

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 proven 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 into 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 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

	1966-1967	1967-1968
Matriculation New Cadets.....	Sept. 2, '66	Sept. 1, '67
Reenrollment Returning Cadets....	Sept. 5, '66	Sept. 4, '67
Registration Returning Cadets.....	Sept. 6, '66	Sept. 5, '67
Registration New Cadets.....	Sept. 7, '66	Sept. 6, '67
Classes Start.....	Sept. 8, '66	Sept. 7, '67
Last Day to Change Schedule	Sept. 28, '66	Sept. 27, '67
Last Day to Drop Course.....	Oct. 7, '66	Oct. 6, '67
Thanksgiving.....	Nov. 24, '66	Nov. 23, '67
Christmas Furlough Begins.....	Dec. 21, '66	Dec. 21, '67
Christmas Furlough Ends.....	Jan. 3, '67	Jan. 3, '68
First Half Year Ends.....	Jan. 21, '67	Jan. 20, '68
Second Half Year Begins.....	Jan. 23, '67	Jan. 22, '68
Last Day to Change Schedule	Feb. 13, '67	Feb. 12, '68
Last Day to Drop Course.....	Feb. 24, '67	Feb. 23, '68
Easter.....	Mar. 26, '67	Apr. 14, '68
Commencement.....	May 26-28, '67	May 25-27, '68

ACCREDITATION AND AFFILIATION

The New Mexico Military Institute is a member of the American Association of Junior Colleges, and all of its 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:

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

Academic policy and curriculum: The Dean.

Business matters, including personal accounts: Business Manager and Adjutant.

Athletics: Director of Athletics.

Public relations and news releases: The Public Relations Officer.

Health of Cadets: Office of the Superintendent

General policy: The Superintendent.

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

Problems of individual cadets: The Faculty Advisor assigned.

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 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 course 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 incident 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 twenty-four hours a day 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 credits 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 a 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 47,000 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 are possible throughout the year; it is rarely necessary to omit military exercises because of the weather.

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 recitation 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 exceeds fourteen 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. Additions to Saunders Barracks will be built in the near future, bringing the total capacity of the Institute to 1400 cadets.

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.

The Institute 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 the Institute Surgeon, 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, Alumni Secretary, and Public Relations Officer are on the second floor while the main floor houses the Business, Admissions and Registrar offices. The Dean's office is in Lea Hall. The tower of Lusk Hall houses the 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 phonetics laboratory, furnished with up-to-date electronic equipment for forty-two 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 offices 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 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 45,000 volumes, are housed on the lower level and are open to all cadets; only rare or treasure 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, forty by eighty feet, 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 one of the largest gymnasiums in the State: the principal room is one hundred feet wide and has space enough for three basketball courts. The 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.

ADMISSION REQUIREMENTS AND COSTS

Academic Atmosphere

The Institute is a college preparatory school and 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.

General Requirements for Admission

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. Exceptions may be made in rare cases. He 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 solid academic subjects completed at the time of fall matriculation, following the stipulations given under "Class Designation and Promotion."

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 ACT.

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 1 must be one of the units.

Admission to the Institute is competitive; selection is 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 is free to dismiss him at any time on any grounds which it deems 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 parents'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 the middle of August. 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 and paratyphoid fever, diphtheria, tetanus, poliomyelitis, and small pox. 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.

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.

FEES AND EXPENSES

The total cost for one year is approximately \$1,536 for a New Mexico resident and \$1,936 for a nonresident; however, costs are subject to revision as required.

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, room, board, laundry, and infirmary (Deposit with application will be applied upon the above)	\$ 895.00	\$1,295.00
Fixed Fees	91.00	91.00
Deposit for personal expense	550.00	550.00
	<u>\$1,536.00</u>	<u>\$1,936.00</u>

An application for admission must be accompanied by a deposit of \$100, 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 in which 60% of the tuition is due September 1 and the balance January 1.

Academic instruction, board, lodging, personal laundry, and infirmary for residents of New Mexico is \$895.00 a year. For students from out-of-state, the sum is \$1,295.00. Each enrollment is based upon a full year's attendance of nine months.

Fixed fees are as follows: Athletic \$15.00, Library \$10.00, Linen service \$34.00, Lyceum and entertainment \$13.00, and group accident insurance \$19.00. 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 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 each semester	45.00

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

Transcripts Of Credit

A First Classman is entitled to three transcripts of his work without charge; a Third Classman, two; and other classmen, one. The charge for each transcript above the allowance is \$1.00.

Financial Assistance

The Institute participates in the National Defense Student Loan program. Loans are granted to needy applicants at the college level, on a competitive basis. Eligible candidates may qualify for aid under the War Orphans Educational Assistance Act of 1956 for the period of their college level program. Residents who are sons of deceased New Mexico veterans are eligible for additional benefits upon application. Also see the sections on "Employment" and "Scholarships and Awards."

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 followership 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 is granted to the entire Corps of Cadets. For the dates of this furlough, 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.

Automobiles Not Permitted

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.

Personal Firearms and Other Weapons

Firearms should not be brought to the Institute, with the exception of such personal weapons (.22 caliber rifle and/or pistol) as are authorized for team purposes, which will be registered in the Commandant's Office and turned over to the Military Property Custodian by a member of the Commandant's staff for storage. The weapons will be used under the guidance of the school team coaches. Nothing else classified as a weapon is to be brought to the Institute under any circumstances.

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, semimonthly 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 dis-

tinguished 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, French Club, German Club, and International Relations Club.

Cadets have their own regimental band of approximately seventy musicians. 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 semiannual magazine, includes original poetry and many types of prose; and the Recall, the newspaper.

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.

Athletics

Physical education classes and intramural sports are under the supervision of the Director of Athletics. All cadets who are not on interscholastic teams participate in intramural events, which include touch football, basketball, tennis, track and field events, softball, swimming, wrestling, tumbling, volley ball, bowling, golf, badminton, cross country, table tennis, and water polo.

The Institute engages in intercollegiate and interschool sports in football, basketball, baseball, track, tennis, golf, swimming, and rifle and pistol competition. Letters are presented annually to qualified competitors.

Colt teams (for Third, Fourth, and Fifth Classmen) and "B" teams (for the younger, lighter cadets) have their own coaches, and the Colts compete in a Class A category of New Mexico competition.

Important Institute contests are staged either on the campus or in the Roswell Municipal Stadium, which is a short distance from the Institute campus.

Athletic letters may be earned through competition at Bronco and Colt levels.

Every cadet is required to take physical education two hours weekly, on schedule. Academic credit is granted.

The Alumni Association

The New Mexico Military Institute alumni are organized into more than sixty local chapters throughout the United States from coast to coast, and in Hawaii. These chapters hold occasional meetings and banquets with representatives from the Institute as guests. Group meetings of alumni are also held in Mexico and Germany.

The Alumni office keeps in contact with approximately 8,000 members through personal correspondence, newsletters, annual visits to the various chapters, and the regular issue of the official publication of the Association, the Sally Port.

Class reunions are held during the homecoming and commencement periods, at which times special honors and awards are given these returning ex-cadets and graduates.

Participation by the alumni in Institute affairs is reflected by the large number of new cadets recommended each year by the alumni, the many sons and grandsons of alumni among the Corps of Cadets, and numerous awards and scholarships offered by the alumni.

ACADEMIC ORGANIZATION

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 nonvoting 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: athletics, lyceum events, commencement activities, student social affairs, and student publications.

The Faculty Senate determines course requirements, grade distinctions, requirements for promotion, and requirements for graduation. It approves candidates 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 and Second 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 Eng-

lish, foreign languages, and fine arts; and Social Science, including the two departments of social studies and business administration. The department of physical education is directly under 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 curricula help 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 educational preparation will be modified in some instances by the inclusion of preprofessional courses, particularly in the field of business administration.

When the faculty advisor and the department concerned so advise, and the Dean approves, an elementary college-level foundation course in such fields as mathematics or foreign language may be taken for full credit in lieu of more advanced work.

Requirements for the Associate in Arts (A.A.) Degree

1. Residence: Minimum requirements for residence as a 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, nor six in music. 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), or 3 semester hours of American history plus 3 semester hours of American government. A minimum of 8 semester hours of credit must be earned in Military Schools Training during the First and Second Class years.

4. Grade-Point Average: A minimum grade-point average of 2.00 is required for all junior college work.

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

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 and plane geometry, two units required; Algebra 2, trigonometry, solid geometry, 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 History 4 (United States history). The remaining unit must be selected from History 1, 2; United States government; world history; or economics.

Military Schools Training: One unit required. Cadets study MST each year, but a maximum of one unit of credit may be earned in it.

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

Additional requirements: Two additional units must be earned from the courses previously listed or from the following taught at the eleventh or twelfth grade level: Public Speaking, Geography, Bookkeeping, Sociology, Psychology, Problems of Democracy. Finally, two units of elective credit are permitted. Music and Typing are offered as elective credit. A maximum of one unit of each may apply toward the elective credit. However, the elective allowance is often used up as entrance credits. Remedial subjects, art, and driver education do not count toward the High School Diploma.

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 Admissions 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 1 must be one of the units submitted.

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

To qualify as a Third Classman (12th grade), he must have a total of twelve 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.

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.

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 Third, Fourth, or Fifth Classman who earns a grade-point average of less than 1.00 for

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, Military Schools Training (MST) and Physical Education (PE) included, with no grade falling below C. His program must include a minimum of four academic subjects plus MST and PE on the preparatory level or fifteen semester hours of work on the college level. 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.

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 its 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. High school courses, with the exception of MST and PE, are considered of equal value in computing grade point averages. College courses are weighted according to the number of credit hours they carry.

THE DIVISION OF HUMANITIES

Lieutenant Colonel Patrick H. Gratton, Division Chairman

The Department of English

Lieutenant Colonel James W. Branch, Department Chairman

Captain Donald M. Cassidy, Captain John Clemons, Captain Jack Jackson, Captain Richard G. Limbaugh, Captain Thomas A. Moore, Captain Jeff L. Roberts, Major Albert E. Scott, 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, to give him some knowledge and appreciation of his literary heritage. Honors sections are offered in some courses.

Courses:

English 2a. Credit: one-half unit.

Fundamentals of English grammar; spelling; extensive theme writing; three classics; five reports on books from approved lists. Prerequisite: English 1a and 1b before entrance to NMML.

English 2b. Credit: one-half unit.

Introduction to world literature, ancient and modern times; three additional classics; extensive theme writing; five reports on books from approved lists. Prerequisite: same as for English 2a.

English 3a. Credit: one-half unit.

Fundamentals of English grammar; vocabulary building; three American classics; extensive theme writing; five reports on books from approved lists.

English 3b. Credit: one-half unit.

Study of American literature; three additional American classics; extensive theme writing; five reports on books from approved lists.

English 4a. Credit: one-half unit.

Study of English literature from beginning to modern times; three English classics; extensive theme writing; one oral report.

English 4b. Credit: one-half unit.

Continued study of grammar, etc; letter writing; four additional classics; extensive theme writing, including a research paper; five book reports from readings on approved lists.

Developmental and Corrective Reading. No credit.

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

Public Speaking. Credit: one-half unit.

Basic principles of speech; pronunciation, enunciation, and voice placement; speeches for particular occasions and panel discussions included. Tape recorders used as aids. Prerequisite: Third or Fourth class standing.

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.

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. 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 term paper based on library research 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.

The Department of Languages

Major Anthony Rivares, Department Chairman

Captain Barry Konneker, Captain Nicholas Lapadat, Captain Raymond O. Lysek, Captain Adrian J. Martinez, Captain Bennie A. Padilla, Captain Hector Zamorano.

Purpose:

The Department encourages 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 in H.S., register for 211.
- b) Native speakers, subject to placement test.
- c) No credit will be given for language courses taken in elementary school.
- d) No previous courses in the language, register for 1a (high school) or 111 (college).

Language Laboratory:

Each student in high school and 111-112 series college modern languages will have two 55 minute 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, listening and speaking. Oral drills. Essentials of grammar. Fundamentals of reading and writing. Phonetics.

French 2. Credit: one unit.

A sequence course. Review of the elements of grammar and composition, dictation, conversation, extensive readings.

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

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

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

A sequence course. Tape recorders, language records, and other media used; stress on pronunciation. Recommended for those entering foreign service; required for French majors. May be taken with French 211-212 with consent of instructor. Two hours per week.

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

A sequence course. Extensive reading, translation, conversation. Collateral reading of 500 pages per semester; written reports. Prerequisite: French 112 or satisfactory grade on placement test following two years of high school French.

French 251 — Survey of French Literature. Cr. 3.

Survey of chief authors and movements in French literature, conducted largely in French. Prerequisite: French 212.

French 252 — French Literature, continued. Cr. 3.

Further survey of chief authors and movements in French literature, conducted largely in French. Prerequisite: French 212.

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

A sequence course. Stress on basic skills, listening 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. Songs are learned and sung.

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

A sequence course. Comprehension and oral proficiency stressed, as well as reading ability.

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

A sequence course. Tape recording equipment, language records, and other media employed; practical speaking. Normally concurrent with German 111-112. Two hours per week.

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

A sequence course. Further grammatical and language study; stress on effective reading. Prerequisite: German 111-112 or satisfactory grade on placement test following two years of high school German.

German 222 — Scientific German. Cr. 3.

Reading and translation of scientific and technical literature. Prerequisite: German 211. Offered instead of German 212 when demand warrants.

German 251 — Survey of German Literature. Cr. 3.

Literature from early beginnings to 1780; pseudoclassicism, Enlightenment, Sturm and Drang. Recommended for those entering foreign service. Prerequisite: German 212 or 222.

German 252 — German Literature, continued. Cr. 3.

Literature from Classicism to the present. Reports. Recommended for those entering foreign service. Prerequisite: German 212 or 222.

Spanish Courses:

Spanish 1. Credit: one unit.

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

Spanish 2. Credit: one unit.

A sequence course. Grammatical study applied to various readings; tenses, idioms, and construction; stress on comprehension and practical idiomatic discourse.

Spanish 3. Credit: one unit.

A sequence course. Grammatical review; reading, with grammatical background stressed; short stories by Spanish authors used as basis for cultural study as well as conversation. One Spanish novel and one formal paper required.

Spanish 4. Credit: one unit.

A sequence course. Reading and conversational course, with grammar as needed. As far as practicable, all work done in Spanish. Oral and written reports, reading from Spanish-American literature. Recommended for native speakers with two years of Spanish.

Spanish 111-112 — Elementary Spanish. Cr. 3-3.

A sequence course. Essentials of grammar, reading, pronunciation, and writing stressed.

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

A sequence course. Tape recorders, records, and other media aid the student in aural-oral drill. Required of Spanish majors. Normally concurrent with Spanish 111-112.

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

A sequence course. Extensive readings; translation; conversation; written reports. Prerequisite: Spanish 112 or satisfactory grade on placement test.

Spanish 231 — Spanish-American Literature. Cr. 3.

A course for well-prepared students, conducted in Spanish. History, outstanding authors, important literary movements.

Spanish 251 — Survey of Spanish Literature. Cr. 3.

Chief authors and movements in Spanish literature, conducted in Spanish. Recommended for foreign service students. Prerequisite: Spanish 212.

Spanish 252 — Spanish Literature, continued. Cr. 3.

Further study of the chief authors and movements in Spanish literature, conducted in Spanish. Recommended for foreign service students. Prerequisite: Spanish 212.

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; translations of stories from Roman history, the adventures of Ulysses, the labors of Hercules, the quest of the Golden Fleece, parts of Ceaser's Commentaries, prose composition.

Latin 3 and Latin 4 are offered when there is sufficient demand.

The Department of Fine Arts

Captain Roger B. Rush, Department Chairman

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

Courses:

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

A sequence course. Band.

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

A sequence course. Band.

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

A sequence course. Band.

Music 4. Credit: one-third unit. Elective only.

A sequence course. Choir.

Music 5. Credit: one-half unit. Elective only.

A sequence course. Glee Club.

Music 101 — Band. Cr. 1.

Music 102 — Band. Cr. 1.

Music 201 — Band. Cr. 1.

Music 202 — Band. Cr. 1.

Music 103-104 — Choir. Cr. 1.

A sequence course.

Music 203-204 — Choir. Cr. 1.

A sequence course.

Music 105 — Glee Club. Cr. 1.

Music 106 — Glee Club. Cr. 1.

Music 205 — Glee Club. Cr. 1.

Music 206 — Glee Club. Cr. 1.

Music 111 — Music Appreciation. Cr. 1.

Musical expression and styles of music, instruction in intelligent listening, acquaintance with selected masterpieces.

Music 112 — Music Appreciation. Cr. 1.

Continuation of Music 111. Prerequisite: Music 111.

The Institute dance orchestra is open to musicians acceptable to the instructor. No credit.

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Lieutenant Colonel William C. Roudebush, Division Chairman

The Department of Biology

Major William F. Harris, Department Chairman

Captain James A. Caley, Captain Allen J. Lovelace, Captain
William A. Seeker.

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. Credit: one unit.

A sequence course. The course considers the difference between living and nonliving things, classification of plants and animals. The compound microscope is used. Representative plants and simple animals are studied, dissection of higher forms begun. Simple experiments concerning life functions (digestion, metabolism, etc.) are begun. Laboratory fee: \$5.00 per semester.

Biology 101-102 — General Biology. Cr. 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 preprofessional 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+4L).

Structure and function of the vegetative and reproductive organs of the higher plants. Laboratory fee: \$7.50.

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

Survey of the plant kingdom: heredity, environmental relations, and developmental phylogeny. Laboratory fee: \$7.50.

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

Comparative study of the invertebrate phyla. Prerequisite: one year of biology in college or high school. Laboratory fee: \$7.50.

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

Structural patterns, functions, adaptations, and ecological relationships of the vertebrates. Emphasis upon detailed dissection in the laboratory. Prerequisite: one year of biology in college or high school. Laboratory fee \$10.00.

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

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+2L).

A course including the influence of climate, soil, and biotic factors in their relation to origin, development, and structure of plant and animal communities. Prerequisite: at least two semesters of biological science and permission of the Department Head. Laboratory fee: \$7.50.

Biology 221, and Biology 232 will be offered only when there is sufficient demand.

The Department of Chemistry

Colonel G. Seth Orell, Department Chairman

Captain Thomas W. Barnett, Captain J. J. Jenkins, Captain William T. Minor, Captain Marvin L. Watts.

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. 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. Introduction 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.

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 electronic 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 Fred A. Miller, Department Chairman

Colonel Chester H. Anderson, Captain Phillip J. Farren, Captain John J. Foster, Captain Brent Hamner, Colonel Charles B. Hines, Captain Stephen J. Leadabrand, Lieutenant Colonel William H. Morgan, Colonel Ellsworth N. Murray.

Purpose:

Courses in mathematics range from the development of basic skills to calculus. Whether he is engaged in preengineering or is 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:

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 equivalent 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.

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 2.

Solid Geometry. Credit: one-half unit.

Line and plane relations in space. Detailed attention to the prism, pyramid, cylinder, and cone with reference to their volume and practical properties. Spherical geometry occupies the latter part of the course. Prerequisite: Algebra 2.

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 blueprints. 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.

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).

Elementary space visualization of points, lines, planes, and solids in orthographic projection; dimensioning, auxiliary views, pictorials, sections, and graphic symbols. Prerequisite: plane geometry. Laboratory fee: \$5.00.

Mathematics 142 — Engineering Drawing II. Cr. 2 (1+3L).

A continuation of Mathematics 141, with emphasis on advanced size specification, detail and assembly drawing, and exploded views. Prerequisite: Mathematics 141. Laboratory fee: \$5.00.

Mathematics 143 — Advanced Engineering Drawing. Cr. 2 (1+3L).

Graphical analysis and solutions of problems involving point, line, and plane relationships; successive auxiliary views, revolutions, piercing points, shade and shadows. Emphasis is on both theory and drafting technique. Prerequisite: one or more years of mechanical drawing and approval of instructor. Laboratory fee: \$5.00.

Mathematics 144 — Graphical Analysis or Descriptive Geometry. Cr. 2 (1+3L).

Intersections and development; conic sections; single curved, double curved, and warped surfaces, with graphical emphasis on the application and solution of spatial geometry. Prerequisite: Mathematics 142 or 143. Laboratory fee: \$5.00.

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

Lieutenant Colonel Paul Mount-Compbell, Department Chairman

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

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.

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 objectives 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.

Other courses in physics help the student become acquainted with the several fields of technology and enable 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. 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.

Physics 106 — Engineering Orientation. Cr. 1.

A survey of the principal fields of engineering. The course is of value to junior college students who are contemplating engineering as a career.

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, con-

ductors, 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 exposure, 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 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 — Determinative 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

Lieutenant Colonel Edward M. Praisner, Division Chairman

The Department of Social Studies

Captain Eugene F. McGuire, Department Chairman

Captain Robert C. Bell, Captain Albert B. Campbell, Colonel Roy W. Cole, Captain Eugene Jackman, Captain Richard Morgan.

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. Honors section will be offered in American History.

History Courses:

History 1a — Ancient and Medieval History. Credit: one-half unit.

The development of civilization from the earliest cultures to the beginnings of the Roman Empire. Main emphasis on the Near East, Greece, and the Roman Republic.

History 1b. Credit: one-half unit.

From the beginning of the Roman Empire to the discovery of America. Social, economic, and political institutions of medieval times; formation of modern nations. Emphasis upon social and economic conditions.

History 2a — Modern History. Credit: one-half unit.

Resume of earlier history; important events in Europe from 1600 to 1870. Supplementary reading, special reports, and map exercises required.

History 2b. Credit: one-half unit.

England after 1832 and continental Europe since 1870; treatment of Asia, Africa, and Latin America. World War I and after. Supplementary reading, special reports, and map exercises.

History 4a — American History. Credit: one-half unit.

Discovery, exploration, and colonization briefly treated. The Constitution and establishment of the Government. Sectionalism, westward expansion, the Civil War, Reconstruction. Supplementary reading and map exercises.

History 4b. Credit: one-half unit.

Industrial growth, with allied social and economic problems; social, labor, and other legislation. Foreign affairs; the United States as a world power; current affairs. Supplementary reading and map exercises.

History 101 — Development of Civilization. Cr. 3.

Evolution of civilization from antiquity through the Renaissance. Emphasis on European civilization and its sources; political, social, and economic development.

History 102 — Development of Civilization. Cr. 3.

Continuation of History 101, 17th century to the present; emphasis on study of evolving European culture, political and economic development. Problems of the past related to the present.

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.

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 audiovisual aids for better understanding basic premises and for interpretation of current affairs.

Government 211 — 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. 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.

Economics 211 — Principles and Problems. Cr. 3.

Fundamental economic concepts; descriptive 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, 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 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. Prerequisite: Third or Fourth Class Standing.

Geography 109 — Principles of Geography. Cr. 3.

Physical phases of geography and the application of principles to selected regions of the world. A basic course in geography.

Geography 111 — Economic Geography. Cr. 3.

The foundation and products of industry and commercial movements; geographical influences on human activities. Recommended for business administration students.

Philosophy Courses:**Philosophy 111 — Introduction to Philosophy. Cr. 3.**

A general introduction to philosophy emphasizing critical and reflective thinking as applied to the basic problems of existence and the meaning of human life and institutions. Selections from important writers in the history of philosophy will be studied.

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.

The Department of Business Administration

Major Howard G. Murphy, Department Chairman

Major Donald L. Neelen

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:

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, elective only.

Location and manipulation of the keyboard; principal parts of the typewriter and their use. Emphasis on accuracy, rhythm, development of even touch. Fee: \$5.00.

Typewriting b. Credit: one-half unit, elective only.

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

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 211 — Elementary Accounting. Cr. 4.

Basic accounting, record keeping, and control related to individual proprietorship. Debits and credits, recording of 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.

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 223 — Business Writing. Cr. 3.

To teach the business student to write effective business letters. This training involves three matters: skill in the use of English; a knowledge of business principles, practices, and policies; and an understanding of human nature. Consequently, as various kinds of business letters are studied, analyzed, and written, these three factors are emphasized. Letters and examinations are evaluated on their English as well as their content. Prerequisite: First Class standing.

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

Major Wilson Knapp, Department Chairman

Captain Marshall Brown, Captain Richard P. Estergard, Captain Wayne Gares, Captain Eldon Hawley, Captain Arnold Joyce, Captain Glenn Markham, Captain Frank Randall, Captain Gary Sloan.

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.

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. Cr. 1.

Continuation of P. E. 201.

Participation in a varsity sport, military ROTC, or music activities does not excuse any cadet from physical education courses.

THE DEPARTMENT OF MILITARY SCIENCE

Colonel Eben R. Wyles, Armor, Professor of Military Science
 Major Gerson J. Subotky, Armor, Assistant PMS
 Captain William S. Graf, Armor, Assistant PMS
 Captain Leonard C. Katsarky, Infantry, Assistant PMS
 Captain Tom L. Lindholm, Armor, Assistant PMS
 Sergeant Major Vernon Bass, Chief Instructor
 Master Sergeant Raymond C. Eichenauer, Administrative NCO
 Master Sergeant Harold E. O'Neil, Instructor
 Sergeant First Class John L. Fortner, Instructor
 Sergeant First Class Jack W. Redell, Instructor
 Sergeant First Class Dunbar W. Smith, Supply Sergeant
 Staff Sergeant Ellis R. Brewington, Instructor
 Staff Sergeant James E. Hennessee, Instructor

In 1909 New Mexico Military Institute was officially designated an Honor Military School. Without break, each year since 1909 the Institute has won this coveted rating as a result of the annual inspections conducted by the Department of the Army.

Objective

The objective of the ROTC Program is threefold:

- a. To contribute to the accomplishment of the Institute objectives, with particular reference to the development of self-discipline, responsibility, and leadership.
- b. To train and prepare cadets so as to enable them to serve their military obligation with honor and distinction.
- c. To qualify cadets for commissioning as second lieutenants in the United States Army.

Scope

The Reserve Officer Training Corps (ROTC) program at NMMI is that prescribed by the Department of the Army for military junior colleges. For the cadet who spends either four or five years at NMMI (enters as a high school sophomore—Fifth Class, or junior—Fourth Class), it is a terminal program, providing the entire Military Science program required to qualify for a commission as a second lieutenant in the United States Army. For the cadet

spending less than four years at NMMI, the military science courses he takes are fully transferable to the ROTC programs conducted by senior colleges and other military junior colleges.

Thus, even though the NMMI cadet who enters as a Fourth or Third Classman may take one or two years of military science at the high school level, he receives upon transfer to a senior college full Department of the Army credit for Freshman or Freshman and Sophomore Military Science, and does not have to repeat them. He probably will not receive university credit for them.

Requirements for Formal Enrollment in the ROTC Program

As a general policy all cadets at NMMI participate in the ROTC Program, but all are not formally enrolled. Cadets entering at mid-year will not be enrolled in military science classes until the beginning of the following year. They will, however, participate in all drills and military exercises.

The ROTC Program consists of two parts, Basic and Advanced. For formal enrollment in the Basic Course, a cadet need only be a citizen of the United States and be physically qualified to take part in marches and field exercises. Formal enrollment in the Advanced Course is more selective. For formal enrollment in the Advanced Course, a cadet must be enrolled in college and must demonstrate the academic ability to gain his baccalaureate degree, must have a C average in military science, must have demonstrated the leadership potential to be an effective officer, and must be willing to sign a contract which imposes the requirement for completing the program and for serving his military obligation in the Army of the United States as a second lieutenant following his graduation from senior college.

Pay and Allowances

The Department of the Army pays cadets who are formally enrolled in the ROTC Program certain pay and allowances, as follows:

Uniform Allowances:

Cadets enrolled in MST 1 (Fifth Class new cadets)	\$ 7.00
Cadets enrolled in MST 2 (Fourth Class, second year cadets)	7.00
Cadets enrolled in MST 1&2 (new cadets of Fourth, Third, and Second Classes)	14.00
Cadets enrolled in MST 3&4 (second year Basic Course)	50.00
Cadets enrolled in MST 5 (first year Advanced Course)	50.00
Cadets enrolled in MST 6 (second year Advanced Course)	50.00

NOTE: These allowances are paid to the Institute, not to the individual; however, the Institute credits the cadet's account with the entire amount it receives for the cadet.

Retainer Pay:

Each cadet formally enrolled in the Advanced Course (MST 5 and MST 6) receives retainer pay of \$40.00 a month during the two years he is actively participating in the Advance Course program for a maximum of 20 months, or a total of \$800.00. This allowance is paid directly to the cadet on a monthly basis. The retainer pay is subject to Federal income tax, but the uniform allowance is not.

Requirements for ROTC Commissioning as a Second Lieutenant, United States Army Reserve

NMMI cadets who qualify for formal enrollment and successfully complete the entire military science program at the Institute (including the ROTC Summer Camp requirement) need only to transfer to any senior college of their choice and gain baccalaureate degree to qualify for commission.

To gain a commission, an NMMI cadet who completes fewer than four years of the ROTC program at the Institute will have to transfer to a senior college offering Army ROTC and complete the program there. This includes gaining his baccalaureate degree.

Commission in the Regular Army

NMMI cadets designated Distinguished Military Students who retain that rating until they receive their baccalaureate degree may apply for commissioning into the Regular Army instead of the United States Army Reserve. Approximately 1,000 ROTC Distinguished Military Students each year are offered commissions in the Regular Army. To be designated a Distinguished Military Student a cadet must:

Rank in the top half of his class in general academics.

Rank in the top one-third of his class in military science.

Demonstrate outstanding qualities of leadership, character, and general military aptitude.

Transfer to Navy and Air Force ROTC Programs

The Navy does not accept any Army ROTC credits for transfer into the Naval science programs.

The Air Force may accept successful completion of the Basic Course of the Army ROTC program in lieu of Basic Course Air Science. A transfer into the Advanced Course of the Air Science Program is feasible. Advanced Course Army ROTC is not accepted in lieu of Advanced Course Air Science.

Nomination to the Army, Navy and Air Force Service Academies

Since NMMI is an Honor Military School, the Superintendent may nominate three cadets to compete for an Honor Military School appointment to each of the three service academies. To qualify for this selection, a cadet must be a graduate of either our high school or of our junior college by the time he enters the service academy. Thus, First and Third Classmen and Second Classmen who have graduated from the high school are eligible to compete for such nominations. NMMI nominees compete for these appointments with the nominees from the other Honor Military and Naval Schools.

Cadets interested in attending any of the service academies, in-

cluding the Coast Guard and Merchant Marine Academies, are urged to inform their faculty advisor, the Director of Guidance, and the Professor of Military Science of their intent.

Selective Service Deferment

It is the individual responsibility of each male citizen to register with his local draft board for Selective Service when he reaches age eighteen. Each cadet who becomes eighteen while at the Institute registers with the local board in Roswell which then sends his registration to his appropriate local board for action. The local board of each cadet registered with Selective Service must have each year a Selective Service Form 109 signed by the Registrar so that the cadet may receive the deferment to which he may be entitled. It is, accordingly, the responsibility of each cadet to inform the Registrar of his Selective Service and Draft Board numbers each year. This should be done as soon as possible after enrollment (reenrollment) or on receipt of the information during the year.

A First or Second Classman (college cadet) who is formally enrolled in the Advanced Course of the ROTC program may receive an ROTC deferment (Classification 1D) from Selective Service after he successfully completes one semester of the Advanced Course so long as his Military Science and academic grades are satisfactory. If a cadet is disenrolled from the Advanced Course ROTC, the Military Department is obligated to notify his Draft Board of his change of status. A First or Second Classman not formally enrolled in the Advanced Course ROTC may receive a standard student deferment (Classification 1SC or 2SC) so long as his academic grades are satisfactory and he is a student in good standing.

Cadets in the lower classes who are under twenty years of age may be deferred so long as they remain students in good standing. Third, Fourth, and Fifth Classmen (high school students) who are twenty years of age or older are not eligible for any deferment from Selective Service.

(This section is informative, not official, and is subject to change by Selective Service as the international situation changes.)

ROTC CURRICULUM

All Military Schools Training courses are of one academic year duration and credit is shown for the entire year.

Basic Course — Military Schools Training (MST)

Appropriate credit will be given in accordance with Army regulations for prior, accredited ROTC training and for active service including active duty for training with the Army, Navy, Air Force, or Coast Guard. For National Defense Cadet Corps (NDCC) training to be accredited, it must have been performed under the supervision of a PMS who is a Reserve or a Retired Army officer.

MST 1. Credit: one-half unit.

Military customs and courtesies, care of individual equipment, hygiene and first aid, weapons, marksmanship, organization of the Army, new developments, nuclear warfare (orientation), counter-insurgency (orientation). Required of all entering Fifth Classmen with no transferable credits for prior training.

MST 2. Credit: one-half unit.

Achievements and traditions of the Army, weapons, marksmanship, field sanitation, elementary communications, new developments, nuclear warfare (orientation), counter-insurgency (orientation). Required of all new cadets of the Third and Fourth Classes who have transferable credit for MST 1, and for all Fourth Class, second-year cadets who have passed MST 1.

MST 1 & 2. Credit: one unit at high school level; 4 at college level.

Same as for MST 1 and MST 2 combined, an accredited compressed course which is the equivalent of MST 1 (Freshman Military Science) at the senior college level. Required of all new cadets entering the Fourth, Third, or second Classes with no transferable credits for prior training.

MST 3&4. Cr. 4 whether taken at high school or college level.

Leadership, military teaching principles, preparation and conduct of instruction, map and aerial photo reading, marksmanship, weapons, small unit tactics. Required of all students who have successfully completed MST 2 or MST 1 & 2, including those new cadets with transferable credits for these courses. This course may be taken by only Third, Second, and First Class Cadets.

Advance Course — Military Schools Training (MST)

Advanced course training is limited to cadets enrolled as college students. Successful completion of the entire Basic Course program is a prerequisite. Formal enrollment is on an ROTC Contract basis, as previously discussed. Only those cadets formally enrolled on a

contract basis are eligible for the ROTC uniform allowance and retainer pay provided to cadets taking the Advanced Course (MST 5 & MST 6).

MST 5. Cr. 6.

Leadership, weapons and gunnery, logistics, communications, U.S. Army and national security, branches of the Army, small unit tactics, counter-insurgency. Required of all cadets who have successfully completed MST 3 & 4 or its equivalent.

MST 6. Cr. 6.

Operations, military justice, Army administration, role of the U.S. in world affairs, small unit tactics, new developments, counter-insurgency, service orientation. Required of all cadets who have successfully completed MST 5.

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 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.

New Mexico Military Institute Foundation, Inc., scholarships strictly for academic excellence were established in 1958 by the Board of Trustees. Details may be obtained from the Scholarship Committee of the Faculty Senate.

The Alumni Scholarship, value \$200, is awarded on the basis of scholarship and general excellence in school activities. It is awarded to a cadet who is the son of an alumnus.

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 MST 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 James B. Duncan Memorial Scholarship, value \$500, is awarded to a member of the First or Second Class, preferably one from New Mexico, on the basis of need, scholarship, leadership, and athletic ability.

The Jesse H. Jones Scholarship provides the sum of \$1,000 which is available to cadets in the Second or First Class who show financial need and demonstrate scholastic ability.

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.

Awards

The Hugh L. McInnis Award is a beautiful graduation ring with garnet setting, presented by V. E. McInnis, father, and Neil P. McInnis, '42, brother, as a memorial to Hugh L. McInnis, '44, who was killed in action in the European Theatre on April 16, 1945. The award is made to an outstanding graduate (First Class).

The Hugh Fink Award is a brief case, presented by Fred Evans, Jr., Class of 1935, to the Cadet Colonel as a memorial to Captain Hugh Harris Fink, '35, 26th Cavalry, Colonel of the Corps of Cadets, 1935, who gave his life in the service of his country.

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 Joe Govan Medal is awarded on the basis of ability and all-round leadership. It was established by the Class of 1951 as a memorial to First Lieutenant Joseph Gerald Govan, '51, who was fatally wounded on Sniper Ridge in Korea, October 23, 1952.

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. The first medal is of gold; the second of silver; and the third and fourth of bronze. Since 1948 the medals have been presented by the Commandant of Cadets in memory of Col. H. P. Saunders, Jr.

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 American Ordnance Association Medal is awarded to one cadet selected from each of the following classes: First, Second, and Third on the basis of academic proficiency, leadership ability, interest in scientific development, and proficiency in military science.

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 MST 5 cadets enrolled in the ROTC program. It was established by Colonel Charles F. Ward, Superintendent Emeritus of NMIMI, 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 Institute, 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 R.O.T.C. 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 R.O.T.C. 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.

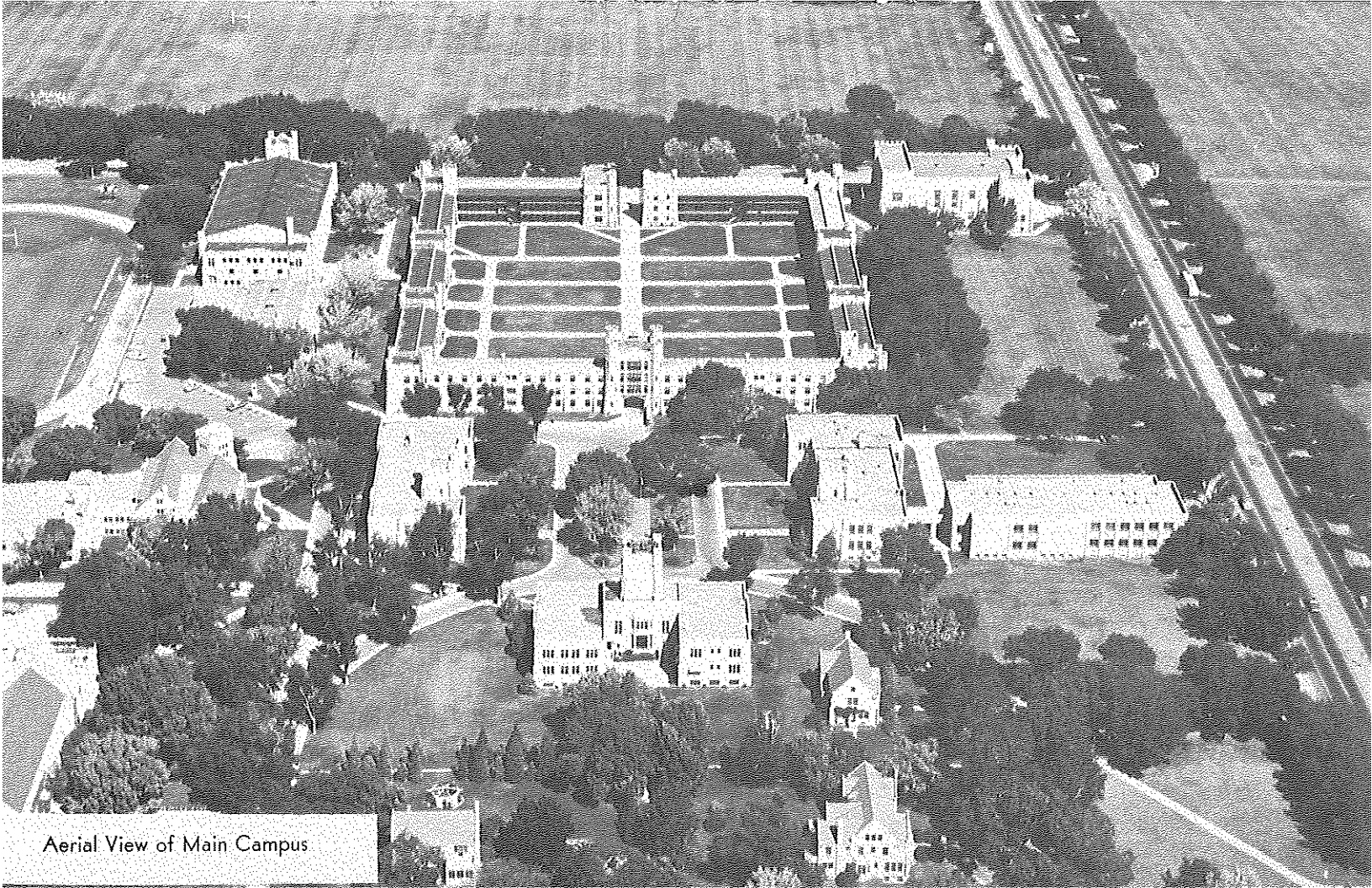
Upon the return of General Milton to Army service in 1951, Colonel Ewing L. Lusk, over thirty years in Institute service, consented to take the superintendency. His thorough understanding of Institute affairs, his personal warmth, and his high-minded character smoothed the way for his successor. Colonel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

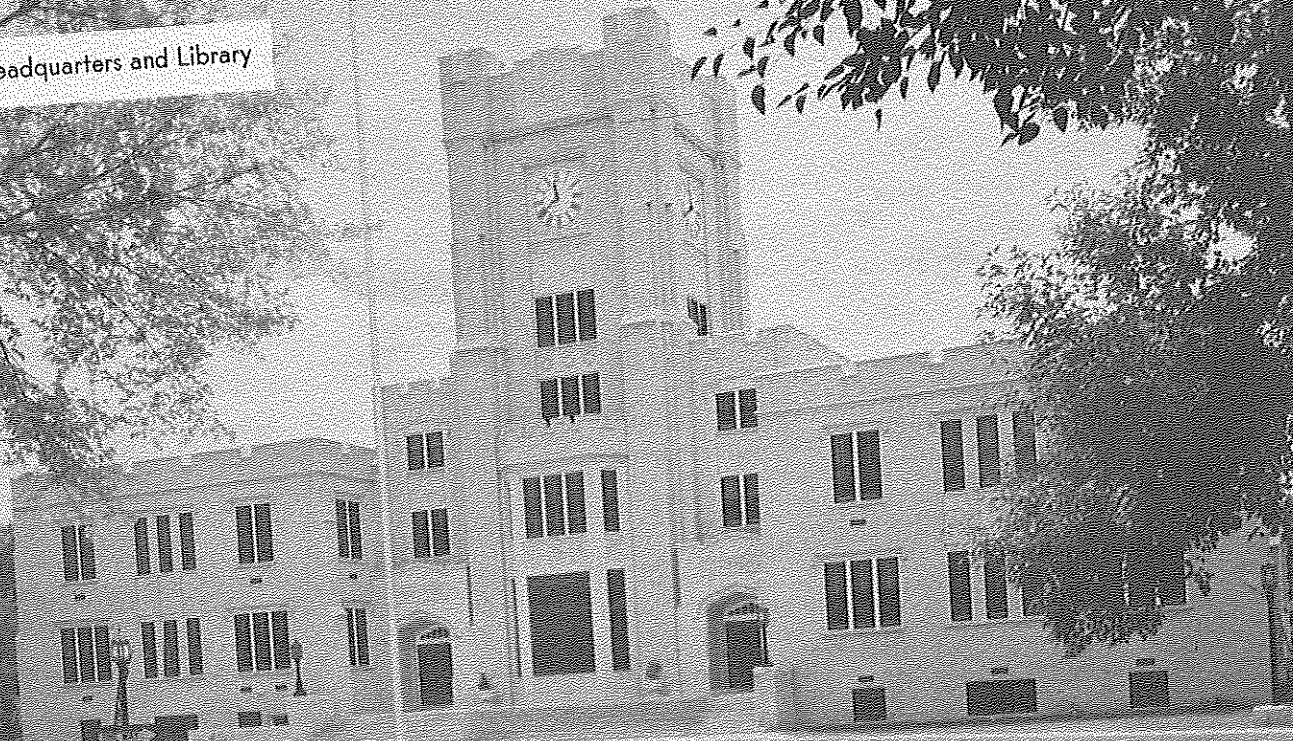
Fifth Army, was Superintendent from 1955 to 1963. General Gay was responsible for the inauguration of the system of academic vertical integration by which all classes, First to Fifth, are under the supervision of a single Dean. During his administration the physical plant was expanded by the addition 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. Much of this expansion was in implementation of the plan to increase enrollment beginning with September 1964.

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.



Aerial View of Main Campus

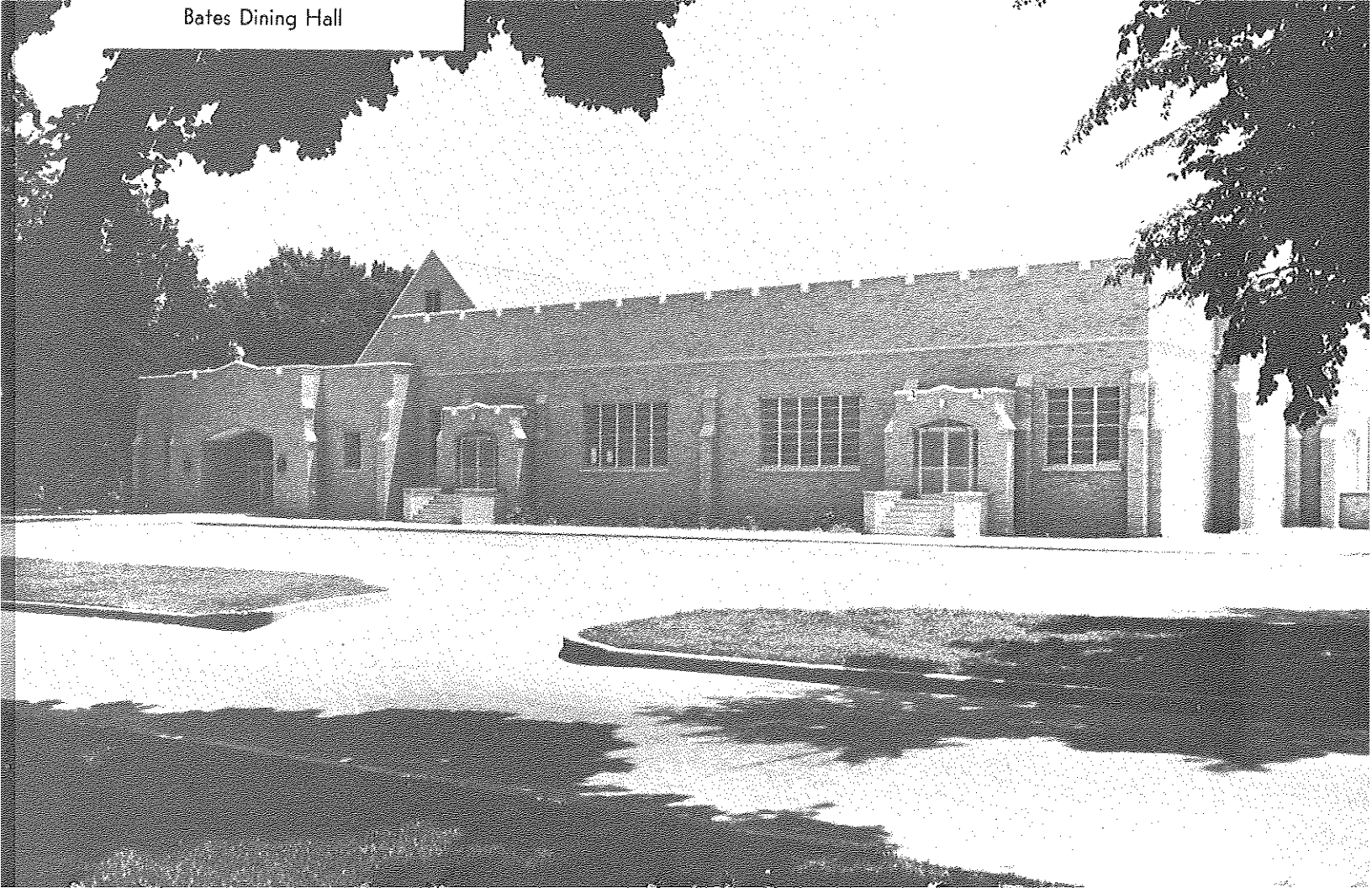
Lusk Hall — Headquarters and Library





Pearson Auditorium —
leaving after chapel

Bates Dining Hall



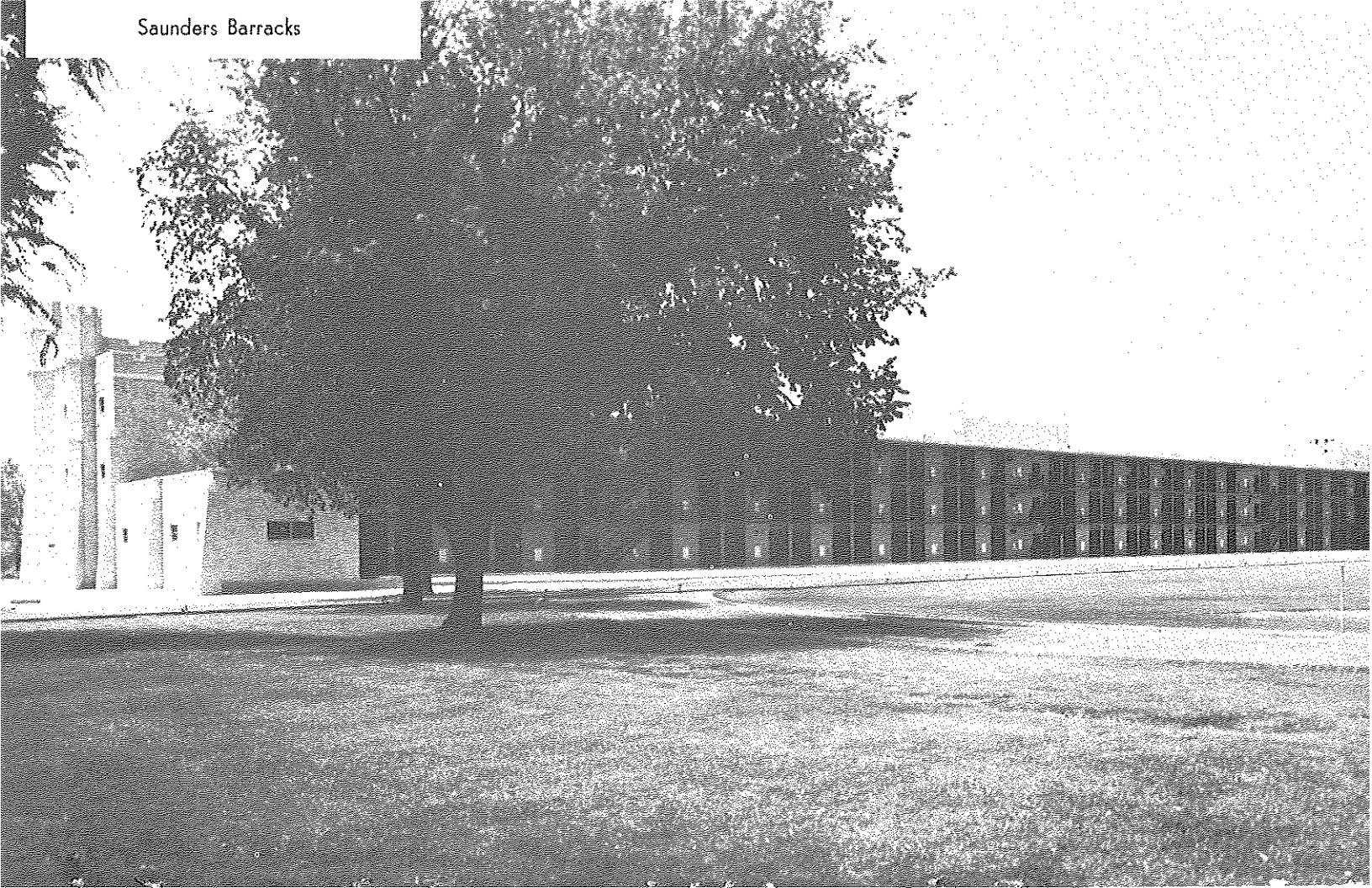
A visiting mixed chorus assists at chapel



The Honor Company at the Sally port
of Hagerman Barracks



Saunders Barracks





The Golf Shop

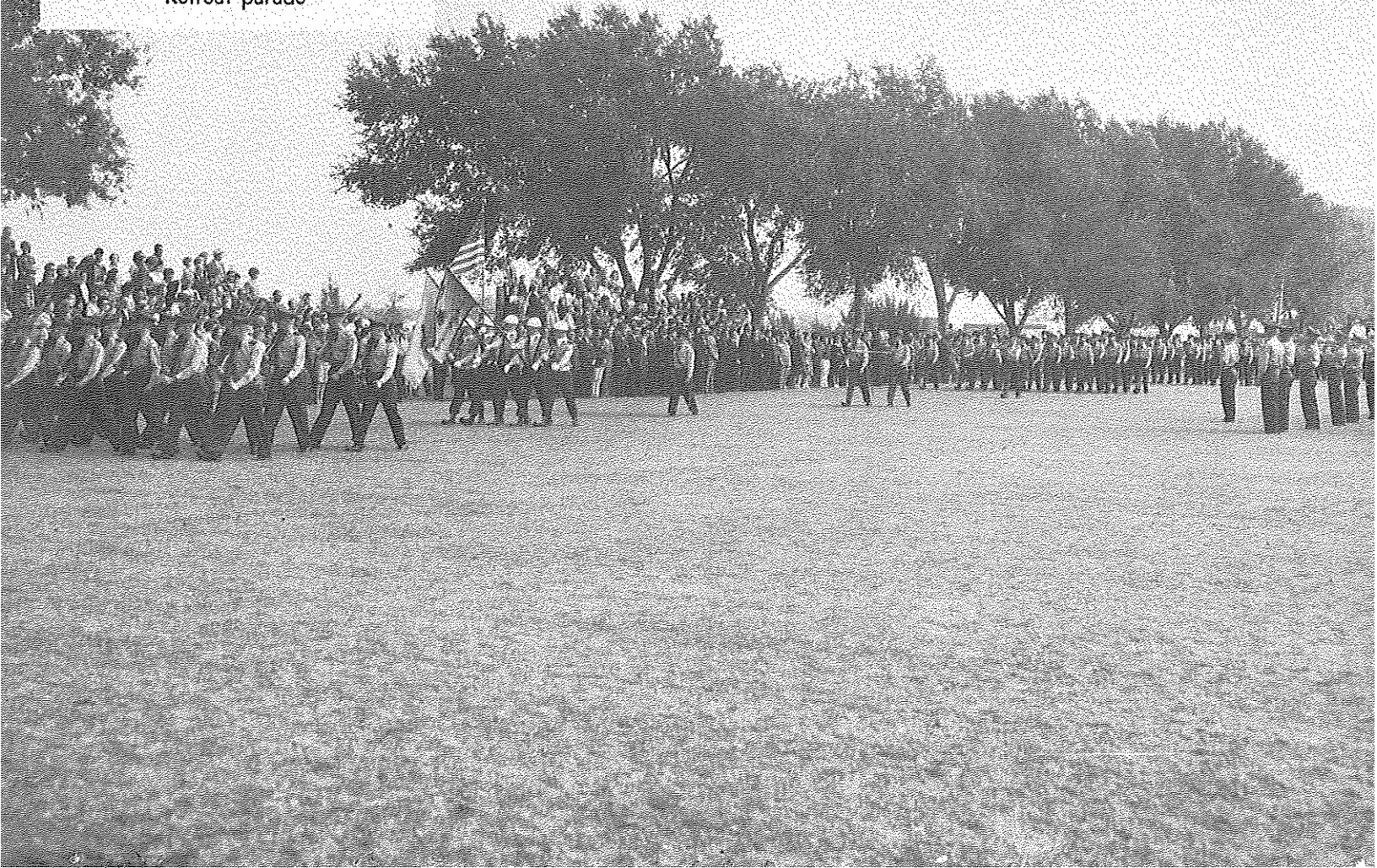
Formation in Hagerman Barracks



The Color Guard



Retreat parade



OFFICERS OF ADMINISTRATION

Board of Regents

His Excellency, the Honorable Jack M. Campbell
Governor of New Mexico

Mr. Leonard J. De Layo
State Superintendent of Public Instruction

Appointed by the Governor:

Mr. C. R. McNally, Jr.	Mr. John L. Rust
Mr. Homer Glover	Mr. John C. Rolland
Mr. Stanley Carper	

Officers of the Board

Mr. C. R. McNally, Jr., President
Mr. John C. Rolland, Vice President
Mr. Homer 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 C. Ned Vaughn, USA (Ret), A.A., New Mexico Military Institute; A.B. in S.S.C., Cumberland; Commandant of Cadets; 1940-1942, 1945-46, 1965.

Lieutenant Colonel Kenneth O. Cook, USMCR, B.A., Ouachita College; M.A., George Peabody; Ed.D., North Texas State; Dean; 1963.

Colonel Carl J. Rohr, B.S., Denver; Business Manager and Adjutant; 1941.

Colonel Frank L. Street, USA (Ret), B.S.Ch.E., Purdue; Registrar and Director of Admissions; 1962.

Colonel Eben R. Wyles, USA, A.A., New Mexico Military Institute; B.S., in E., Pennsylvania; Professor of Military Science; 1965.

Colonel (Chaplain) Samuel M. Bays, USAF (Ret), B.A., Howard Payne; Chaplain; 1964.

Dr. I. J. Marshall, A.B., Hardin-Simmons; M.D., Baylor; Surgeon; 1935.

Major Wilson Knapp, B.S., New Mexico; M.A., Eastern New Mexico; Director of Athletics; 1963.

Colonel Elmer C. Blaha, USAF (Ret), B.S., U.S. Military Academy; Public Relations Officer; 1965.

Academic Staff

Lieutenant Colonel Kenneth O. Cook, USMCR, B. A., Ouachita College; M.A., George Peabody; Ed. D., North Texas State; Dean; 1963.

Lieutenant Colonel Patrick H. Gratton, A.B., Western State; M.A., Colorado; Chairman, Division of Humanities; Supervisor of Fifth Class; Professor of English; 1927.

Lieutenant Colonel William C. Roudebush, A.B., Miami, (Ohio); Ph.D., Cincinnati; Chairman, Division of Natural Sciences and Mathematics; Supervisor of Fourth Class; Professor of Mathematics; 1939.

Lieutenant Colonel Edward M. Praisner, B.S., Stroudsburg State; M.A., New Mexico; Chairman, Division of Social Sciences; Supervisor of Third Class; Professor of History; 1946.

Lieutenant Colonel James W. Branch, B.A., Arkansas; M.A., North Texas State; Chairman, Department of English; Associate Professor of English; 1944.

Major William F. Harris, B.S., M.S., Oklahoma State; Chairman, Department of Biological Sciences; Associate Professor of Biology; 1951.

Major Wilson Knapp, B.S., New Mexico; M.A., Eastern New Mexico; Chairman, Department of Physical Education; 1963.

Captain Eugene F. McGuire, B.S., West Texas State; M.A., California; Chairman, Department of Social Studies; Assistant Professor of History; 1958.

Lieutenant Colonel Fred A. Miller, B.A., Carroll College; M.A., Wisconsin; Chairman, Department of Mathematics; Associate Professor of Mathematics; 1945.

- Lieutenant Colonel Paul Mount-Campbell, A.B., Colorado College; M.A., Denver; Chairman, Department of Physics; Associate Professor of Physics; 1942.
- Major Howard G. Murphy, B.S., M.S., Syracuse; Chairman, Department of Business Administration; Associate Professor of Business Administration; 1951.
- Colonel G. Seth Orell, B.S., M.A., Denver; Chairman, Department of Chemistry; Associate Professor of Chemistry; 1931.
- Major Anthony Rivas, M.A., Cordoba; M.A., Columbia; Ph.D., Madrid; Chairman, Department of Languages; Associate Professor of Spanish; 1960.
- Captain Roger B. Rush, B.A., East Central Oklahoma State; M.M.E., North Texas State; Chairman, Department of Fine Arts; 1965.
- Colonel Eben R. Wyles, USA, A.A., New Mexico Military Institute; B.S. in E., Pennsylvania; Professor of Military Science; 1965.
- Colonel Chester H. Anderson, USA (Ret), B.S., M.Ed., Oklahoma; Instructor of Mathematics; 1964.
- Captain Thomas M. Barnett, B.S., M.S., Eastern New Mexico; Instructor of Chemistry; 1961. (Sabbatical leave 1965-1967).
- Chief Master Sergeant Vernon Bass, USA; Instructor, Military Department; 1963.
- Captain Robert C. Bell, B.A., M.A., Eastern New Mexico; Instructor of History; 1965.
- Staff Sergeant Ellis R. Brewington, USA; Instructor; Military Department; 1964.
- Captain Marshall Brown, B.S., M.A., Alabama; Football Coach; 1958.
- Captain James A. Caley, B.A., Texas Tech; M.A., Southern Methodist; Instructor of Biology; 1964.
- Mrs. Bert Ellen Camp, B.A., Southern California; M.A., Sul Ross State; M.A., Denver; Assistant Librarian; 1962.
- Captain Albert B. Campbell; B.S., Fort Hays Kansas State; M.A., Western State; Instructor of Political Science; 1964.

Captain Donald M. Cassidy, USAR, A.B., McKendree College; M.S., Southern Illinois; Instructor of English; 1964.

Captain Roger L. Christian, B.A., Northwestern State; M.S. in L.S., Louisiana State; Head Librarian; 1964.

Captain John Clemons, B.S., M.Ed., East Texas State; Guidance Counselor, Instructor of Psychology; 1964.

Colonel Roy W. Cole, USA (Ret), B.S., U.S. Military Academy; M.A., George Washington University; Instructor of History; 1964.

SFC. Raymond C. Eichenauer, USA; Administrative Supervisor, Military Department; 1964.

Captain Richard P. Estergard, B.S., Bradley; Basketball Coach; 1960.

Captain Phillip J. Farren, B.S., Montana State; M. Ed., Oregon; Instructor of Mathematics; 1961.

SFC. John L. Fortner, USA; Instructor, Military Department; 1963.

Captain John J. Foster, USAFR, B.S., North Dakota; M.Ed., West Texas State; Assistant Professor of Engineering Drawing; 1958.

Captain Wayne Gares, B.S., M.S., New Mexico; Football Coach; 1963.

Captain William S. Graf, USA, B.S., U.S. Military Academy; Assistant Professor of Military Science; 1963.

Captain Brent Hamner, B.S., Alabama; M.S., Mississippi; Instructor of Geology and Mathematics; 1964.

Captain Eldon Hawley, B.S., Arkansas State Teachers; M.A., Texas Tech; Football Coach; 1965.

SSgt. James E. Hennessee, USA; Instructor, Military Department; 1963.

Colonel Charles B. Hines, USA (Ret), B.S., U.S. Military Academy; M.A., Columbia; Instructor of Physics; 1964.

Captain Eugene T. Jackman, B.A., Arkansas State; M.A., Mississippi; Instructor of History; 1963.

Captain Jack Jackson, A.B., North Carolina; M.A., Nevada; Instructor of English; 1963.

Captain J. J. Jenkins, B.S., Texas Tech; M.S., Arizona; Instructor of Chemistry; 1965.

- Captain Arnold W. Joyce, B.S., M.S., Springfield College; Swimming Coach; 1961.
- Captain Leonard C. Katsarsky, USA, B.S., U.S. Military Academy; Assistant Professor of Military Science; 1965.
- Captain S. Barry Konneker, B.A., Southern Illinois; Instructor of German; 1964.
- Captain Nicholas Lapadat, B.A., M.A., Arizona; Instructor of French; 1963.
- Captain Stephen J. Leadabrand, B.A., Colorado State College; M.S., New Mexico Highlands; Instructor of Mathematics; 1965.
- Captain Richard G. Limbaugh, B.S., S.E. Missouri State; M.A., San Francisco State; Instructor of English; 1963.
- Captain Tom L. Lindholm, USA, B.S., U.S. Military Academy; Assistant Professor of Military Science; 1965.
- Captain Allen J. Lovelace, B.S., M.S., North Texas State; Assistant Professor of Biology; 1958.
- Captain Raymond O. Lysek, B.A., St. Benedict's College; M.A., Alabama; Instructor of Latin and English; 1964.
- Major Robert A. MacArthur, Ph.B., Wisconsin; M.A., Western State; Assistant Professor of Physics; 1957.
- Captain Glen W. Markham, B.S., New Mexico State; Basketball Coach; 1964.
- Captain Adrian J. Martinez, Jr., B.A., MATS, New Mexico; Instructor of Latin and Spanish; 1963.
- Major Richard H. Meeker, B.A., New Mexico; Head - Department of Guidance and Counseling; 1959. (Sabbatical leave 1966-1967)
- Captain William T. Minor, B.A., M.A., Arizona State; Instructor of Chemistry; 1965.
- Captain Thomas H. Moore, B.A., M.A., E. Central Oklahoma State; Instructor of English; 1965.
- Captain Richard L. Morgan, B.A., North Dakota; M.A., Illinois; Instructor of History; 1960.

- Lieutenant Colonel William H. Morgan, USA (Ret), B.S., U.S. Military Academy; M.E., California; Instructor of Mathematics; 1963.
- Colonel Ellsworth N. Murray, USMC (Ret), B.S., U.S. Naval Academy; M.A., California; Assistant Professor of Mathematics; 1952.
- Major Donald L. Neelen, B.A., South Dakota Wesleyan; M.B.A., Denver; Assistant Professor of Business Administration; 1953.
- Master Sergeant Harold E. O'Neil, USA; Instructor, Military Department; 1965.
- Captain Bennie A. Padilla, B.A., M.A., New Mexico Highlands; MATS, New Mexico; Instructor of Spanish; 1962.
- SFC. Jack W. Redell, USA; Instructor, Military Department; 1962.
- Captain Jeff L. Roberts, B.A., S.W. Missouri State; M.A., Missouri; Instructor of English; 1963.
- Major Albert E. Scott, B.A., Morningside College; M.A., New Mexico; Assistant Professor of English and Reading; 1953.
- Captain William A. Seeker, USAR, B.S., Texas A&M; M.Ed., Sam Houston; Instructor of Biology; 1964.
- Captain Gary Sloan, B.A. New Mexico; M.S., Springfield; Football Coach; 1965.
- Captain Gerson J. Subotky, USA, B.S., Indiana; Assistant Professor of Military Science; 1964.
- SFC Dunbar S. Smith, USA; Supply, Military Department; 1964.
- Captain James F. Thompson, B.A., M.A., New Mexico; Instructor of English; 1964.
- Captain Marvin L. Watts, B.S., M.S., Eastern New Mexico; Instructor of Chemistry; 1962.
- Captain Hector Zamorano, B.A., M.A., Texas Christian; Assistant Professor of Spanish; 1959. (Sabbatical leave 1965-1966).

Administrative Staff Assistants

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

- Mrs. Helen S. Clark, Admissions Secretary and Assistant to the Registrar; 1953.
- Captain James E. Fraunfelter, Commisary Officer; 1964.
- Mrs. Geneva B. Gardner, Secretary to the Superintendent; 1964.
- Captain Ulysses George, Manager Laundry and Dry Cleaning; 1960.
- Major Cecil V. Hill, Supervisor of Buildings and Grounds; 1946.
- Lieutenant Colonel Frederick E. Hunt, New Mexico Military Institute; Secretary, NMMI Alumni Association; 1934.
- Captain Lawrence Jennings, Chief Accountant; 1964.
- Mrs. Myrtle H. Little, R.N., Trinity Hospital School, (Minot, N. Dakota); Head Nurse; 1951.
- Captain James R. Lowe, Tactical Officer; 1963.
- Lieutenant Colonel Tom O. Matchin, AUS (Ret), A.A. New Mexico Military Institute; Tactical Officer; 1965.
- Major J. Thomas Murrell, Purchasing Agent; 1957.
- Mr. William L. Oliver, Golf Professional; 1956.
- Lieutenant Colonel Joseph A. Posz, B.S., New Mexico Military Institute; Manager of Cadet Services; 1929.
- Captain Frank Randall, B.S., New Mexico State; Athletic Trainer; 1964.
- 1st Lieutenant Jimmy G. Snyder, B.S., Sul Ross State; Tactical Officer; 1965.
- 1st Lieutenant William W. Tucker, Tactical Officer; 1965.
- Colonel James R. Webb, USAFR(Ret), B.G.E., Omaha; Tactical Officer; 1965.
- Lieutenant Colonel George H. Welles, USAF (Ret), B.S., U.S. Military Academy; Assistant Commandant; 1965.

Emeritus Faculty and Staff

- Miss Modene D. Bates, 1921-24, 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 E. Cookson, 1939-1964, Secretary to the Superintendent.
- Major James B. Ellis, 1929-1961, Associate Professor, Chairman, Department of Physical Sciences.
- Lieutenant Colonel George L. Erwin, 1912-1946, Adjutant.
- Lieutenant Colonel L. T. Godfrey, 1928-1956, Assistant Coach, Coach, Director of Athletics.
- 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.
- Lieutenant Colonel Vester Montgomery, 1929-1933, 1934-1964, Professor of History, Chairman of Division of Social Sciences, Acting Dean.
- Lieutenant Colonel William C. Payne, 1946-1966, Assistant Professor of Mathematics.
- 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 OF TERMS USED AT THE INSTITUTE

- 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-0) 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. For IBM purposes high school subjects, except MST and PE, are given a value of three semester hours.
- 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 1 is a prerequisite to all other courses in English and must be successfully completed before other English courses are taken.

REENROLLENT . . . 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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