Austin Q. Maley
Captain Donald B. Voorhees, Captain Raymond O. Lysek

Purpose:

The social studies deal with the systematic and logical inquiry into human relationships. They are designed to enable the student to gain certain basic understandings—how to cope with his environment, how better to govern himself. They teach him to analyze, evaluate, and solve problems by critical thinking; they help him to respect the dignity of the individual; they teach him the need for effective citizenship in our democratic society.

History Courses:

History 101 — Development of Civilization. Cr. 3.

A study of the social, economic, political, philosophical and esthetic approaches of man from antiquity to the end of the Medieval period.

History 102 — Development of Civilization. Cr. 3.

Continuation of History 101; a study of the social, economic, philosophical and esthetic approaches of man from the early modern era (1500 A.D.) to the contemporary period.

History 211 — History of the United States. Cr. 3.

A survey course in American history based on the political, economic, social, and cultural development of the United States from colonial beginnings through 1865.

History 212 — History of the United States. Cr. 3.

A study of history of the United States from the beginning of Reconstruction to the present. Particular attention to various political, social, and economic movements — consolidation of business, the Populist movement, the Progressive movement, intellectual aspects of the period, and the origin of some of the problems confronting America today.

Government Courses:

Government 111 — Government of the United States. Cr. 3.

A study of our national government, dealing with the origin, nature, and development of the Constitution; organization and powers of the Presidency; administrative agencies; Congress; the Judiciary. Considered with reference to political parties, pressure groups, sectional interest, and other influences.

Government 214 — Comparative Government. Cr. 3.

The principles upon which the U.S. and powers of Europe base their governments. The U.S., Great Britain, France, the Federal German Republic, and the USSR are examined in detail.

Economics Courses:

Economics 211 — Principles and Problems. Cr. 3.

Fundamental economic concepts; analytical study of economic terms, the national income accounts, money and the banking system, principles and problems of the entrepreneurial system.

Economics 212 — Principles and Problems. Cr. 3.

Study of business organization and combination, price theory, distribution theory, supply and demand analysis, taxation, and role of government. Capitalism compared with other systems. Prerequisite: Economics 211.

Psychology Courses:

Psychology 211 — General Psychology. Cr. 3.

Man's native and acquired behavior pattern in relation to their contribution to the broad field of human associations.

Psychology 212 — The Psychology of Adjustment. Cr. 3.

The principles of general psychology applied to the problems of frustration and conflict encountered in daily living. Two book reports. Prerequisite: Psychology 211.

Geography Courses:

Geography 109 — Physical Geography. Cr. 3.

Climate, weather, landforms, topography, hydrography, soils, plant and animal life; their inner relationships and influence upon man and his environment.

Geography 111 — Economic Geography. Cr. 3.

The field of study embraces a consideration of manufacturing, forest products, industries, grazing, farming, mining, hunting, fishing, and trade, with emphasis on geographical relationships.

Philosophy Courses:

Philosophy 111 — Introduction to Philosophy. Cr. 3.

Familiarization with the philosophical approach; study of philosophical problems of historical significance. Includes critical study of works of important philosophers, aimed at developing the tools of philosophical analysis.

Philosophy 112 — Introduction to Logic. Cr. 3.

The principles of valid reasoning and the methods of experimental inquiry. The practical application of these principles and methods in the natural sciences. Stress is placed upon the application of scientific methods in the solution of contemporary problems.

Sociology Courses:

Sociology 201 — Cr. 3.

An introduction to the study of human nature, social forces, and collective behavior. Special emphasis is placed upon examination of the contemporary problems of society (i.e., racial problems, immigration, the family, child welfare, economic security, crime, and education).

The Department of Business Administration

Major Donald L. Neelen, Department Chairman

Major Eugene F. McGuire, Capt. Bruce Terrill

Purpose:

To provide the student of business administration with an adequate background to pursue upper-division courses for his bachelor's degree at the four-year school of his choice and to make him more efficient in the handling of his personal affairs.

Courses:

Business Administration 101 — Typing. Cr. 2.

The keyboard and the principal parts of the typewriter and their use. Emphasis on letter writing, preparing classroom assignments and term papers. Not for students who have credit for a similar course.

Business Administration 111 — Introduction to Business. Cr. 3.

Survey for first-year college students. Ownership, finance, personnel, marketing, managerial controls, and governmental relationships.

Business Administration 112 — Elements of Business Mathematics. Cr. 3.

Instruction in elementary business mathematics. Emphasis on speed and accuracy in handling mathematical problems which arise every day in business transactions.

Business Administration 161 — Introduction to Data Processing. Cr. 2.

Designed to orient the student with knowledge of computer applications and terminology, including experience using various types of IBM equipment. (No Prerequisite).

Business Administration 181 — R.P.G. Course. Cr. 3 (2+2L).

Introduction to business programming using report program generator language using card and disk input and output. Programs will emphasize business applications. Prerequisite: Introduction to Data Processing Courses or permission of Instructor.

Business Administration 211 — Elementary Accounting. Cr. 4.

Basic accounting, record keeping, and control related to individual proprietorship. Debits and credits, recording entries in a general journal, special journals, posting of both the general ledger and subsidiary ledgers. Trial balances, work sheets; adjusting, closing, and reversing entries; financial statements. Prerequisite: First Class standing, or permission of the Instructor.

Business Administration 212 — Elementary Accounting. Cr. 4.

Major emphasis on partnerships and corporations, and accounting problems incident thereto. Cost accounting and manufacturing accounting, branch problems and department accounting procedures. Voucher system, balance sheets, statements of profit and loss. Analysis of financial statements. Prerequisite: B.A. 211 or permission of Instructor.

Business Administration 224 — Business Statistics. Cr. 3.

Basic statistical concepts which are commonly used by businessmen are studied. Topics covered include: collection of statistical data; presentation of data in reports, tables, and graphs; construction and use of index numbers, analysis of data through the use of the frequency distribution, measures of central tendency, measures of dispersion, measures of secular trend, cyclical movements, and seasonal forces. Emphasis is placed on the application of statistical concepts to the solution of practical business problems. Mathematical treatment is reduced to simplest terms consistent with the objectives of the course. Prerequisite: First Class standing.

THE DEPARTMENT OF PHYSICAL EDUCATION JUNIOR COLLEGE

Major Marshall Brown, Department Chairman

Major Richard P. Estergard, Captain Robert F. Dennis, Captain John L. Higdon, Captain Glen Wiley Markham, Captain John H. Nicely, Captain Charles F. Randall, Captain John R. Ussery.

Purpose:

The physical education program is designed through the medium of selected activity courses to meet the needs of the Corps of Cadets in the following areas:

1. Attainment of physical fitness.
2. Acquisition of fundamental skills, basic knowledge, and an appreciation of a variety of physical activities.

3. Instruction and experience in selected recreational activities adaptable to the worthy use of leisure time.

Courses:

P.E. 101 Cr. 1.

Participation in selected sports activities such as flag football, basketball, volleyball, tennis, weight training, bowling, gymnastics, and water polo.

P.E. 102. Cr. 1.

Continuation of P.E. 101.

P.E. 201. Cr. 1.

Same selected sports activities as in 101-102 for the second year college cadet.

P.E. 202. Cre. 1.

Continuation of P.E. 201.

P.E. 110, First Aid. Cr. 2.

The American Red Cross course including the study of techniques necessary in first aid practice with special emphasis on prevention of accidents through safety procedures. Red Cross certificates will be awarded to those completing the course.

P. E. 171. Personal and Community Health. Cr. 3.

Study of personal, home, and community health problems with emphasis on physical fitness, prevention, and control of disease, safety, establishment of proper health habits and knowledge to use medical science effectively.

P.E. 230. Water Safety Instructors' Course. Cr. 2.

Students will learn the nine basic swimming strokes, write a term paper, and teach swimming two hours per week. Prerequisites: Senior Life Saving Certificate; must also have reached eighteenth birthday.

P.E. 264. Introduction to Physical Education. Cr. 3.

A panoramic study of the field of physical education with stress placed on historical and cultural foundation along with vocational, scientific, and educational data as they affect careers in the field of physical education.

HIGH SCHOOL DIVISION

The high school division at the New Mexico Military Institute is fully accredited by the North Central Association of Secondary Schools and Colleges and by the New Mexico State Department of Education. The high school curriculum is college preparatory in nature and is designed primarily for those students planning to pursue a college course of study after graduation. The Institute is not a remedial institution either academically or disciplinarily. It is not equipped to convert an academically weak young man into a student qualified to attend college. The Institute does offer high quality instruction in relatively small classes. It does offer a controlled study atmosphere in which all cadets below the First Class (college sophomores) must be in their rooms for two and one-half hours a night, five nights a week. This study period is supervised to the extent that members of the Faculty and Staff stroll around the balcony outside the rooms to be sure the cadets are in a study attitude. They are also available to help in particular study problems. All of the Faculty are willing to spend extra time with an individual cadet at the request of that cadet.

The following information should give the person interested in attending the New Mexico Military Institute high school a more complete understanding of this division.

GENERAL REQUIREMENTS FOR ADMISSION TO THE HIGH SCHOOL DIVISION

A candidate must be fourteen years of age or older and must be not less than five feet in height. He must never have been married, must be of good moral character, and must be in vigorous physical health.

Academically an applicant must have demonstrated the ability to perform at least average work as shown by a cumulative grade point average of C (2.00) or better. A student with less than a cumulative grade point average 2.00 may apply for individual consideration.

An applicant must have completed the ninth grade as a minimum. Entrance examinations are not required. Personal interviews are not necessary, but applicants and their parents are welcome at the Admissions Office on Mondays through Fridays from 8:00 A.M. until 4:00 P.M. An appointment is not necessary.

New applicants are admitted into all classes except the First Class (sophomore year of college). Accepted applicants are placed in classes at the Institute in accordance with the number of academic subjects completed at the time of fall matriculation, following the stipulations given under "Class Designation and Promotion."

To be admitted into the Fifth Class (corresponding to the sophomore year of high school), the applicant must have completed at least four acceptable units — units that count toward the High School Diploma. English I must be one of the units. No credit is given for work completed in the eighth grade.

Admission to the Institute is selective and based upon a careful study of all the application papers, with consideration being given to personal as well as academic requirements. Preference is given to New Mexico residents, to returning cadets, and to sons of alumni.

The admission of a student, his continuance upon the rolls of the Institute, the receipt by him of academic credits, his graduation, and the conferring of any degree, diploma, or certificate upon him is entirely subject to the disciplinary powers of the Institute, which are free to dismiss him at any time on any grounds which are deemed advisable.

HOW TO APPLY FOR ADMISSION

Application papers may be obtained from the Director of Admissions. They consist of: an application to be filled out by the prospective cadet, an attached contract to be signed by the parent or guardian, a copy of that contract for the parent's file, a Personal Information from Parent form, a Certificate of Recommendation, and medical forms. The majority of new cadets for fall enrollment are selected during the previous spring. It is better, then, to make application in February through April for the fall. Previous experience shows there will be a small number of last minute cancellations; accordingly applications are accepted as late as Sept. 1. Applications for midyear entrance should be received no later than January 10.

The decision to apply having been made, the Application, Personal Information, and the advance deposit of \$100, which will be credited toward the tuition, should be sent to the Institute. The Certificate of Recommendation should be given to the applicant's high school Principal (or Counselor) with the request that it be filled out and sent directly to the Institute. This form requests a complete record of grades starting with the ninth grade and including grades in subjects in progress, together with class rank, results of standardized tests, and an evaluation by the Principal (or Counselor) of the student's personal character and academic capabilities. Since other personal references are not required, this latter information is essential even though the grades and tests are supplied by modern copying methods.

The Medical Examination and Medical History form and an Immunization Record are to be completed by the applicant's physician. The required inoculations, to have been received within three years previous to matriculation are as follows: typhoid, diphtheria, tetanus, poliomyelitis, and smallpox. The applicant must be free of contagious or infectious disease. Corrective medical or surgical treatment, including dental care and the fitting of glasses, should be completed before entrance into the Institute. Furloughs are not granted for orthodontic treatment. The Institute is authorized to provide any medical care and treatment which in the opinion of its medical staff is necessary or proper.

Within approximately two weeks after receipt of the Application and the Certificate of Recommendation, the applicant will be notified: (1) That he has been provisionally accepted, (2) that he has been placed on a waiting list for a possible vacancy, (3) that the Admission Board desired to review his case with the grades for the current semester, or (4) that his application has not been accepted. In the event the applicant does not hear from the Institute in a reasonable time after the initial letter acknowledging the application, it may be assumed that the Certificate of Recommendation has not been received; appropriate inquiries should be directed to the applicant's high school. Final acceptance is not made until: (1) final grades have been received and (2) the Medical Examination and Medical History form and the Immunization Record have been received and are satisfactory. Upon final acceptance each applicant is informed of his official class level at the Institute and is told when to report and what to bring.

In all cases it is the applicant's responsibility to have final academic grades, including any summer school grades, sent to the Institute. If these cannot be mailed in time to arrive before matriculation, they should be brought by the applicant when he registers.

Returning cadets apply for readmission by submitting a signed request for reenrollment, together with an advance deposit of \$100 before a reenrollment application deadline which is announced each spring.

The Institute reserves the right to refuse entrance to anyone, and therefore at its discretion, may approve or disapprove any application for admission. The full amount of the advance deposit is returned when an application is not accepted.

REQUIREMENTS FOR THE HIGH SCHOOL DIPLOMA

1. A cadet must earn eighteen units of credit during his four high school years. The eighteen units must conform to the following requirements:

English 1, 2, 3, 4 — four units required. Public speaking will not satisfy any part of the English requirement.

Mathematics: Algebra 1, [Geometry, Algebra 2 or General Math (one required)]. Trigonometry, mechanical drawing, and college preparatory mathematics are available.

Science: Two units, required from biology, physics, chemistry.

Foreign Language: Two units of one language required. French, German, Latin, and Spanish are available*.

Social Science: Two units required, one of which must be United States History.

Military Training: One unit required. Cadets study MT each year, but a maximum of two units of credit may be earned in it.

Physical Education: One unit required. One third of a unit may be earned each year.

Additional requirements: Four units of elective nature.

Remedial subjects and driver education do not count toward the High School Diploma.

*Cadets entering as new students during the Senior year and with no previous language credit will be required to take only one year of a foreign language but must take one other elective to satisfy this credit loss.

2. A Third Class new cadet must earn a minimum of two units of credit at the Institute and must spend two semesters in residence (three semesters for a midyear entrant), one of which must be as a Third Classman. The Diploma cannot be granted for work completed after final departure from the Institute.

3. Summer work at an accredited school is recognized, but not more than two units may be earned in a single summer for transfer to NMML. Private tutoring is not recognized as a source of credit.

4. Although no minimum grade-point average is required for the High School Diploma, failure to earn a grade-point average of at least 1.5 for courses taken at the Institute may be considered by the Admission Board as grounds for refusal to admit a cadet to the Second Class.

The length of time it will take an entering student to satisfy the requirements for the High School Diploma will depend on the number of acceptable units he submits on entrance. An entering Fifth Classman will have three years to accumulate his required units, whereas an entering Third Classman may find that completion will take longer than a year's time. This fact must be borne in mind by all entrants who expect to earn a High School Diploma. However, a cadet who lacks but one and one-third units of completion by the last half of his Third Class year may be classified as a Second Classman and take most of his work on the college level. Thus, he may satisfy the requirements for the High School Diploma while classified as a college student taking mainly college subjects.

A Third Classman who is enrolled for the final subjects required for completion may, with the Dean's approval, take a maximum of nine semester hours of college-level work.

CLASS DESIGNATION AND PROMOTION

To qualify for entrance to the Fifth Class (10th grade), a student must submit four acceptable units — units that count toward the High School Diploma. English I must be one of the units submitted.

To qualify as a Fourth Classman (11th grade), a student must have earned eight and one-third acceptable units of credit.

To qualify as a Third Classman (12th grade), he must have a total of twelve and two-thirds acceptable units of credit.

To qualify as a Second Classman, or freshman in college, he must be either a graduate of an accredited high school or have earned sixteen and two-thirds of the eighteen units necessary for the High School Diploma. In the latter case, he is required to complete the units he lacks while pursuing a college-level program.

ACADEMIC PROMOTION, SUSPENSION, AND DISMISSAL

A Third, Fourth, or Fifth Classman who earns a grade-point average of less than 1.00 for a semester is placed on probation. If his grade-point average remains below 1.00 for two successive half years, he is subject to suspension for a half year. A cadet desiring readmission after suspension must reapply, whereupon the Admissions Board will decide for or against readmission. If readmitted, the cadet is on academic probation until his work justifies a change of status. If academic suspension again becomes necessary, the cadet is granted honorable dismissal.

THE DEAN'S LIST

To gain membership on the Dean's List, a cadet must earn a grade-point average of 3.00 on his entire academic program, with no grade falling below C. His program must include a minimum of four academic subjects plus MT and PE. Additionally, his grade in deportment must be passing.

A cadet qualifying for the Dean's List at the nine week grading period is entitled to certain privileges specified in the Blue Book. If he qualifies for a half year, he is privileged to wear the Dean's List Star during the half year immediately following and to avail himself of the Dean's List furlough as prescribed in the Blue Book.

THE SUPERINTENDENT'S LIST

The Superintendent's List consists of those cadets who are simultaneously on the Dean's List and the Commandant's List. When earned at the end of a semester the cadet will be authorized to use the two furloughs consecutively in the succeeding semester. He will wear the Dean's List Star over a circular patch of black superimposed on red felt.

GRADES AND GRADE POINTS

Nine week and eighteen week (half year) grades are issued. The grading symbols employed are: A—Excellent; B—Above Average; C—Average; D—Below Average; F—Failure; W—Withdrawn during the first five weeks; WF—Withdrawn while Failing; X—Incomplete, a grade which must normally be made up within the ensuing nine weeks.

A student may repeat a course to raise a grade of D to a transferable one; however, credit is not given twice. All academic work must show on his permanent record and his transcript. All courses attempted with a grade symbol other than W are used in computing a cumulative grade point average such as is needed for the Associate in Arts degree.

Grade points are assigned as follows: for A,4; B,3; C,2; D,1; F,0.

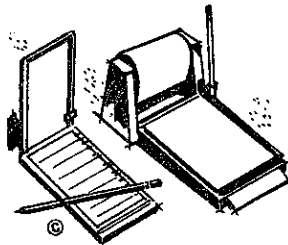
Advance Placement Courses are weighed as follows: A,5; B,4; C,3; D,2; F,0.

TRANSCRIPTS OF CREDIT

All cadets are entitled to one free transcript each semester. The charge for each transcript above the allowance is \$1.00.

AUTOMOBILES NOT PERMITTED

High School cadets are not permitted to own motor-propelled vehicles, including automobiles, on the Institute campus or in the vicinity of Roswell. Any cadet in possession of a valid drivers' license recognized by the State of New Mexico will be permitted to drive an automobile, provided he has the owner's written permission. The renting of an automobile will not be authorized.



COURSES OFFERED

THE DIVISION OF HUMANITIES HIGH SCHOOL

Lieutenant Colonel James W. Branch, Division Chairman

DEPARTMENT OF ENGLISH

Major Richard G. Limbaugh, Department Chairman

Major Donald M. Cassidy, Captain James V. Hall, Captain Travis W. Reames, Mrs. Gwen Robbins, Major Albert E. Scott, Miss Phyllis Stubbs, Captain James F. Thompson.

Purpose:

It is the purpose of this department to give each cadet the opportunity to acquire such skills as will enable him to use his language effectively in writing and speaking, and to give him some knowledge and appreciation of his literary heritage. English Advanced Placement is offered in some courses.

Courses:

English 2a. Credit: one-half unit.

The first half of an integrated program: grammar; word study; study of literary genres; extensive theme writing; reading improvement; two classics; library study. Prerequisite: English 1a and 1b before entering N.M.M.I.

English 2b. Credit: one-half unit.

A continuation of English 2a. Prerequisite: same as for English 2a.

English 3a. Credit: one-half unit.

The first half of an integrated program: grammar; word study; study of American literature; extensive theme writing; a long critical paper; two American classics.

English 3b. Credit: one-half unit.

A continuation of English 3a.

English 3 (Advanced Placement). Credit: one unit.

Semesters I and II required. A two-semester course with emphasis on critical reading of literature and proficiency in composition. Enrollment restricted.

English 4a. Credit: one-half unit.

The first half of an integrated program: grammar; word study; study of English literature; extensive theme writing; a research unit; two English classics.

English 4b. Credit: one-half unit.

A continuation of English 4a, substituting a paper in literary criticism for the research unit.

English 4 (Advanced Placement). Credit: one unit.

Semesters I and II required. Continuation of English 3 Advanced Placement. Students will receive college credit in English for satisfactory completion of course and qualifying score on advanced placement examination. Enrollment restricted.

World Literature. Credit: one-half unit. Semester I.

A survey of world literature from beginning to Renaissance; four additional classics; extensive theme writing; one research paper; open to juniors and seniors only; elective course; does not substitute for English 2a-2b, 3a-3b, 4a-4b.

World Literature. Credit: one-half unit. Semester II.

A survey of world literature from Renaissance to modern times; four additional classics; extensive theme writing; one research paper. Elective open to juniors and seniors; no prerequisite; does not substitute for English 2a-2b, 3a-3b, 4a-4b.

Creative Writing. Credit: one-half unit. Semester I.

An introduction to the disciplines and organization of writing and the markets for writers; extensive practice in developing ideas for publication; no prerequisite; does not substitute for English 2a-2b, 3a-3b, 4a-4b.

Creative Writing. Credit: one-half unit. Semester II.

An advanced course in creative writing; extensive practice in handling the elements of fiction, studies of models of the short story and novel. No course prerequisites, but permission of the instructor required; does not substitute for English 2a-2b, 3a-3b, 4a-4b.

Yearbook Journalism a. Credit: one-half unit.

Selective enrollment. Theory and practice of yearbook publications. Study of design, layout, and copy techniques; accomplishment of detailed plan of complete yearbook; production of approximately one-third of the **Bronco**.

Yearbook Journalism b. Credit: one-half unit.

A continuation of Yearbook Journalism a. Production of approximately the final two-thirds of the **Bronco**. A maximum of one high school credit will be allowed toward graduation.

Developmental and Corrective Reading. No credit.

For students deficient in reading ability; taught individually; films and other aids employed; stress on techniques of study.

Department of Foreign Languages

Major Bennie A. Padilla, Department Chairman

Captain Hermann Graef, Captain Raymond O. Lysek, Captain Adrian J. Martinez, Captain Alex P. Sena, Captain Candido Tafoya.

Purpose:

It is the purpose of the department to encourage the use of a foreign language as a requisite for modern life. It focuses the attention upon the acquisition of a set of basic skills, which can become real mastery for professional use when practiced long enough. It emphasizes the importance of knowledge of a second language as a vital element both in cultural and international understanding.

Registration Instructions:

- a) Native speakers, subject to placement test.
- b) No credit will be given for language courses taken prior to the ninth grade.
- c) No previous courses in the language, register for 1a.

Language Laboratory:

Each student in high school, levels 1 and 2, will have two periods in the language laboratory per week. Laboratory fee: \$5.00 per semester.

French Courses:

French 1. Credit: one unit.

A sequence course. Stress on basic skills, comprehension and speaking. Oral drills. Essentials of grammar. Fundamentals of reading and writing.

French 2. Credit: one unit.

A sequence course. Elements of grammar, pronunciation, conversation; exercises in composition and translation. Introduction into French culture through reading, writing and audio-visual aids.

German Courses:

German 1. Credit: one unit.

A sequence course. Stress on basic skills, and speaking; oral drills; essentials of grammar; fundamentals of reading and writing; phonetics.

German 2. Credit: one unit.

A sequence course. Review and further elaboration of grammar, composition, and conversation, with stress on reading. Students are prepared for a second year college German course.

Spanish Courses:**Spanish 1. Credit: one unit.**

A sequence course. Stress on basic skills, listening comprehension and speaking; oral drills; essentials of grammar; fundamentals of reading and writing; phonetics.

Spanish 2. Credit: one unit.

A sequence course. Stress on reading comprehension and writing. Reinforcement of basic skills. Advanced grammar study and structural patterns. Writing drills recombine structure and vocabulary while permitting the student a certain freedom in the development of his written expression.

Spanish 3. Credit: one unit.

A sequence course. Stress on advanced reading comprehension and composition. Short stories by Peninsular and Spanish-American authors serve as basis for cultural study as well as conversation. Course is conducted in Spanish.

Spanish 4. Credit: one unit.

A sequence course. Reading and conversational course. Grammar as needed. Peninsular and Spanish-American authors serve as basis for conversation and literary study. Oral and written reports. Course conducted in Spanish.

Latin Courses:**Latin 1. Credit: one unit.**

A sequence course. Grammar, vocabulary, translation from Latin to English and from English to Latin. Drills and exercises are designed for beginning students.

Latin 2. Credit: one unit.

A sequence course. Review of first-year Latin. Grammar continued. Translations of stories from Roman history, the quest of the Golden Fleece, parts of Caesar's Commentaries, prose composition. The massive influence of Rome on Western civilization is brought into sharp focus through class discussions, written reports and audio-visual aids.

**DEPARTMENT OF FINE ARTS
HIGH SCHOOL**

Captain Roger Rush, Department Chairman

Captain Travis Reames, Captain James Thompson, and Captain Alex Sena.

Purpose:

To develop an understanding and appreciation of the fine arts in order to enjoy a life of culture, and to stimulate creative ability in the individual student.

Note: Only one unit of music credit is applicable to requirements for the high school diploma.

Courses:

Music 1—Band. Credit: one-half unit.
Elective only.

Music 2—Band. Credit: one-half unit.
Elective only.

Music 3—Band. Credit: one-half unit.
Elective only.

Music 4—Choir. Credit: one-half unit.
Elective only.

Art 1a. Credit: one-half unit.

Introduction to two dimensional design principles, color theory, painting and drawing with various media. Art history lectures. Prerequisite: Third Class standing and/or instructor's permission. Breakage and studio fee \$5.00.

Art 1b. Credit: one-half unit.

Introduction to three dimensional design principles, sculpture methods utilizing various materials. Art history lectures. Prerequisite: Third Class standing and/or instructor's permission. Breakage and studio fee \$5.00.



THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS HIGH SCHOOL

Lieutenant Colonel William C. Roudebush, Division Chairman

The Department of Biology

Lieutenant Colonel William F. Harris, Department Chairman

Captain D. Paul White, Captain Joseph D. Graham, Major Allen J. Lovelace.

Purpose:

The high school course in biology illustrates the fundamental principles in biology and encourages the development of scientific attitudes toward all realms of life. Maintenance of records, awareness of new developments in science, and retrieval of information from the library are all stressed.

Biology 1. Credit: one unit.

A sequence course. A study of plant and animal forms with respect to unity of processes, diversity of types, and continuity of generations. Laboratory work involves extensive use of the compound microscope, study of living organisms, dissections, student experiments and classroom demonstrations. Currently, the Yellow Version: BSCS, is being used in classroom and laboratory. Laboratory fee: \$5.00 per semester.

The Department of Chemistry

Colonel G. Seth Orell, Department Chairman

Captain B. R. Holmes, Captain J. J. Jenkins, Captain Glen D. McDonald.

Purpose:

The high school course in chemistry aims to teach the student how to analyze the problems likely to confront him. Also it provides the student with a sound basic technical knowledge of chemistry by application of the scientific method. The development of sound laboratory techniques is essential to advancement in the field.

Chemistry. Credit: one unit.

A sequence course. The fundamentals of chemistry; atomic structure, Periodic Table, and chemical bonding. Use of atomic orbital board and atomic models. The mathematics of elementary chemistry stressed. In-

roduction to the use of the slide rule. The study of ionization and the several families of the elements. A short time is spent on nuclear reactions and the elements of organic chemistry. Careful attention is given to teaching and learning aids. Laboratory fee: \$5.00 per semester.

The Department of Mathematics

Lieutenant Colonel William H. Morgan, Department Chairman

Colonel Chester H. Anderson; Major Phillip J. Farren, Captain John J. Foster, Captain Michael M. Mills, Colonel Ellsworth N. Murray, Captain William F. Rodden, Lieutenant Colonel William C. Roudebush.

Purpose:

It is the purpose of this department to provide for each high school student the opportunity to acquire those mathematical skills and knowledge needed in the pursuance of his educational objective. To provide for the varied aptitudes and interests, several tracts are available. These choices allow the less gifted student to pursue a minimal course, while the more gifted student can follow a more challenging sequence of courses, culminating in an advanced placement course including considerable calculus.

Courses:

General Math a. Credit: one-half unit.

Review of fundamentals of algebra; technical mathematics; insurance; taxation; investments; mensuration formulae; precision and accuracy in measurement. Prerequisite: Algebra 1a and 1b, no geometry credit.

General Math b. Credit: one-half unit.

Income tax, basic slide rule, basic geometric constructions; square roots; pythagorean theorem; basic concepts of congruency and similarity; basic proof concepts, basic numerical trigonometry; introduction to second degree equations. Prerequisite: General Math A, no geometry credit.

Algebra 1. Credit: one unit.

A sequence course. Letters representing quantities; positive and negative numbers; polynomials; simple equations; factoring; introduction to the radical and exponential forms.

Algebra 2. Credit: one unit.

A sequence course. Review of first year algebra; numerical and literal quadratic equations; exponents and radicals; logarithms; use of logarithmic tables in the solution of right triangles; arithmetic and geometric series; the binomial theorem. Prerequisite: Algebra 1. (Algebra 2 is the equiv-

alent of Mathematics A2, Quadratics and beyond, as designated by the College Entrance Examination Board.)

Geometry. Credit: one unit.

A sequence course. Theorems, construction, and practical applications of geometry to everyday living. Circles, the measurement of angles and areas; proportions and similar polygons. Prerequisite: Algebra I.

Plane Trigonometry. Credit: one-half unit.

Functions of acute angles, logarithms, solution of right triangles, graphing of functions, identities, general triangles, applications of trigonometry to algebra. Stress on applied problems. Prerequisite: Algebra II.

Mechanical Drawing. Credit: one unit.

A sequence course. Use of instruments, lettering plates, geometrical construction, drawing conventions, orthographic and isometric projections, oblique projections, free hand sketching, detail and assembly drawings, development, and blueprint. Five regular periods a week. Laboratory fee: \$5.00 per semester.

Algebra and Trigonometry: Credit: one unit.

A sequence course. An integrated course covering the material usually covered in the standard courses in high school trigonometry and intermediate algebra. It is strongly recommended for those students who are interested in engineering, mathematics, or the service academies. The course makes it possible for a student to get four full years of high school mathematics. Prerequisite: Better than average grades in Algebra 1 and plane geometry, and consent of the instructor.

College Preparatory Mathematics. Credit: one unit.

A sequence course. Advanced topics in algebra; analytic geometry; an introduction to some of the more important topics of differential and integral calculus. Prerequisite: Better than average grades in algebra and trigonometry, and consent of the instructor.



The Department of Physics

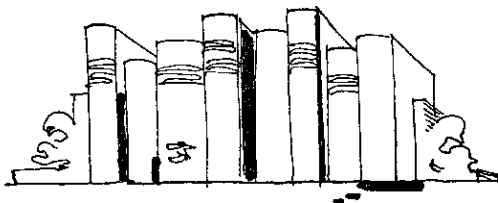
Major Robert A. MacArthur, Department Chairman
Colonel Charles B. Hines.

Purpose:

The Physical Science Study Committee Course is followed in high school physics. This course resulted from a project started in 1956 by the National Science Foundation. The students develop physical concepts through exploration in the laboratory, analysis in the text, and the study of films. The course appeals to students inclined toward the humanities as well as to those interested in science.

Physics. Credit: one unit.

A sequence course. Introduction to fundamental physical concepts of time, space, and matter, and a development of the study of the wave nature of light. A study of the dynamics of motion. Introduction to electricity and through it to the physics of the atom. This course uses a specially designed series of experiments and motion pictures to show experiments beyond the reach of students. Demonstrations and outside reference readings. Laboratory fee: \$5.00 per semester. Each student is charged in addition for broken apparatus. Prerequisite: Algebra 1 and Geometry.



THE DIVISION OF SOCIAL SCIENCES AND BUSINESS ADMINISTRATION

HIGH SCHOOL

Lieutenant Colonel Edward M. Praisner, Division Chairman

THE DEPARTMENT OF SOCIAL SCIENCES

Major Eugene F. McGuire, Department Chairman

Captain Robert C. Bell, Colonel Roy W. Cole, Captain Eddie L. Coplen, Captain Jim H. Hughes, Captain Austin Q. Maley, Captain Gary V. Larson

History Courses:

World History a. Credit: one-half unit.

A survey of economic, social, and political events and trends from ancient times to the seventeenth century.

World History b. Credit: one-half unit.

A survey of economic, social and political events and trends from the seventeenth century to the present time. (A continuation of World History a).

American History a. Credit: one-half unit.

Discovery and exploration of America; the colonial period and revolution. The Constitution and establishment of Federal government. Nationalism, westward expansion, sectionalism, the Civil War and Reconstruction. Supplementary reading, films, current events and reports.

American History b. Credit: one-half unit.

Industrial growth, with resulting social, political, labor, and economic problems. Legislative solutions. Emergence from isolation, the United States as a world power. Depression, the New Deal, and free world leadership. Supplementary reading, films, current events and reports.

American History a & b A.P. (Advance Placement). Credit: one-half unit each.

For selected students; course descriptions as for American History a and b, and offered concurrently, but enriched by additional subject matter, interpretations, seminars, and discussions.

Government Courses:

American Government. Credit: one-half unit.

Introduction into fundamental concepts of Federal, state, and city governments. Political ideals and standards of political morality in our Democracy compared to contrasting ideologies. Latest audio-visual aids for better understanding basic premises and for interpretation of current affairs.

Economics Courses:**Economics. Credit: one-half unit.**

Introduction into fundamental economic concepts. Study of the five main divisions: consumption, production, exchange, distribution, and governmental functions. Related audio-visual aids and current affairs materials for latest trends in the business world.

Psychology Courses:**Psychology. Credit: one-half unit.**

A study of motivations and behavior patterns and of the complex influences in our culture. Designed to encourage a scientific examination of human nature, both of self and of others.

Geography Courses:**Geography and Current History. Credit: one-half unit.**

A comprehensive study of the physical and political geography of the world today, focusing attention upon areas in conflict and contention on the international scene.

Sociology Courses:**Sociology. Credit: one-half unit.**

Devoted to the study of human groups. Centers around historical development, culture, objectivity, and familiarization with the language used in connection with the subject.

The Department of Business Administration

Major Donald L. Neelen, Department Chairman

Capt. Richard T. McKelvie

Purpose:

To provide the student of business administration with an adequate background to pursue college study in that area and to make him more efficient in the handling of his personal affairs.

Courses:**Bookkeeping. Credit: one unit.**

A sequence course. Debit and credit as used in the journal and ledger are studied in connection with exercises. Special journals, worksheets, and financial statements for closing books at the end of a fiscal period are prepared. Bookkeeping required for small businesses; partnership and corporation bookkeeping; principles of budgeting. Business law, economics, taxation. A practice set with business papers is required.

Typewriting a. Credit: one-half unit.

Location and manipulation of the keyboard; principal parts of the type-

writer and their use. Emphasis on accuracy, rhythm, development of even touch. Fee: \$5.00.

Typewriting b. Credit: one-half unit.

Study of the business letter, term papers, and other special forms. Increased emphasis on speed and accuracy. Fee: \$5.00.

Introduction to Automated Data Processing. Credit: one-half unit.

An introductory course giving the student a basic understanding of data processing. The course includes a study of the development of data processing, complete examination of machine languages, and the writing of simple computer programs.

THE DEPARTMENT OF PHYSICAL EDUCATION HIGH SCHOOL

Major Marshall Brown, Department Chairman

Captain Robert F. Dennis, Major Richard P. Estergard, Captain John L. Higdon, Captain Glen Wiley Markham, Captain John H. Nicely, Captain Charles F. Randall, Captain John R. Ussery.

Purpose:

The physical education program is designed through the medium of selected activity courses to meet the needs of the Corps of Cadets in the following areas:

1. Attainment of physical fitness.
2. Acquisition of fundamental skills, basic knowledge, and an appreciation of a variety of physical activities.
3. Instruction and experience in selected recreational activities adaptable to the worthy use of leisure time.

Courses:

P.E. 1. Credit: one-third unit.

A sequence course. The program of physical education for the cadet in his first year at the Institute.

P.E. 2. Credit: one-third unit.

A sequence course. The program of physical education for the cadet in his second year at the Institute.

P.E. 3. Credit: one-third unit.

A sequence course. The program of physical education for the cadet in his third year at the Institute.

ATHLETICS

PHYSICAL EDUCATION

Physical education participation is required of all cadets during each semester of attendance at the New Mexico Military Institute. P.E. classes allow participation in the following athletic areas: Tennis, golf, bowling, volleyball, gymnastics, football, basketball, softball and swimming. Available to swimmers is instruction in senior lifesaving and water safety.

On the college level, physical education courses in first aid, introduction to physical education and personal and community health are taught.

INTRAMURALS

Intramural athletics is a required program whereby cadets compete on a troop and squadron level with other such units on the NMMI campus. This competition leads to various awards for the winning units.

VARSITY ATHLETICS

New Mexico Military Institute participates in varsity sports in both the high school and junior college divisions. The junior college teams are members of the National Junior College Athletic Association and compete with other colleges in the areas of football, basketball, track, golf, baseball, and tennis.

The high school varsity teams are members of the New Mexico Activities Association and participate at the AA level of competition. Varsity teams are sponsored in the areas of football, basketball, track (including cross country), swimming, golf, and tennis.

SPONSORED ACTIVITIES

The following sports are available and in addition to those varsity athletics regulated by the New Mexico Activities Association.

Karati. Karati is taught as a club activity with a faculty sponsor and competent instructors in our city with competitive meets around the state.

Skiing. Skiing is handled by a faculty sponsor and trips are made on a regular basis to the Ruidoso and Cloudfcroft ski areas with lessons available at these locations. There is also a group that enters some of the racing meets in the surrounding ski areas. Many cadets are also on the Ski Patrol.

Boxing. The Boxing Team has both Novice and Open boxers who compete in the Golden Gloves in the surrounding areas and travel to the National Golden Gloves Tournament.

Archery. Archery is fast becoming a popular sport on the NMMI campus with a fine course approximately five blocks from the campus available to cadets.

Drill Team. The NMMI Drill Team (Goss Rifles), under the sponsorship of the Military Science Department, has become one of the finest Drill Teams in the Southwest. Cadets are entered in competition with many four year schools. A minimum of four large meets a year, including a meet on the NMMI campus, are entered by this group.

Rifle Team. The Institute rifle team engages in many competitive meets both in and out of the State of New Mexico. Cadets from both the high school and junior college divisions are eligible to participate in small bore rifle competition.

Rodeo Club. The NMMI Rodeo Club offers cadets an opportunity to enjoy and develop skills in the various rodeo events and in all aspects of horsemanship. Provided are regular practice sessions and an opportunity to participate in as many rodeos as possible during the school year. The club is made up of cadets interested in western ranch and cowboy activities. All members of the club are entitled to participate in rodeo activities providing they have parental permission.



THE DEPARTMENT OF MILITARY SCIENCE

Colonel George T. Pitts Jr., USA, BS — Massachusetts State College,
Professor of Military Science

The Department of the Army supports the ROTC Program by assignment of active duty personnel as follows:

Senior Division

Professor of Military Science — 1 Colonel U.S. Army

Assistant Professors of Military Science — 1 Major and 2 Captains U.S. Army

5 Noncommissioned Officers in support of instruction, administration and supply

Clerk/Stenographer — 1 Department of the Army Civilian

Junior Division

Senior Army Instructor — 1 Captain U.S. Army

1 Noncommissioned Officer Instructor

OBJECTIVES

The objectives of the ROTC Program at New Mexico Military Institute are:

a. To contribute to the attainment of the institution's aims and objectives, with particular emphasis on the development of self-discipline, responsibility and leadership.

b. To prepare cadets to serve their military obligation with honor and distinction.

c. To qualify selected cadets for commissioning as Second Lieutenants in the Army of the United States.

SCOPE

All cadets, with the exception of 5th Classmen, are enrolled in the ROTC Program. High school cadets are enrolled in the Junior Division ROTC Program and college cadets are enrolled in the Senior Division Program. Both programs are prescribed by the Department of the Army. Credit for each full course of instruction is transferable among institutions offering Army ROTC. Each course of instruction spans one school year. However, individual institutions determine their own academic credit allowable per course toward graduation.

Senior Division ROTC is a terminal program, the successful completion of which qualifies a cadet for commissioning as a Second Lieutenant in the U.S. Army Reserve. He must, however, have previously accepted a contract with the U.S. Army. Upon completion

of all requirements of the contract, a cadet may be immediately commissioned at graduation from NMMI. If a cadet desires to continue his education to obtain a baccalaureate degree, he will receive a two year delay for this purpose. Additional delays must be approved by Headquarters, Fourth United States Army.

APPOINTMENTS TO SERVICE ACADEMIES

On June 19, 1909, New Mexico Military Institute gained national recognition by being designated an Honor Military School by the War Department. Each year since 1909, NMMI has been honored by this designation, which is a result of superior ratings attained during annual inspections by the Department of the Army. As an Honor Military School, NMMI is authorized to nominate three cadets to compete for appointments to each service academy (i.e. United States Military Academy, West Point, New York; United States Naval Academy, Annapolis, Maryland and United States Air Force Academy, Colorado Springs, Colorado.)

Cadets interested in attending any of the service academies, including the United States Coast Guard Academy and the United States Merchant Marine Academy, are urged to make their intent known to their faculty advisor, the Director of Guidance and the Professor of Military Science.

SELECTIVE SERVICE DEFERMENTS

Provisions for a student selective service (draft) deferment (Class 2S) is the responsibility of the NMMI Registrar, not the Professor of Military Science. The Registrar furnishes the necessary information to the local selective service boards which make the final determination concerning student deferments.

The Department of Military Science provides deferments to Advance Course ROTC cadets who are under contract with the U.S. Army. Contract cadets receive a military deferment (Class 1D) from the time they are placed under contract until they are commissioned and called to active duty. This deferment is renewed annually by the Professor of Military Science.

ENROLLMENT POLICY

All cadets, including 5th Classmen, are required to participate in drill, ceremonies and field training sponsored by the Department of Military Science. Exemption from enrollment in ROTC Classroom

instruction will be approved only by the Superintendent. Since each course of instruction spans one full school year, cadets enrolling at mid-year will not normally be enrolled in ROTC classroom instruction until the following September.

All cadets must be physically able to participate in marches and field training. Cadets must be citizens of the United States or, in the case of foreign students, furnish prior written approval for enrollment from their national embassy in Washington, D.C.

THE ARMY ROTC CONTRACT

Fundamentally, the Army ROTC Contract is an agreement between the United States Army and the cadet requiring that the latter perform certain requirements for which the cadet will receive a commission as an officer in the United States Army Reserve. The contract requires the officer to perform the citizen's obligations of reserve service and active duty as it pertains to all citizens of the United States. The difference being that his service will be performed as an officer rather than as an enlistee.

The requirements for enrollment on a contract status are:

- a. Be enrolled in the Advanced Course.
- b. Be a citizen of the United States and sign a contract with the United States Army which requires the cadet to enlist in the U.S. Army Reserve.
- c. Maintain a minimum of at least a 2.00 Grade Point Average in academic courses and maintain at least a "C" average in Military Science.
- d. Achieve a satisfactory score on the U.S. Army General Screening Test.
- e. Be of good moral character, have demonstrated leadership potential and pass a qualifying physical examination.
- f. Receive a favorable recommendation from the Dean and the Commandant of Cadets.
- g. Attend and complete satisfactorily the Advanced ROTC Summer Camp. Camp is conducted during a six-week period at Fort Sill, Oklahoma.

Pay and allowances as part of the contract agreement are as follows:

- a. *Uniform Allowance — \$113.00
- b. *Retainer Pay — \$50.00 per month (maximum of 20 Months)
- c. *Travel Pay to Summer Camp — six cents per mile (round-trip from home of record)
- d. Pay at Summer Camp — The equivalent of one-half the basic pay of a Second Lieutenant.

* All items marked with an asterisk are non-taxable.

Arrangements for foreign students to complete all contractual requirements as equivalent prerequisites for commissions in their armed forces must be processed by their appropriate national embassies in Washington, D.C.

THE TWO YEAR ROTC PROGRAM

The United States Army grants credit for the Army ROTC Basic Course through the attendance and satisfactory completion of the Army ROTC Basic Summer Camp. This program enables a cadet to attend a six-week summer camp at Fort Benning, Georgia, enroll in the Army ROTC Advance Course as a college freshman (2nd Classman) and be commissioned at the completion of two years enrollment in ROTC. A new cadet desiring to enter NMMI as a 2nd Classman may, upon formal enrollment, qualify for attendance at the Army ROTC Basic Summer Camp and gain full credit for MS I and MS II prior to the beginning of school in September. As another example, a cadet 3rd Classman who completes MT 1 & 2 and desires a commission upon graduation from NMMI, may receive credit for MS II during the Army ROTC Basic Summer Camp and enroll in the Army ROTC Advanced Course the following year.

COMMISSIONS IN THE REGULAR ARMY

Contract cadets who are in the upper half of their academic class, in the upper third of their military class and who possess the required outstanding traits of leadership, character and general military aptitude, may be designated Distinguished Military Students (DMS). Those cadets so designated and who retain their rating until they obtain a baccalaureate degree are designated Distinguished Military Graduates (DMG). Distinguished Military Graduates are

eligible to apply for commissioning as Second Lieutenants in the Regular Army rather than the Army Reserve.

THE TWO-YEAR ARMY ROTC SCHOLARSHIP

Currently the United States Army has authorized the Professor of Military Science to award one two-year Army ROTC Scholarship to a deserving cadet each year. The scholarship is open to 3rd Classmen who will return the following September and be eligible to enroll as a 2nd Classman in MS III. The scholarship provides for the payment of all tuition, book and laboratory fees for a two-year period. The recipient must sign a contract with the U.S. Army in which he agrees to serve on active duty for a period of four years and accept a commission in the Army Reserve or Regular Army — whichever is offered. Details concerning this program may be obtained from the Professor of Military Science.

TRANSFER TO NAVY AND AIR FORCE ROTC PROGRAMS

Cadets in a contractual status with the U.S. Army may not transfer to another service ROTC Program. Cadets may transfer constructive credit for the Basic Course portion of the Army ROTC to Air Force ROTC Programs. However, the U.S. Air Force will not normally grant credit for any portion of the Army ROTC Advanced Course. The U.S. Navy ROTC Program will not accept credit for any portion of the Army ROTC Program.

VOLUNTARY ACTIVITIES

The Department of Military Science sponsors extracurricular military-oriented activities to satisfy the interest and motivation of cadets. Briefly, these activities are:

- a. GOSS RIFLES ASSOCIATION. A military-interest society governed by the cadets which supports a competitive precision drill team.
- b. SMALL-BORE RIFLE TEAMS. NRA affiliated high school and college teams which compete in national postal matches and shoulder-to-shoulder matches throughout the Fourth Army Area.
- c. COUNTERGUERRILLA UNIT. An ad hoc organization which receives specialized and intensified physical training and training in Ranger type tactics.
- d. Facilities and supervisors are available and responsive to the

needs and desires of the cadets. Although not formally organized, provisions exist for the creation of a pistol team and large-bore rifle team.

ROTC CURRICULUM

Appropriate credit will be given in accordance with Army Regulations for prior accredited ROTC training and for at least four months active duty with any of the Armed Forces and the United States Coast Guard.

Military Training (MT)

Military Training, offered to High School cadets, consolidates a four-year program into two years. Satisfactory completion of MT 1 & 2 is the equivalent of satisfactorily completing MS I in college. The satisfactory completion of MT 3 & 4 is the equivalent of satisfactorily completing MS II in college.

MT 1 & 2. Credit: one unit

Introduction to ROTC and Military Organization; Courtesies, Customs and Rules of Conduct; Hygiene and First Aid; Leadership, Drill and Exercise of Command; Weapons; Marksmanship; American Military History; Map and Terrain Analysis; Psychology of Leadership.

MT 3 & 4. Credit: one unit

Leadership, Drill and Exercise of Command; Weapons; Marksmanship; Map and Terrain Analysis; Military Teaching Methods; New Developments; Military Service; Counterinsurgency; Branches of the Army; Communications; Methods of Instruction; Principles of Leadership.

Military Science (MS)

Military Science, offered to College cadets, consists of the Basic Course and the Advanced Course. The Basic Course (MS I and MS II), or its equivalent, is a prerequisite for enrollment in the Advance Course (MS III and MS IV). The Military Science Program is General Military Science as opposed to Branch Material. Military subjects presented are common to all branches instead of being oriented toward a specific branch of the Army.

MS I Credit: 2-2

Introduction to ROTC and Military Organization; Courtesies, Customs and Rules of Conduct; The United States Defense Establishment; Weapons; Marksmanship; Map and Terrain Analysis; Leadership Laboratory.

MS II Credit: 2-2

American Military History; Introduction to Tactics and Operations; Map and Terrain Analysis; Weapons; Marksmanship; Leadership Laboratory.

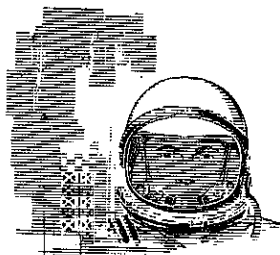
MS III Credit: 3-3

Leadership; Military Teaching Principles; Small Unit Tactics; Com-

munications; Internal Defense/Development; Branches of the Army; Pre-camp Orientation; Leadership Laboratory.

MS IV Credit: 3-3

Army Readiness Programs; Administrative Management; Military Law; Obligations and Responsibilities of an Officer; World Change and Military Implications; Command and Staff; Organization for Operations; Military Intelligence; The Military Team; Logistics; Internal Defense/Development; Leadership Laboratory.



TUITION, FEES AND PERSONAL EXPENSES



In order that all costs and expenses for one year's attendance at N.M.M.I. can be anticipated, a total figure is provided. Thus, the total cost for one year is approximately \$1,686 for a New Mexico resident and \$2,266 for a non-resident. This figure includes not only the cost of academic instruction and all fees, but a deposit for personal expenses as well.

Each enrollment is considered on its own merit for the full academic year. Withdrawal or dismissal for the benefit of the individual or of New Mexico Military Institute at any time prior to the end of the regular term carries full financial obligation, including tuition and fixed fees. Transcripts of academic credit will not be processed until all financial indebtedness has been cleared.

SUMMARY OF EXPENSES

	In-State	Out-of-State
Tuition	\$1,016.00	\$1,596.00
Fixed Fees	120.00	120.00
Deposit for personal expense	550.00*	550.00*
	<hr/>	<hr/>
	\$1,686.00	\$2,266.00

An application for admission must be accompanied by a deposit of \$100.00, which, upon acceptance, will be credited to the cadet's tuition account. Failure to accept a place reserved except for cause means forfeiture of the deposit. The remainder of the tuition is payable on September 1 for the entire year. A deferred payment plan is available by which 60% of the tuition and fees is due September 1 and the balance January 1. This deferred payment plan has been established for the convenience of meeting the tuition and fee payment and has no relationship to semester charges. A semester charge is authorized only for a cadet not enrolled at NMMI during the fall semester, but enrolling for the spring semester; the tuition and fee

charges being approximately one-half of those set forth above.

*For returning cadets the personal expense cost may be reduced as much as \$200.00 if new uniforms are not purchased each year.

Tuition, which includes costs for academic instruction, board, lodging, personal laundry, and infirmary, for residents of New Mexico, is \$1,016.00 a year. For students from out-of-state, the sum is \$1,596.00. Each enrollment is based upon a full year's attendance of nine months.

Fixed fees are as follows: Athletic \$40.00, Library \$10.00, Linen service \$34.00, Lyceum and entertainment \$13.00, and group accident insurance \$23.00. Special fees may be required for particular courses such as chemistry and biology, for diplomas, for preparing transcripts of credit, etc. These are charged to the cadet's personal expense account.

Personal expense for the cadet will ordinarily approximate \$550.00 for the academic year. This sum covers the cost of clothing, books and supplies, weekly allowances, special fees, medicine when required, and incidental expenses. The following items constitute the greater part of charges against a cadet's personal expense account. These charges are approximate and are subject to change from year to year.

Dress uniforms	\$150.00
Daily uniforms	125.00
(If a cadet remains at least four years, he may receive up to \$164.00 from the U.S. Army to defray part of the uniform cost. See section on Military Science for details. He obviously would not have to replace his entire uniform each year.)	
Other equipment and supplies	\$ 45.00
Books and school materials	90.00

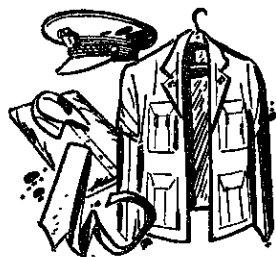
Statements of personal expense are issued each month. An adequate credit balance should be maintained to meet current expenses at all times.

As an alternative to making a single large cash payment, or the 60% - 40% payments, as indicated above, an election may be made to pay monthly under a Tuition Plan Contract. The Tuition Plan then pays the single large payment to NMMI and the parent is able to handle the educational costs on a monthly payment basis. Detailed information on the Tuition Plan will be provided upon request.

A voluntary fee of which it is hoped every cadet will take advantage, is the Alumni Association fee of \$20.00 per semester. Upon payment of this fee for four semesters (\$80.00) the cadet receives a "paid-up" Life Membership in the N.M.M.I. Alumni Association when he departs the Institute. Regular cost of Life Membership after leaving, is \$100.00. Annual membership dues are \$10.00 for those not holding Life Membership. Cadets departing before paying full \$80.00 may pay balance and obtain Life Membership status or have amount paid in credited as annual dues at rate of \$10.00 per year.



CAMPUS LIVING



TYPICAL DAILY SCHEDULE FOR CADETS

5:55 First Call	4:00 Special Duty or Classes;
6:10-6:15 Reveille and Assembly	Athletic Period
6:15 Police of Area	6:00 Supper
6:35 Assembly for Breakfast	6:40 Guard Mount
7:30-11:25 Classes	7:00-9:30 Study Hall
11:30 Dinner	9:35 Tattoo
12:05-12:40 Drill	9:45 Call to Quarters
1:00-3:55 Classes	10:00 Taps (Lights out)

THE MILITARY SYSTEM

Upon matriculation the new cadet enters the Corps of Cadets, which is commanded by the Cadet Regimental Commander under the supervision of the Commandant of Cadets and his Tactical Officers. The new cadet will be assigned to a room in barracks with another new cadet in the same academic class. He will march to meals with his company and eat with them in the dining hall. He will wear his uniform proudly — he is one of the team. During his new-cadet year (half year for Second Class) he will be subject to instructions and lawful orders from the old cadets (new Second Classmen are subject to old college cadets only). The essence of military life is good fellowship with experienced leadership.

The new cadet will be a private during his period as a new cadet; at the end of that period if he is proficient academically and disciplinarily he will be promoted to private first class. Subsequent promotions will come as fast as he shows he is capable of accepting greater responsibility. As in all fields, there is plenty of room at the top. The highest rank for high school cadets is Staff Sergeant.

THE BLUE BOOK

A book of regulations for cadet behavior, known as the Blue Book, is published by the Institute Headquarters, distributed one to each cadet immediately after enrollment, and charged to the cadet's account.

The book contains only the principal regulations and rules of conduct. All cadets are expected to conduct themselves as gentlemen and in a soldierly and orderly manner at all times. They will be reported for any breach of discipline whether or not it is specified in the Blue Book.

HONOR SYSTEM

The Corps of Cadets operates under a rigid Honor Code, which was instituted and is governed by the cadets themselves. Stated simply, this Code means that cadets will not lie, cheat, or steal. Full details of the operation of the Honor Code are published in a separate memorandum which will be issued and explained to every cadet as soon after his enrollment as practical. Violation of this Code will result in severe disciplinary action or dismissal.

The Honor Code is administered by an Honor Board of Cadets, which is appointed each year by the Superintendent.

COUNSELING OF CADETS

The counseling of cadets is an important part of Institute education. Counseling includes the guidance and suggestions of the individual faculty advisor, the Dean, the class supervisors, the Commandant of Cadets, the tactical officer assigned to the cadet's company, the Professor of Military Science, the Chaplain, and the Department of Guidance.

The Department of Guidance is staffed with specialists in counseling and testing. A cadet or his parents should feel free to talk with the counseling office at any time. The staff will provide cadets with vocational and educational information, will administer aptitude and interest tests, and will always be available to assist cadets with personal counseling. Parents are encouraged to communicate with the guidance counselors concerning their son's progress at the Institute.

FURLOUGHS

A cadet admitted to the Institute is subject to its regulations for the full academic year. By virtue of their contract with the Institute, parents or guardians relinquish control and supervision of their sons and wards while they are at the Institute. In order to maintain proper control over the boy or young man, the Institute earnestly requests parents or guardians not to seek special leaves or other special privileges for their youths, and the decision to grant or refuse such requests must remain in the hands of the Institute authorities during the academic year. All furloughs — regular, emergency, medical, and dental — require parental approval.

A Christmas furlough and Easter furlough are granted to the entire Corps of Cadets. For dates of these furloughs, see the Calendar.

Special furloughs are granted in recognition of academic or other achievement. Cadets may earn certain furloughs by class membership and good conduct, and by achievement in academics, military science, and extracurricular activities.

EMPLOYMENT

Cadet employment is governed by an employment board. Financial need, academic and disciplinary proficiency, and individual competence are considered in filling available jobs, and preference is given to old cadets who have demonstrated their abilities.

Cadet employees are hired by the Business Manager, and their pay is credited to their personal accounts. Continuance of employment is contingent upon academic and disciplinary proficiency and satisfactory performance of services. Positions as laboratory assistants, waiters, helpers in the post exchange, library, bowling alley, auditorium, laundry, etc., are among those available to applicants.

PERSONAL FIREARMS AND OTHER WEAPONS

Firearms should not be brought to the Institute, with the exception of such personal weapons as are authorized for team purposes, which will be registered in the Commandant's Office and turned over to the Military Department by a member of the Commandant's staff for storage. The weapons will be used under the guidance of the school team coaches.

SOCIAL

A cadet hostess supervises all cadet social activities. Social activities at the Institute begin with the opening of the school. Under the sponsorship of a Cadet Social Affairs Committee, there is a tea-dance given in V.M.V. Hall to which selected young ladies of Roswell are invited. Thereafter, semi-monthly cadet hops are sponsored by the Cotillion Club.

Formal dances are scheduled from time to time; and climaxing the year's activities is the Final Ball, an event of Commencement Week, to which State officials, the Board of Regents, other distinguished visitors, and patrons and alumni are invited. Music for the Final Ball is usually provided by a "name band" of national reputation.

Motion pictures are shown twice weekly in Pearson Auditorium. A Lyceum series, consisting of several widely different attractions, and the Community Concert Association programs are also presented in the Auditorium.

Cadet clubs are reflections of the interest of the Corps of Cadets. Among these are the Cadet Officers' Club, the Bronco "I" Club, the Colt Club, Cotillion Club, First Sergeants' Club, DeMolay Club, Canterbury Club, Newman Club, Officers Christian Union and French Club.

Cadets have their own regimental band. There is also a cadet orchestra, a cadet choir, and a cadet glee club.

Cadets interested in public speaking may enter the Burton Contest (for Third and Fourth Classmen) or the Ruppert Contest (for First and Second Classmen). Both of these contests are held in the spring semester.

Dramatic performances from variety shows to full-length plays are given on occasion by members of the Corps.

PUBLICATIONS

Three cadet-edited publications are authorized. The Bronco, the annual, has won recognition in national contests; the Maverick, a semi-annual magazine, includes original poetry and many types of prose; and the Recall, the newspaper.

SCHOLARSHIPS AND AWARDS

All scholastic awards are made by the Faculty Scholarship Committee on the basis of criteria established by the donors. At midyear the academic records of all scholarship holders are reviewed by the Committee. A scholarship may be withdrawn for the second semester if, in the opinion of the Committee, the holder has failed to meet the standards prescribed. In such cases only one-half of the award for the year is credited to the holder.

If a cadet who holds a scholarship leaves the Institute during the academic year either for his convenience or for the good of the Institute (suspension or dismissal) the entire scholarship will be forfeited.

Medals and prizes are awarded to cadets who have distinguished themselves in various ways. Cadets who have earned superior academic records are placed on the Dean's List.

A cadet qualifying for the Dean's List for a half year is privileged to wear the Dean's List Merit Insignia. A cadet must qualify for Dean's List membership each half year to be eligible to wear the award during the following half year.

Medals and bars for outstanding military achievement are awarded at stated times.

Athletic letters are awarded to deserving contestants at the end of each sports season.

Many awards are made during Commencement Week, and cadets are apprized of them at ceremonies conducted during that final period of the year's endeavors.

Scholarship applicants may obtain blanks from the Chairman of the Scholarship Committee.

SCHOLARSHIPS

New Mexico Military Institute Scholarships, each valued at not more than \$200, are awarded on the basis of excellence in academic

work, military proficiency, discipline, and leadership in school activities. They are available to one cadet in the Second, Third, Fourth, and Fifth Classes.

The New Mexico Military Institute Foundation, Inc. scholarships were established in 1958 by the Board of Trustees. Twenty scholarships, value \$300, are awarded on the basis of financial need and demonstrated scholastic ability. Also available to cadets from Third and Second Classes only are scholarships, value \$400 to \$700, not restricted to cadets from New Mexico, and awarded on the basis of financial need and demonstrated academic proficiency.

The Alumni Scholarship, value \$400, is awarded on the basis of scholarship and general excellence in school activities. It is awarded to a cadet of any class.

The Will C. Lawrence Scholarship, value \$100, is awarded on the basis of scholarship and general excellence in school activities. It is open to a member of the Third Class who wishes to continue his education at the Institute.

The N. S Meyer-Raeburn Foundation Military Science Scholarship has a value of \$100. It is awarded to an outstanding cadet of the Third Class who is completing MT 3 & 4 and who has agreed to accept an ROTC contract as a Second Classman.

The Virgil Lusk Memorial Scholarship, value \$400, is awarded on the basis of sterling character, good sportsmanship, and the faculty of doing things well without attracting attention. It is open to a member of the Third Class who wishes to continue his education at the Institute.

The Walter H. Boyd Memorial Scholarship, value \$200, is awarded on the basis of soldierly proficiency, character suitable for an officer, and scholarly aptitude. It is open to any cadet attending the Institute for the purpose of gaining a commission in the Army of the United States or Officer's Reserve Corps.

The Truman O. Boyd Memorial Scholarship, value \$200, is awarded on the basis of soldierly proficiency, character suitable for an officer, and scholastic aptitude for research in the field of chemistry. It is open to any cadet attending the Institute for the purpose of gaining a commission in the Army of the United States or the Officer's Reserve Corps.

The Willie Morrison Memorial Scholarship, value \$200, is awarded on the basis of general excellence in school activities and scholastic aptitude in the field of mathematics, and is open to a member of the Third Class who wishes to continue his education at the Institute.

The Stanley W. Crosby, Jr., Memorial Scholarship, value \$500, is awarded to a member of the Corps of Cadets most helpful to others and excelling in leadership and good citizenship.

The Lester A. Sprinkle, Jr., and Bruce M. Barnard, Jr., Scholarship has a value of \$600. It is awarded to a cadet who desires to prepare himself for entrance into the U.S. Military Academy at West Point. Character, academic excellence, desire, and particular aptitude for a military career also are determining factors in making the award.

The Paul McCutcheon Foundation Scholarship provides \$1,000, which is available each year for several scholarships. The number and size of the scholarships will be based on the number of applicants, who will be selected upon their capabilities. These scholarships may be awarded to cadets of any class with preference to New Mexico residents.

The General G. S. Patton, Jr., Memorial Scholarship, value \$200 or more, depending on investment returns, is available to a cadet whose parent was or is in the military service. It is awarded on the basis of need, motivation, and character, with preference for those who desire to prepare themselves for entrance into a United States service academy.

The Grant Nelson Memorial Scholarship provides the sum of \$150 to a cadet on the basis of excellence in academic work, military proficiency, discipline and leadership in school activities.

The George Heron Memorial Scholarship is awarded to a Second Classman who is returning as a First Classman, who is a member of the Bronco football squad, and who is outstanding in other aspects of cadet life in the amount of \$250.

The M. Margaret Decker Scholarship is awarded annually to new or old cadets on a basis of need, exemplary character, and academic achievement with value of approximately \$300. Miss Decker served the Institute for three decades as an instructor in Spanish.

The ROTC Scholarship is a two year full tuition award made by the United States Army. To be eligible for consideration a cadet must be a citizen of the United States, be physically qualified, have successfully completed all requirements of the Basic Course ROTC, be less than twenty-three years old, and be willing to accept an ROTC Contract. Only one such award will be made annually.

The Howard I. Scherotter Memorial Scholarship is awarded to a high school graduate who is returning for Junior College. The cadet must display leadership in school activities, good character, citizenship, and general excellence.

The J. R. Kelly Memorial Scholarship has a value of \$250. It is awarded to a Second Classman who has demonstrated proficiency in academic work.

The Terry Allen Memorial Scholarship, value \$100, is awarded to new cadet Second Classmen whose fathers have made a career in one of the branches of the military service.

The Jesse Mechem Memorial Scholarship provides \$100 to any college cadet who has demonstrated academic proficiency and who needs financial assistance.

LOANS

THE G. R. BRAINARD FUND: Applicants are selected on the basis of scholastic excellence, rigid standards of personal honor and concern for others. Loans are made in the amount of \$360 per half year.

ALUMNI STUDENT LOAN FUND: Loans up to \$500 per year are available to any cadet displaying a need for financial help.

NATIONAL DEFENSE STUDENT LOAN FUND: Loans for college level cadets in substantial amounts in accordance with the National Defense Education Act of 1958.

FEATHERSTONE FOUNDATION LOANS: Funds are available to residents of the State of New Mexico upon application to the Featherstone Foundation, Suite 236, Petroleum Building, Roswell, New Mexico 88201.

Application blanks and further information may be obtained from the Scholarships Committee as follows:

Lt. Colonel William C. Roudebush, Chairman, Division Office, Willson Hall NMMI, Roswell, New Mexico 88201.

Scholarship Applications must be returned to the Committee not later than April 1.

AWARDS

The Fletcher Award, presented in memory of Capt. Jack Fletcher, NMMI Bandmaster, 1902-1933, is presented to the outstanding new cadet bandsman.

The Alumni Association Rifle Team Award is presented to the member of the Cadet Rifle Team, who, during the year, has contributed the most to the accomplishment and betterment of the team.

The General Samuel McC. Goodwin Award is presented to the Cadet First Sergeant demonstrating outstanding abilities and excellence in the performance of duty.

The J. Ross Thomas Medals, consisting of these prizes—a gold, a silver, and a bronze medal — are awarded to the three individuals in the Cadet Corps who have shown those qualities of manliness and ability which are the object of the Institute to develop. These medals are presented in the memory of Maj. J. Ross Thomas, a beloved instructor, by Major J. B. Ellis, emeritus faculty member.

The New Mexico Society, Sons of the American Revolution Award is a medal presented to the outstanding ROTC cadet in the First Class for leadership, soldierly bearing, and excellence in military curriculum.

The James K. Anderson Award is presented for conscientious, diligent, and consistent effort in all aspects of cadet life. It was established by Mrs. Mildred K. Anderson of Roswell in honor of her son, James Kerr Anderson, who was a cadet at NMMI from 1939 to 1943.

The Saunders Memorial Medals for Neatest Cadets were begun in 1928 by Colonel H. P. Saunders, Jr., '12, now deceased, who had awarded four medals to the Neatest Cadets, selected at a weekly formal inspection. Each company commander selects representatives to compete in this formal weekly competition. Members of the H. P. Saunders family now present four trophies in lieu of the four medals.

The Ruppert Award was provided by Max K. Ruppert, '18, of

Chicago, in order to increase interest in public speaking. It is an annual prize to the member of the College Division who shows the most proficiency in the composition and delivery of an original address. Beginning with 1946, a second prize was added. The winners are selected through a series of speeches made before the class in public speaking and the entire cadet regiment.

The John Flack Burton, Jr., Memorial Award for speech in the High School Division is presented by Dr. John Flack Burton, Sr., and James L. Burton, ex '54, in honor of their son and brother, John Flack Burton, Jr., '48, who was killed in action in Korea, October 21, 1952. An award of U.S. Savings Bonds for the first and second prizes is made.

The MacMurphy Award was established by Dempster MacMurphy, '15, who bequeathed a fund for its continuance. The prize is a handsome gold medal for the highest individual standard of good sportsmanship maintained in the corps of cadets.

The Bausch and Lomb Honorary Science Award is presented to the cadet in the Third Class who has maintained the highest standing in science subjects throughout the high school course.

Captain Charles F. Ward, Jr., Memorial Trophy is presented to the cadet who wins annual Military Stakes contest conducted by the Military Department for MS III cadets enrolled in the ROTC program. It was established by Colonel Charles F. Ward, Superintendent Emeritus of NMMI, and Mrs. Ward as a memorial to their son, Captain Charles F. Ward, Jr., '49, who was killed in Germany, March 21, 1959, in the performance of duty as a United States Army aviator.

Numerous other highly esteemed awards are presented to cadets annually for distinguishing themselves in many ways. Desirable as it would be for the Institute Catalog to include a complete list, it is not editorially feasible to do so, and no discrimination in favor of those awards whose donors are named in this issue is intended.



INSTITUTE HISTORY

New Mexico Military Institute had its inception in the Goss Military Academy, founded in Roswell in 1891. By an act of the Territorial Legislature, passed in 1893, the institution was renamed New Mexico Military Institute and became a Territorial school under the superintendency of Colonel J. E. Edgington.

For four years the school operated in downtown Roswell; then J. J. Hagerman donated a forty-acre plot on the Hill for a permanent site. The Legislature authorized a bond issue to provide the new area with buildings, and a tax levy was passed for its maintenance. Subsequently, by acts passed in 1893 and in 1910, New Mexico Military Institute received grants of public land totalling 125,000 acres, from which to draw revenue for permanent improvements.

Colonel J. G. Meadors served as Superintendent from 1898 until 1901; he was succeeded by Colonel James W. Willson, a graduate of Virginia Military Institute. Colonel Willson gave to the school much of its military tradition and character. He began the construction of a permanent plant with buildings distinctive in style and functional in operation. The first two sections of Hagerman Barracks, completed in 1909, were built in military Gothic yellow brick, which is still characteristic of the campus. These barracks sections, thoroughly remodeled and furnished, are still in daily use.

During the long tenure of Colonel Willson, the Institute won prestige as a "Distinguished Institution," and an ROTC unit was pioneered. The Junior College opened in 1915, increasing the maturity of the student body and adding to the distinction of the school.

Colonel J. C. Troutman, who succeeded to the superintendency upon the death of Colonel Willson in 1922, devoted his efforts to increasing enrollment and strengthening the academic offerings of the school.

Colonel D. C. Pearson, successor to Colonel Troutman, brought to the task familiarity with the school spirit and traditions, gained

through more than a decade in her service. He brought, too, a practical man's vision and determination and a rigid sense of fairness and justice. He was preeminently the builder, adding eight buildings to an increasingly attractive post.

Serving under Colonels Willson, Troutman, and Pearson, as Commandant of Cadets, Colonel Harwood P. Saunders, Jr. created a spirit within the Corps of Cadets which will never die. His understanding of young men, his impartiality, his courtliness of manner, and his supreme faith in the destiny of the Institute combined to infuse within the student body an integrity and devotion to duty to be remembered forever.

Colonel Pearson took great pride in the success of the alumni. Their war records were particularly impressive. Over seven hundred served in World War I; a score received citations and seventeen gave their lives. Nearly three thousand, over three-fifths of them commissioned officers, served in World War II, winning more than a thousand awards and citations. In the Second World War, nearly two hundred died for their country.

The Institute began as an Infantry School, but in 1920, at the request of the War Department, organized a cavalry regiment. Horses were furnished by the government, and handsome stables were built and maintained for their use. In 1946, just prior to Colonel Pearson's retirement, an armored ROTC unit was authorized to replace the horse cavalry. The Institute functions presently under a "Branch immaterial program."

Brigadier General Hugh M. Milton II in 1947 became the sixth head of the Institute. He had served previously as President of New Mexico A.&M. College and as Chief of Staff, XIV Corps, in the Pacific area. General Milton was interested in expanding academic opportunities, and his administration was marked by increased academic awareness.

Upon the return of General Milton to Army service in 1951, Colonel Ewing L. Lusk, over thirty years in Institute service, consented to take the superintendency. His thorough understanding of Institute affairs, his personal warmth, and his high-minded character smoothed the way for his successor. Colonel Lusk retired in 1952 to supervise his ranching interests.

Colonel Charles F. Ward, long in Institute service as teacher of history and high school principal, served three years as Superintendent, retiring in 1955.

Lieutenant General Hobart R. Gay, after a distinguished military career and retirement from the post of Commanding General of the Fifth Army, was Superintendent from 1955 to 1963. General Gay was responsible for the inauguration of the system of academic vertical integration by which all classes, First to Fifth, are under the supervision of a single Dean. During his administration the physical plant was expanded by the addition of the golf course; Dow Hall, the military science building; and McClure Hall, the science building; the renovation and remodeling of the athletic facilities, Lea Hall, and Willson Hall; and the beginning of the enlargement of Bates Hall, Saunders barracks and the hospital.

The present Superintendent, Major General Sam W. Agee, assumed the office in August, 1963. General Agee is the first alumnus of the Institute to hold the office, having been a cadet from 1929 to 1932. He is a graduate of West Point, Class of 1937. He has a record of extensive combat and command in World War II, and immediately prior to coming to NMMI he was Deputy Commander of all Air Force Communications. Since General Agee's arrival the academic program has been strengthened and expanded. The building program has continued with a new wing to the Library being the latest addition to the physical plant.



OFFICERS OF ADMINISTRATION

Board of Regents

His Excellency, the Honorable David F. Cargo
Governor of New Mexico

Mr. Leonard J. DeLayo
State Superintendent of Public Instruction

Appointed by the Governor:

Mr. C. R. McNally, Jr.	Mr. John L. Rust
Mr. Homer F. Glover	Mr. Frank O. Elliott
Mr. Richard F. Mather	

Officers of The Board

Mr. C. R. McNally, Jr., *President*

Mr. John L. Rust, *Vice President*

Mr. Homer F. Glover, *Secretary-Treasurer*

Administrative Staff

(Dates indicate the beginning of Institute service)

Major General Sam W. Agee, USAF (Ret), B.S., U. S. Military Academy; *Superintendent*; 1963.

Colonel Gordon A. Ward, B.S., Northern State College of South Dakota.; M.A., Ed. D., University of Wyoming, Stanford University; *Dean*; 1969.

Colonel Robert H. Schulz, USA (Ret), B.A., M.A., University of Iowa; *Commandant of Cadets*; 1969.

Colonel Norman E. Fisher, USA (Ret), B.S., University of Kansas; M.B.A., Harvard Business School; *Business Manager*; 1969.

Major John F. Clemmons, B.S., M.Ed., East Texas State University, Boston University; *Registrar and Director of Admissions*; 1964.

- Major Phillip J. Farren, B.S., Montana State University; M. Ed., University of Oregon, Colorado State College; *Assistant Professor of Mathematics, Acting Registrar*; 1961.
- Colonel George T. Pitts, Jr., USA, B.S., Massachusetts State College; *Professor of Military Science*; 1969.
- Colonel Eben R. Wyles, USA, A.A., New Mexico Military Institute; B.S., University of Pennsylvania; *Assistant to the Superintendent*; 1965.
- Colonel (Chaplain) Samuel M. Bays, USAF (Ret), B. A. Howard Payne College; *Chaplain*; 1964.
- Major Marshall Brown, B.S., M.A., University of Alabama; *Director of Athletics*; 1958.
- Colonel J. H. "Bud" Bearley, USAF (Ret), B.S., University of Oklahoma; *Secretary, New Mexico Military Institute Alumni Association*; 1968.
- Lieutenant Colonel Stuart M. Pritchard, USAF (Ret), *Public Information Officer*; 1967.
- Captain Bruce D. Terrill, B.B.A., Eastern New Mexico University, *Director, Computer Center*; 1968.
- Dr. Robert V. Anderson, M.D., Jefferson Medical College; *School Physician*; 1969.
- Dr. Don R. Clark, B.A., Kenyon College; M.D., Western Reserve University; *School Physician*; 1969.
- Dr. Emmett Jennings, B.S., University of Notre Dame; M.D., St. Louis University; *Surgical Consultant*; 1969.

ACADEMIC STAFF

Colonel Gordon A. Ward, B.S., Northern State College of South Dakota, M.A., Ed. D., University of Wyoming, Stanford University; *Dean*; 1969.

Lieutenant Colonel James W. Branch, B. A., University of Arkansas; M. A., North Texas State University; University of Minnesota; Harvard University; Yale University; *Chairman, Division of Humanities; Supervisor of Fifth Class; Professor of English*; 1944.

Lieutenant Colonel Edward M. Praisner, B. S., Stroudsburg State College; M. A., University of New Mexico; University of Miami; Claremont Graduate School; Eastern New Mexico University; Kansas State Teachers College; *Chairman Division of Social Science; Supervisor of Third Class; Professor of Political Science*; 1946.

Lieutenant Colonel William C. Roudebush, A. B., Miami University; Ph. D., University of Cincinnati; *Chairman, Division of Natural Science and Mathematics; Supervisor of Fourth Class; Professor of Mathematics*; 1939.

Major Marshall Brown, B. S., M. A., University of Alabama; *Chairman, Department of Physical Education*; 1958.

Lieutenant Colonel William F. Harris, B. S., M. S., Oklahoma State University; Western New Mexico University; Eastern New Mexico University; University of Texas; *Chairman, Department of Biological Science; Associate Professor of Biology*; 1951.

Major Richard G. Limbaugh, B. S., Southeast Missouri State College; M. A., San Francisco State College; University of Wyoming; *Chairman, Department of English; Associate Professor of English*; 1963.

- Major Robert A. MacArthur, Ph. B., University of Wisconsin; M. A. Western State College of Colorado; University of Colorado; New Mexico Institute of Mining and Technology; New Mexico Highlands University; *Chairman, Department of Physics; Associate Professor of Physics; 1957.*
- Major E. F. McGuire, B. S., West Texas State University; M. A., University of California; Eastern New Mexico University; Pennsylvania Military College; *Chairman, Department of Social Studies; Associate Professor of Economics; 1959.*
- Major Richard H. Meeker, B. A., University of New Mexico; M. S., California State College at Los Angeles; *Associate Professor and Chairman, Department of Guidance; 1959*
- Lieutenant Colonel William H. Morgan, USA (Ret), B. S., United States Military Academy; M. Engr., University of California; Columbia University; American University; University of Virginia, Maryland University, University of California at Santa Barbara; *Chairman, Department of Mathematics; Associate Professor of Mathematics; 1963.*
- Major Donald L. Neelen, B. A., Dakota Wesleyan University; M.B.A., University of Denver; *Chairman, Department of Business Administration; Associate Professor of Business Administration; 1953.*
- Major Bennie A. Padilla, B. A., M. A., New Mexico Highlands University; MATS, University of New Mexico; Chihuahua Literary Institute; Eastern Kentucky State College; Ph. D., Interamerican University of Mexico; University of Salamanca; *Chairman, Department of Foreign Languages; Associate Professor of Spanish; 1962.*
- Colonel George Seth Orell, USAR, B. S., M. A., University of Denver; Montana State University; *Chairman, Department of Chemistry; Associate Professor of Chemistry; 1931.*
- Major Roger Rush, B.A., East Central State College; N.M., North Texas State University; Western State College of Colorado; *Chairman, Department of Fine Arts; 1965.*
- Colonel Chester H. Anderson, USA (Ret), B. S., M. Ed., University of Oklahoma; Utah State University; *Assistant Professor of Mathematics; 1964.*

- Mrs. Betty Autry, B. A., University of Oklahoma; *Assistant Librarian*; 1968.
- Captain Robert G. Bell, B. A., M. A., Eastern New Mexico University; New Mexico State University; Arizona State University; *Instructor of History*; 1965.
- Mrs. Bert Ellen Camp, B. A., University of Southern California; M. A., Sul Ross State College; M. A., University of Denver; *Librarian*; 1962.
- Major Donald M. Cassidy, CE-USAR, A.B., McKendree College; M. S., Southern Illinois University; University of Kansas; University of Missouri; East Texas State University; *Assistant Professor of English*; 1964.
- Colonel Roy Wheaton Cole, USA (Ret), B. S., United States Military Academy; M. A., George Washington University; Eastern New Mexico University; *Instructor of History*; 1964.
- Captain Eddie L. Coplen, B. S., West Texas State University; Eastern New Mexico University; *Instructor of Social Science*; 1968.
- Captain Robert F. Dennis, B. A., Northwest Nazarene University; M. A., West Texas State University; *Athletic Coach*; 1959-63. 1967.
- Major Richard P. Estergard, B. S., M. A., Bradley University; Northern Illinois University; *Basketball and Tennis Coach*; 1960.
- Major Phillip J. Farren, B. A., Montana State University; M. Ed., University of Oregon; Colorado State College; *Assistant Professor of Mathematics*; *Acting Registrar*; 1961.
- Captain John J. Foster, USAFR, B. A., University of North Dakota; M. Ed., West Texas State University; Texas Tech. College; Eastern New Mexico University; *Assistant Professor of Mathematics*; 1958.
- Captain Joseph D. Graham, B. S., M. Ed., Texas Tech. College; *Instructor of Biology*; 1967.
- Captain Herman Graef, B.A., Peabody College for Teachers; M.A.T., Vanderbilt University; M. A. Vanderbilt University; *Instructor of German and English*; 1968.

- Captain James V. Hall, Jr., B. S., Eastern New Mexico University; Indiana University; Purdue University; *Instructor of English*; 1966.
- Captain John L. Higdon, B. S., Sul Ross State College, Eastern New Mexico University; New Mexico State University; *Athletic Coach*; 1967.
- Colonel Charles Boes Hines, USA (Ret), B. S., United States Military Academy; M. A., Columbia University; Eastern New Mexico University; New Mexico Highlands University; *Assistant Professor of Physics*; 1964.
- Captain B. R. Holmes, B. S., South East Oklahoma State; M. S., University of Oklahoma; *Instructor of Chemistry*; 1967.
- Captain Jim H. Hughes, B. S., Bethany Nazarene College, M. A. T., Central State; New Mexico State University; *Instructor of Social Science*; 1968.
- Captain J. J. Jenkins, B. S., Texas Tech. College; M. S., University of Arizona; *Instructor of Chemistry*; 1965.
- Captain Gary L. Larson, B. A., M. A., Colorado State College, Colorado University; *Instructor of Social Science*; 1968.
- Major Allen J. Lovelace, B. S., M. S., North Texas State University; University of Wyoming; University of Colorado; *Assistant Professor of Biology*; 1958.
- Captain Raymond O. Lysek, B.A., St. Benedict's College; M. A., University of Alabama; *Assistant Professor of English, Latin, and Philosophy*; 1964.
- Captain Austin Quinn Maley, B. A., Saint Edward's University, M. A., University of Notre Dame, Eastern Michigan University; Western Reserve University; *Instructor of Social Science*; 1968.
- Captain Glenn Wiley Markham, B. S., New Mexico State University; New Mexico Highlands University; *Basketball and Baseball Coach*; 1954.
- Captain Adrian J. Martinez, B. A., MATS, University of New Mexico; University of Valladolid; University of Salamanca; *Assistant Professor of Spanish*; 1963.

- Captain Glen D. McDonald, B. S., Abilene Christian College; M. Ed., Texas Tech. College; University of Alabama; University of Arizona; *Instructor of Chemistry*; 1967.
- Captain Richard T. McKelvie, B. S., Indiana State, Loyola College, George Washington University; *Instructor of Business Administration*; 1968.
- Captain Michael M. Mills, B. S., Texas Tech College, M. A. T., Western Michigan University, Trinity University; *Instructor of Mathematics*; 1969.
- Captain John H. Nicely, B. S., University of Delaware, M. Ed., Colorado State University; University of Arizona; *Athletic Coach*; 1968.
- Captain Charles F. Randall, B. S., New Mexico State University; *Athletic Trainer and Baseball Coach*; 1963.
- Captain Travis W. Reames, B. A., M. A., New Mexico Highlands University; *Instructor of English*; 1967.
- Mrs. Gwen Robbins, B. S., Emporia State College; M.A., Wichita State University; University of Nebraska; *Instructor of English*; 1969.
- Captain William F. Rodden, B. S., M. A., Eastern New Mexico University; *Instructor of Mathematics*; 1969.
- Major Albert E. Scott, B. A., Morningside College; M. A., University of New Mexico; University of Chicago; Eastern New Mexico University; *Assistant Professor of English and Reading*; 1953.
- Captain Alex P. Sena, B. A., Eastern New Mexico University; University of Salamanca; Colorado State University; *Instructor of French and Art*; 1966.
- Miss Phyllis A. Stubbs, B. A., Southwestern Oklahoma State College; Eastern New Mexico University; *Instructor of English*; 1968.
- Captain Candido Tafoya, B. A., M. A., New Mexico Highlands University; *Instructor of Spanish*; 1967.
- Captain Bruce D. Terrill, B. B. A., Eastern New Mexico University *Instructor of Business Administration; Director of Data Processing*; 1968.

Captain James Thompson, B. A., M. A., University of New Mexico; California State at Fullerton; *Assistant Professor of English and Art*; 1964.

Captain John R. Ussery, B. A., Eastern New Mexico University; University of New Mexico; *Athletic Coach*; 1967.

Captain Daniel B. Voorhees, B. A., M. A., Ed. S., University of New Mexico; University of Southern California; University of Hawaii; University of Illinois; *Guidance Counselor and Instructor of Psychology*; 1967.

Captain Paul D. White, B.S., Oklahoma Baptist University; Oklahoma State University, University of Oklahoma; New Mexico Highlands University; *Instructor of Biology, Track Coach*; 1968.

ADMINISTRATIVE STAFF ASSISTANTS

Major Cameron Bradley, B. A. New Mexico Military Institute; *Tactical Officer*; 1941-1954; 1963.

Captain Ross B. Clark; *Director of Physical Plant*; 1968.

Captain L. J. Frazier, B. S., New Mexico Military Institute; *Tactical Officer*; 1964.

Captain William Arthur Frederick; *Tactical Officer*; 1968.

Mrs. Geneva B. Gardner, *Secretary to the Superintendent*; 1964.

Captain Ulysses George, *Manager Laundry and Dry Cleaning*; 1960

Captain Louis W. Hyatt, *Purchasing Agent*; 1969.

Captain Melford Lehrman, *Tactical Officer*; 1966.

Major Myrtle H. Little, R. N., Trinity Hospital School, (Minot, North Dakota); *Head Nurse*; 1951.

Captain Joe A. Mainello, B. S., New Mexico Military Institute; *Tactical Officer*; 1968.

Lieutenant Colonel Tom O. Matchin, AUS (Ret), A. A. New Mexico Military Institute; *Tactical Officer*; 1965.

Major Oliver J. Medaris, *Manager of Cadet Store*; 1969.

Mrs. Alice Miller, *Admissions Secretary and Assistant to the Registrar*; 1969.

Mr. William L. Oliver, *Golf Professional*; 1956.

Captain Alton Sample, *Manager of Post Exchange*; 1954-1960; 1966.

Captain Robert S. Terry, B. S., New Mexico Military Institute; *Tactical Officer*; 1968.

Captain Charles W. Tremper, *Chief Accountant*; 1968.

Lieutenant Colonel George H. Welles, USA (Ret), B. S., U. S. Military Academy; *Assistant Commandant*; 1965.

EMERITUS FACULTY AND STAFF

Miss Modene D. Bates, 1921-1924, 1926-1951, *Registrar*.

Major Russell G. Bird, 1926-1928, 1929-1951, *Assistant to the Adjutant*.

Major Harry D. Blake, 1927-1963, *Assistant Professor of Mathematics*.

Lieutenant Colonel Alfred N. Carter, 1929-1963, *Professor of English, Chairman, Division of English and Languages*.

Mrs. Helen S. Clark, 1953-1969, *Admissions Secretary and Assistant to the Registrar*.

Mrs. Helen E. Cookson, 1939-1964, *Secretary to the Superintendent*.

Major Jennings B. Ellis, 1929-1961, *Associate Professor of Physics; Chairman, Department of Physical Sciences*.

Lieutenant Colonel George L. Irwin, 1912-1946, *Adjutant*.

Lieutenant Colonel L. T. Godfrey, 1929-1956, *Assistant Coach, Coach, Director of Athletics*.

Lieutenant Colonel Patrick H. Gratton, 1927-1966, *Professor of English; Chairman, Division of Humanities*.

Major Albert Hudson, 1924-1954, *Superintendent of Grounds, Commissary Officer*.

Colonel John C. Kost, Jr. 1928-1960, *Instructor of Latin, Principal, Assistant Dean*.

Colonel Ewing L. Lusk, 1910-1913, 1916-1917, 1918-1919, 1921-1952, *Mathematics Instructor, Principal, Superintendent*.

Dr. I. J. Marshall, 1935-1969, *Institute Surgeon*.

- Lieutenant Colonel Fred A. Miller, 1945-1969, *Chairman, Department of Mathematics, Associate Professor of Mathematics.*
- Lieutenant Colonel Vester Montgomery, 1929-1933, 1934-1964, *Professor of History, Chairman of Division of Social Sciences, Acting Dean.*
- Lieutenant Colonel Paul Mount-Campbell, 1942-1966, *Associate Professor of Physics; Chairman, Department of Physics.*
- Lieutenant Colonel William C. Payne, 1946-1966, *Assistant Professor of Mathematics.*
- Lieutenant Colonel Joseph A. Posz, 1929-1967, *Manager of Cadet Services.*
- Mrs. Ruby Posz, 1931-1942, 1946-1967, *Manager of Post Exchange.*
- Colonel Carl J. Rohr, 1941-1969, *Business Manager and Adjutant.*
- Lieutenant Colonel G. Merton Sayre, 1928-1963, *Associate Professor of French; Chairman, Department of Languages.*
- Lieutenant Colonel James H. Sikes, 1942-1965, *Associate Professor of Biology, Chairman, Department of Biological Sciences.*
- Lieutenant Colonel John E. Smith, 1939-1959, *Instructor of Physics.*
- Major Dwight H. H. Starr, 1928-1962, *Assistant Professor of English.*
- Miss Vera H. Unruh, 1928-1949, *Resident Nurse.*
- Colonel Charles F. Ward, 1926-1956, *Instructor of History, Principal, Superintendent.*
- Major Charles S. Whitney, 1929-1961, *Instructor of Mathematics, Associate Professor, Chairman, Department of Mathematics.*
- Mrs. Lydia P. Wilcoxon, 1937-1954, *Resident Nurse.*

GLOSSARY

- BLUE BOOK . . .** Principal regulations and rules of conduct for cadets.
- CLASS SUPERVISOR . . .** A senior member of the faculty assigned to supervise the academic progress of an entire class, such as the Fifth Class.
- CORPS (Corps of Cadets) . . .** The entire student body of the Institute.
- COURSE . . .** A particular subject being studied — as a course in English.
- ELECTIVE . . .** A subject or course which may be chosen for study as distinguished from required courses which a cadet must take to earn a diploma or degree.
- FACULTY ADVISOR . . .** An instructor assigned by the Institute to help each cadet with his problems, academic and personal.
- GRADE POINT AVERAGE (GPA) . . .** A measure of scholastic success determined by multiplying the grade value (A-4, B-3, C-2, D-1, F-O) by the number of semester hours in each course attempted to get grade point. The grade points are summed and divided by the total hours attempted.
- MATRICULATION . . .** The act of signing the roll book of the Institute for the first time. This act changes a boy into a cadet and is the moment when the Institute assumes control.
- PMS . . .** Professor of Military Science.
- PREREQUISITE . . .** The preliminary requirement which must be met before a certain course can be taken, thus English I is a prerequisite to all other courses in English and must be successfully completed before other English courses are taken.

- REENROLLMENT . . .** The act of signing the roll book for the second time (or third, fourth, etc.). The former cadet returns to the Corps.
- REGISTRATION . . .** The act of enrolling in courses at the beginning of the year (or half year). This involves choosing courses with the help of the faculty advisor.
- SCHEDULE . . .** A list of the courses being taken which shows the period, room, and section in which the course meets. A program of studies for the cadet and a locator card for the Institute.
- SEMESTER HOUR . . .** At the college level the study of a course which meets one hour a week for one half year. Three semester hours would be three hours a week.
- SEQUENCE COURSE . . .** One which runs for an entire year and which requires successful completion of the year to earn credit for each half. Most high school subjects are sequence courses.
- TACTICAL OFFICER . . .** An officer assigned to the Commandant's Office.
- UNIT (Unit of Credit) . . .** One entire academic year of study of a high school subject with at least a passing grade.



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