

New Mexico Military Institute

The primary purpose of the Institute is to develop responsible citizens through example, activity, precept, and study.

Founded in 1891

**Roswell
New Mexico**

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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

	1964-1965	1965-1966
Matriculation New Cadets.....	Sept. 1, '64	Aug. 31, '65
Registration New Cadets.....	Sept. 7, '64	Sept. 6, '65
Reenrollment Returning Cadets.....	Sept. 7, '64	Sept. 6, '65
Registration Returning Cadets.....	Sept. 8, '64	Sept. 7, '65
Classes Start.....	Sept. 9, '64	Sept. 8, '65
Last Day to Change Schedule.....	Sept. 29, '64	Sept. 28, '65
Last Day to Drop Course.....	Oct. 9, '64	Oct. 8, '65
Thanksgiving.....	Nov. 26, '64	Nov. 25, '65
Christmas Furlough Begins.....	Dec. 18, '64	Dec. 17, '65
Christmas Furlough Ends.....	Jan. 3, '65	Jan. 2, '66
First Half Year Ends.....	Jan. 23, '65	Jan. 22, '66
Second Half Year Begins.....	Jan. 25, '65	Jan. 24, '66
Last Day to Change Schedule.....	Feb. 15, '65	Feb. 14, '66
Last Day to Drop Course.....	Feb. 26, '65	Feb. 25, '66
Easter.....	April 18, '65	April 10, '66
Commencement.....	May 28-30, '65	May 27-29, '66

ACCREDITATION AND AFFILIATIONS

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 nation-wide, 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 now 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 military and civilian 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 high school diploma is granted signifying the completion of the Third Class, 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 military and academic. 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 ever 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 his fellow 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 democracy 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 of pre-professional education.

2. To stimulate the desire to learn, to promote effective habits of study, and to detect and remedy academic weaknesses.

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 train 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.

Visiting Parents or Patrons

Parents or other patrons of cadets who visit the Institute during the school year are requested to notify the school of their arrival time. Notification will permit the Institute to arrange counselor visits with parents or guardians without delay if such visits are desired. Especially during Thanksgiving, Easter, and Commencement, such notifications will be appreciated.

Visitors who intend to come during the time of special events, such as Homecoming, etc., are urged to make hotel or motel reservations well in advance.

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. One of its advantages is an abundance of water from a great artesian basin—an unusual circumstance in the dry Southwest.

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 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.

How to Get to Roswell

Roswell, in the southeastern section of New Mexico, is accessible by buses, trains, and airlines.

Suitable connections on the Santa Fe Railway may be made at Vaughn and Clovis, New Mexico, and at Amarillo, Texas. The New Mexico Transportation Company, operating many buses through Roswell daily, is an affiliate of Greyhound national service. Trans-Texas Airways serves Roswell, connecting the city with other airline systems. Bison Airlines serves New Mexico and West Texas, making connection with other airlines.

U. S. Highway 380 passes through Roswell east and west; U. S. 285 and 70 run north and south. Connections may be made from U. S. 60 and 66 to Roswell.

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 new Roswell Municipal Stadium, seating eight thousand. The Bronco 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 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 twelve million dollars.

Living Facilities

The Corps of Cadets lives in barracks, in quarters well-lighted and heated and cross ventilated. The rooms, designed to house two cadets each, are adequately furnished. Three units, housing 228 cadets, in the new barracks quadrangle will be ready for the 1964-1965 session. Other barracks of the new quadrangle 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 the mess hall. The old dining hall has been completely redecorated, a new dining wing added, and new kitchens and service rooms built, bringing the capacity of the mess hall to more than 1400 comfortably seated. The basement of the new dining wing serves as the cadet store. The new 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 Institute Infirmary is set apart from the other buildings to provide maximum quiet. It is equipped to take care of emergencies as they arise. Four nurses are on duty 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.

Chapel services, both Protestant and Catholic, compulsory for most cadets, are held each Sunday. Cadets who desire to attend church services in Roswell may do so upon individual request. The Institute encourages spiritual affairs and is proud of such organizations as the Newman Club and the Canterbury Club.

Administrative offices of the Institute occupy about half the Headquarters-Library building. The Alumni office, the Registrar's office, the Business office, and other administrative offices are maintained in Headquarters, including the office of the Superintendent. The tower of Headquarters houses the Saunders Memorial Carillon Chimes. The Dean's office is in Lea Hall.

Academic Facilities

Lea Hall, Willson Hall, Science Hall, and Military Science Hall 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. Developmental reading classes help cadet needs. Classrooms are attractively decorated, and laboratories are up-to-date and well equipped.

The Military Science 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 Headquarters-Library building. Approximately 50,000 volumes are available there, and they are being increased at the rate of about 2,000 yearly.

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, housed on the lower level, are open to all cadets; only rare or treasure volumes are not immediately available to cadets at all times. 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 Grounds 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

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.

To be accepted into the Second Class (freshman year of college), an applicant must be a graduate of an accredited high school.

To be admitted into the Fifth Class (corresponding to sophomore year of high school), the applicant must have completed at least four units, one of which must be first-year English.

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, in accordance with the stipulations given under "Class Designation and Promotion."

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.

How to Apply for Admission

A written request should be made to the Director of Admissions stating the date when entrance is desired. New applicants will receive an application form and a form for preliminary personal data. These application papers should normally be completed and returned to the Institute together with an advance deposit of \$100 at least six months before the expected entrance date.

During the semester preceding the expected entrance date, each applicant receives requests for academic, physical, and personal information:

(1) He receives a Certificate of Recommendation form, to be delivered to his high school Principal and returned by him directly to the Institute. This form requests a complete record of grades starting with the ninth grade and including grades in subjects in process, together with class rank, results of standardized tests, and an evaluation by the Principal of the student's personal character and academic promise.

(2) He receives a Physical Examination and Medical History form and an Immunization Record to be completed by the applicant's physician. The required inoculations, to be received within three years previous to admission are as follows: typhoid and paratyphoid fevers, diphtheria and tetanus, smallpox, and poliomyelitis. The applicant must be free of contagious and infectious disease. Corrective medical or surgical treatment, including dental work and the fitting of glasses, should be completed before entrance to the Institute. Furloughs are not granted for orthodontic treatment.

Within approximately sixty days of the receipt of the above information, the applicant will be notified (1) that he has been provisionally accepted, (2) that it will be necessary for him to wait for a definite opening or to wait for final grades, or (3) that his application has not been accepted. Final acceptance is not made until final grades have been received. 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. Late applicants are placed on a waiting list.

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 \$1,460 for a New Mexico resident, and \$1,730 for a nonresident; however, costs are subject to revision as required.

Summary of expenses	In-State	Out-State
Tuition, room, board, laundry, and infirmary. (Deposit with application will be applied upon the above.)	\$ 825.00	\$1,095.00
Fixed Fees	85.00	85.00
Deposit for personal expense	550.00	550.00
	<hr/>	<hr/>
	\$1,460.00	\$1,730.00

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 and fees is payable on September 1 for the entire year. A deferred payment plan is available for those interested.

Academic instruction, board, lodging, personal laundry, and

infirmary for residents of New Mexico is \$825.00 a year. For students from out-of-state, the sum is \$1,095.00. 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 \$13.00. Special fees may be required for particular courses like chemistry and biology, for graduation, 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.

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.

Spending Money

Large amounts of spending money are unnecessary, since all required supplies such as stationery, toilet articles, etc., are furnished from the Cadet Store and are charged to the personal expense account. Cadet spending money is issued weekly in amounts as

follows: New cadets in the Fifth, Fourth, and Third Classes, \$2.00; new cadets in the Second Class, \$3.00; old cadets in the Fifth, Fourth, and Third Classes, \$3.00; old cadets in the Second Class, \$4.00; and in the First Class, \$5.00.

Under certain circumstances, when the Cadet Store cannot furnish a cadet's needs, he may obtain his supplies in Roswell, which has a wide variety of stores and shops.

What to Bring

Articles in the following list should be brought from home or may be purchased in Roswell: pillow, tennis shoes, pajamas, bathrobe, underwear, bedroom slippers, clothes brush, and nail brush.

Cadets may have one radio, record player, or television set (not to exceed 12 x 14 x 12 inches in size) per room for use at specified times. Rugs and draperies should not be brought from home.

Uniforms and all external clothing must conform to regulations and should be bought at the Institute.

Blankets, bed linens, and towels are furnished and should not be brought from home.

Trunks are not required and are not allowed in cadet rooms. If brought, they are stored in basement trunk rooms. Steamer or small wardrobe trunks that are easily handled are preferred.

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 and 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

6:15 First Call	4:00 Special Duty or Classes;
6:27-6:30 Reveille and Assembly	Athletic Period
6:30 Police of Area	4:30 Guard Mount
7:00 Assembly for Mess	6:00 Supper Mess
7:30 Room Police	7:15-9:45 Study Hall
8:00-11:55 Classes	9:45 Release from Quarters
12:10 Mess (12:30 Sunday)	10:00 Call to Quarters
1:00-3:55 Classes	10:15 Taps (Lights out for High School)
	11:00 (Lights out for College)

The Military System

Upon admission to the Institute, a cadet becomes subject to its regulations for the duration of his stay. The essence of the military system is the instillation through training and example, of the highest conceptions of integrity, duty, respect for properly constituted authority, and consideration for fellow cadets. The system is designed and used to develop habits of regularity in daily academic routines as well as to provide ample opportunity for the development of physical, mental, and moral health. Discipline within the Cadet Corps is under the supervision of the Commandant of Cadets.

Upon initial enrollment at the Institute, the young man becomes a new cadet, in which status he must remain for one year before becoming an old cadet, if he is a Third, Fourth, or Fifth Classman. An entering Second Classman will be a new cadet for a half year, after which he becomes a recognized cadet for a half year. A recognized cadet is not an old cadet. His authority is limited to that military authority which he would be required to exercise if he should become a cadet commissioned or noncommissioned officer. The new cadet period is an important one; during this period the new cadet is being evaluated by his fellow cadets and also by members of the faculty and staff. His subsequent advancement in the Corps of Cadets depends upon his individual performance in the duties he is assigned and upon his proficiency in academic subjects and in military science.

Promotions in cadet military rank are based on proven ability to perform the duties involved.

Demotions are based on inability to perform effectively and not on personal unpopularity. Problems involving personal differences can better be solved by transfers and new assignments.

The company tactical officer submits to the Promotion Board recommendations for cadet promotions and reductions. Promotions or demotions in military rank are made by the Promotion Board, consisting of the Commandant of Cadets, the Dean, and the PMS, and are subject to approval by the Superintendent.

Uniform

Cadets will not have in their quarters or elsewhere, except at their home, any unauthorized articles of dress. They must send home all civilian clothing on arrival at the Institute and may not return with it during the academic year. Cadets are required to wear the authorized uniform at all times. This regulation applies to departure from and return to school on special leaves or furloughs.

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 advisors, 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 a guidance counselor 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.

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 registration, 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.

According to the gravity of the offense, cadets are liable to punishment in the following categories, or in any combination thereof:

- Admonition.
- Reprimand.
- Demerits.
- Punishment Tours.
- Deprivation of recreation or privileges.
- Confinement to rooms or to the limits of the campus.
- Probation, suspension, or expulsion.

Serious offenses which warrant expulsion, severe punishment with probation and certain expulsion for a second offense, are the following:

Any cadet who shall wilfully disobey the proper command of an officer, cadet officer, or other superior, or who shall behave himself in a refractory or disrespectful manner may be dismissed.

Any cadet who is found guilty of stealing will be dismissed.

Any cadet who is found guilty of lying or cheating may be dismissed or suffer probation and such other punishment as the Commandant may direct.

Any cadet, at the direction of the Superintendent, may be suspended or dismissed for any serious delinquency.

Any cadet found guilty of the use or possession of alcoholic beverages may be expelled or suffer probation and such other punishment as the Commandant may direct. The use or possession of any

alcoholic beverages by any cadet while under the control of the Institute is forbidden.

Any cadet found guilty of physically hazing a new cadet may be dismissed.

Orientation Period

A period of orientation for new cadets, beginning immediately after matriculation and lasting until the completion of academic registration, has long been an important part of cadet training. This period of six days includes a busy schedule of counseling, testing, lecturing, and discussion. The Institute Honor Code, the life of a cadet in barracks, the school of the soldier, the care and maintenance of equipment, and the like, are interspersed with the issuance of uniforms, books, and equipment; obtaining haircuts; assignment to academic, military, and physical education classes; and the organization of competitive sports. At the end of the six-day period, a boy is an instructed and fundamentally trained member of the Corps of Cadets, familiar with the Institute system and knowledgeable in its traditions.

Campus Living

Cadets are required to live in barracks under the authority and supervision of Institute officers. They are governed by regulations published by the Office of the Commandant of Cadets.

An integral part of the military system is the imposition of a code of behavior for the Corps of Cadets. This code includes special duties for new cadets and broadening opportunities for leadership on the part of old cadets. These activities are carefully supervised by responsible officers.

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 registration 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.

In any case involving honor, the Cadet Honor Board will conduct a thorough investigation to establish the guilt or innocence of the accused and will recommend to the Commandant the action to be taken.

The Commandant of Cadets will review the case and recommend disposal of it to the Superintendent.

Responsibility for Property

Each cadet is responsible, disciplinarily and financially, for State or Federal property issued or assigned to him, including his room with its furnishings and equipment. In case of loss of such property or damages thereto, the cadet is individually accountable. When individual responsibility cannot be placed for damage to or loss of school, State, or Federal property, an assessment will be levied against the Corps of Cadets, or a smaller group thereof which the offending cadet is a part of.

A cadet who absents himself without proper authority has no recourse against the school for loss of personal, State, or Federal property issued for his use.

Special Regulations

The administration cannot give special consideration to cadets who fail to abide by regulations or policies set forth in the Catalog, the Blue Book, and other publications of an official nature, including Special Orders and Memorandums.

The imposition of all penalties, from demerits and tours to probation, suspension, loss of privileges, or dismissal is the result of careful investigation and judgment on the part of vested authority, and the decisions made are final. A cadet who does not fit properly into the life of the Corps of Cadets is liable to dismissal.

Neither married students nor students who have been married may be members of the Corps of Cadets. Any student who violates this policy will be dismissed immediately.

Permits

Permission to visit in Roswell on Saturday and Sunday afternoon is granted at specific times to all cadets who are not restricted for academic or disciplinary reasons. Permits may also be granted at other times by the Commandant of Cadets.

On dance nights, cadets who have dates and who are otherwise eligible to attend the dances are privileged to call for their dates in their homes and to escort them home after the dance. Other permits granted for late evening and night hours are governed by such factors as rank in the Corps, participation in Institute activities, or appearance on the Dean's List. Regulations concerning all permits are laid down in the cadet handbook of procedure, the Blue Book.

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. Any cadet availing himself of an earned furlough must present the parent's or guardian's written consent to the Commandant of Cadets forty-eight hours prior to his

departure time. Permission forms are available in the Commandant's office.

Emergency furloughs may be granted only at the discretion of the Superintendent, upon the recommendation of the Commandant of Cadets. A death in the immediate family, a serious illness, and the marriage of an immediate member of the family are considered the only valid emergencies which might arise. The immediate family consists of the father, mother, brothers, sisters, grandparents, and legal guardians. Parents are asked not to request emergency furloughs for any other reasons.

A medical or dental furlough will be approved when, and only when, the Institute Surgeon determines that appropriate treatment is not available in Roswell. If such furlough is in order, the parent or guardian must approve the necessary expenditure.

The school is cognizant of transportation difficulties and inconveniences encountered to and from Roswell. The Christmas vacation is extended in order to obviate the necessity of special privileges. Other furloughs are based on hours, and the cadet is required to return within the number of hours specified, even if he has to shorten the authorized leave or furlough. Any cadet taking an authorized furlough or leave assumes the obligation of returning on time. A cadet overstaying his furlough will automatically be placed on an Absent Over-Leave Status.

The city of Roswell and the area within a ten mile radius of it are off limits for all furloughs. The only exception to this rule is that cadets whose homes are in Roswell may spend their furloughs at home.

The conditions of departure of cadets from the Institute for any other reasons, such as are required for team activities, field trips, etc., are specified in the Blue Book.

Automobiles Not Permitted

Cadets are not permitted to own or operate motor-propelled vehicles, including automobiles, on the Institute campus or in the vicinity of Roswell. The only exception to this rule is that a cadet may drive his family car if and when a parent or guardian accompanies him in the vehicle.

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. A cadet bringing any weapon to the school must immediately report the fact to the Commandant of Cadets.

Complaints

Any cadet who considers himself wronged by another cadet may complain thereof to the Commandant who will take such action as he deems advisable. Should the complaining party be refused redress, he may appeal to the Superintendent. Such appeals will be prepared in writing, giving full particulars.

Any cadets making statements, under the guise of a legitimate complaint, which upon inquiry are proved to have been untruthful, malicious, or slanderous, will be liable to appropriate disciplinary action.

CADET ACTIVITIES

Social

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 distinguished visitors, and patrons and alumni are invited. Music for the

Final Ball is usually provided by a "name band" of national reputation.

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

Cadet clubs are reflections of the interests 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 and a cadet choir. Instruction is provided for piano, organ, voice, and band instruments, under the supervision of the Band Director, but such instruction is not conducted for academic credit.

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

Two cadet-edited publications are authorized by the Board of Regents for the Corps. The Bronco, the annual, has won recognition in national contests; and the Maverick, a semiannual magazine, includes original poetry and many types of prose. Special privileges are awarded to approved members of the staffs of these two publications.

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 direction 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.

Cahoon Gymnasium, built in the late '20s, has been remodeled to constitute an up-to-date physical education center with the finest of equipment.

The Luna Natatorium has been completely modernized and its facilities expanded.

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 not a member of a competitive team is required to take physical education two hours weekly, on schedule. No academic credit is allowed for physical education.

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 and the Professor of Military Science are ex-officio members who are 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.

THE ALUMNI ASSOCIATION

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 commence-

ment 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

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 graduation of courses, with a minimum of overlapping and repetition, and with the so-called "break" between the Third and Second Class years (high school and college) hardly perceptible.

Academic offerings are grouped into three divisions and eight departments that run throughout the school. Division and department heads acting under the Dean exercise close supervision over the course content and instructional procedures. The divisions are: Natural Sciences and Mathematics, including the four departments of physics, chemistry, biology, and mathematics; English and Languages, including the two departments of English and foreign languages; and Social Science, including the two departments of social studies and business administration. The Department of Military Science stands outside the three divisions and is staffed by personnel 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). A cadet who completes the Third Class qualifies for the High School Diploma; he who completes the First Class qualifies for the Associate in Arts Degree.

The academic 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 educa-

tion—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. Particularly stressed, too, are the cultivation of proper study habits and the elimination of basic difficulties in reading, writing, and mathematics. Diagnostic tests are given, and the results are used as a basis for special remedial opportunity and realistic schedule planning.

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

3. Required Subjects: The following subjects are required: English 111-112 (Freshman English); History 211-212 (American his-

tory), or 3 semester hours of American history plus 3 semester hours of American government. Credit must be earned in Military Schools Training for each year of residence at the Institute.

4. Grade-Point Average: A minimum grade-point average of 1.80 is required for the final three semesters of junior college work at the Institute.

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 seventeen units of credit during his four high school years. The seventeen 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, 3; 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.

Additional requirements: Two additional units must be earned from the courses previously listed. Finally, two units of elective credit are permitted. The elective allowance is often used up as entrance credits. Remedial subjects, art, music, band, driver education, and physical education do not count toward the High School Diploma.

2. A cadet must earn a minimum of four units of credit at the

Institute and must spend his Third Class year in residence; however a Third Class new cadet must earn a minimum of two units of credit at the Institute and must spend two semesters proficiently 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 NMMI. 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 unit 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 of the seventeen units necessary for the High School Diploma. In the latter case, he is required to complete the unit 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 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 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 any 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 or over on his entire academic program, MST included, with no grade falling below C. His program must

include a minimum of four academic subjects plus MST on the preparatory level or fifteen semester hours of work on the college level. Additionally, his grades in deportment and physical education must be passing.

A cadet qualifying for the Dean's list at the six- or twelve-week grading periods 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. A Dean's List furlough or privilege is nullified if not used in the half-year immediately following its award.

GRADES AND GRADE POINTS

Six-week, twelve-week, and eighteen-week (half year) grades are issued. Each grade is cumulative—that is, it represents a student's standing up to the time of issuance. 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 six 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, are considered of equal value in computing grade point averages. College courses are weighted according to the number of credit hours they carry.

PROPOSED CURRICULA FOR FIRST AND SECOND CLASSMEN

Liberal Arts

First Year

English 111-112
History 101-102
Modern Language
Science or Mathematics
M.S.T.

Second Year

English, 6 hours—Second Year
Science and/or Mathematics
Psychology or Economics
Modern Language (2nd Year)
History 211-212 or Govt. 211
M.S.T.

Engineering

English 111-112
 Chemistry 111-112 or 113-114
 Mathematics 116-117-118 or 121-122
 Physics 107
 Mathematics 141-142 or 143-144
 M.S.T.

Mathematics 221-222
 Physics 213-214
 English, 3 hours—Second Year
 History 211-212 or Govt. 211
 M.S.T.

Pre-Law

English 111-112
 History 101-102
 Mathematics 113-117
 College Science
 Modern Language
 M.S.T.

English, 6 hours—Second Year
 History 211-212
 Government 211
 Bus. Administration 211
 Modern Language
 M.S.T.

Pre-Medicine — Dentistry — Pharmacy

English 111-112
 Chemistry 111-112 or 113-114
 Mathematics 113-117
 Biology 101-102
 M.S.T.

Physics 111-112
 Chemistry 213-214 and/or 222
 History 211-212 or Govt. 211
 Elective
 M.S.T.

Pre-Business

English 111-112
 College Laboratory Science
 Bus. Administration 111-112
 Elective (Language, Social Science,
 or Mathematics)
 M.S.T.

History 211-212
 Economics 211-212
 Bus. Administration 211-212
 Bus. Administration 215-216
 Bus. Administration 224
 Elective
 M.S.T.

Pre-Agriculture

English 111-112
 Mathematics 111
 Chemistry 111-112
 Biology 101-102
 M.S.T.

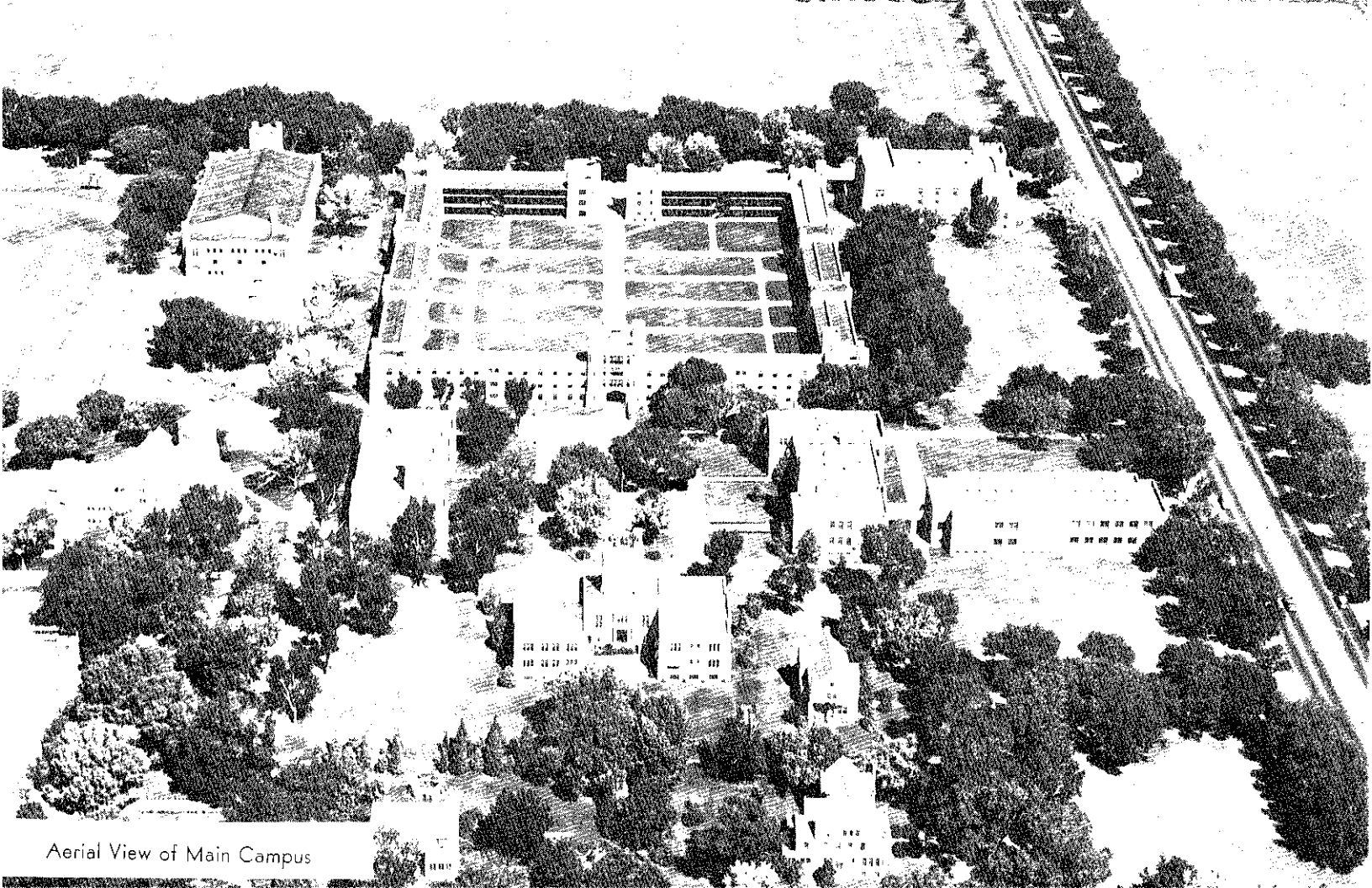
Chemistry 211
 Biology 212
 History 211-212
 Biology, Second Year
 M.S.T.

The Service Academies

English 111-112
 History 101-102
 Chemistry 111-112 or 113-114
 Mathematics 121-122 or 116-117-118
 Mathematics 141-142 or 143-144
 Modern Language
 Physics 107
 M.S.T.

English, 6 hours—Second Year
 Physics 213-214 or 111-112
 Mathematics 221-222
 Modern Language
 Mathematics 130
 History 211-212 or Govt. 211
 M.S.T.

Cadets preparing for the United States Service Academies should take two years of algebra, one year of plane geometry, one-half year of solid geometry, one-half year of trigonometry, one year of physics, and one year of chemistry on the preparatory level. If qualified they should also take college preparatory mathematics.



Aerial View of Main Campus

Headquarters and Library

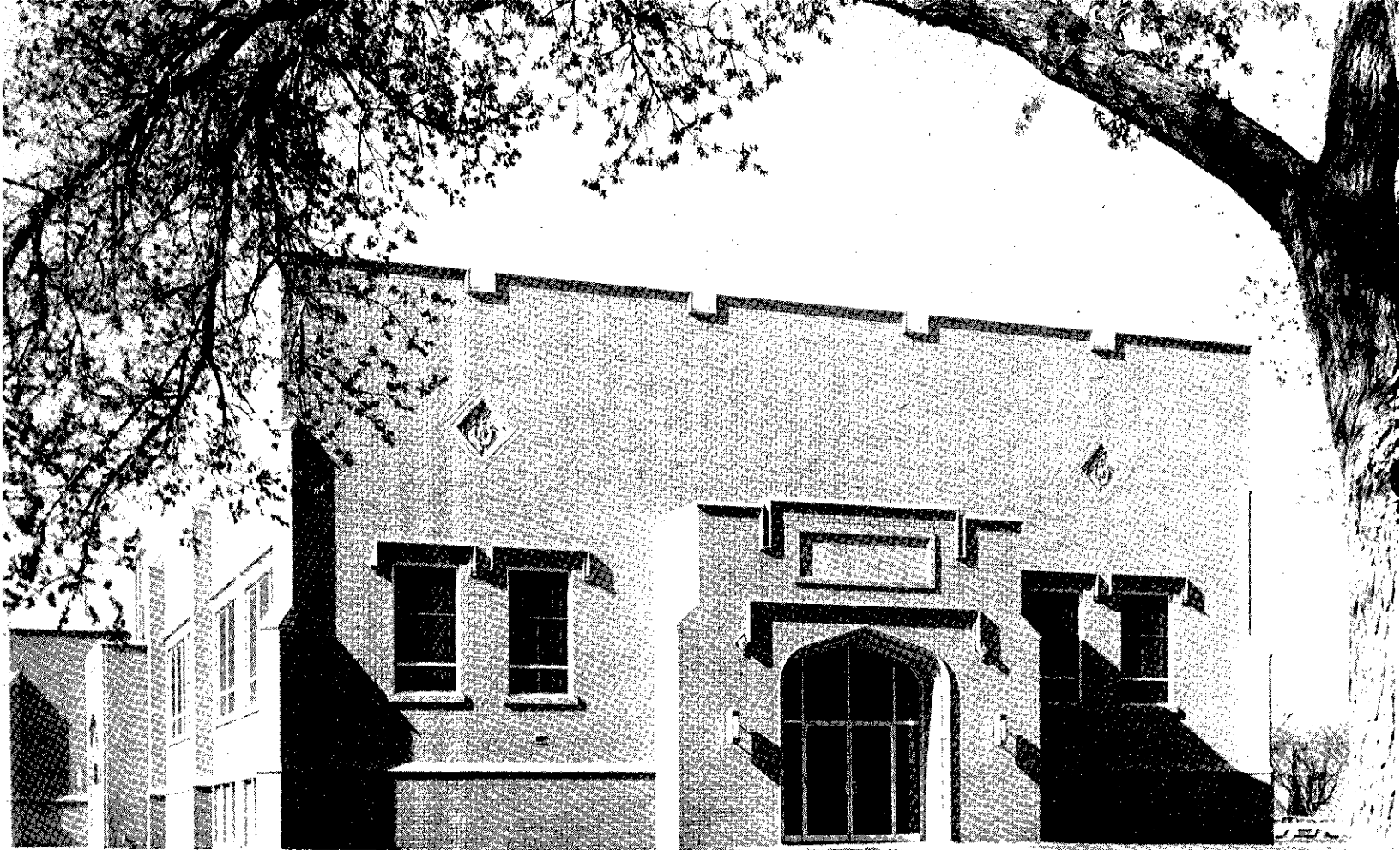




Willson Hall

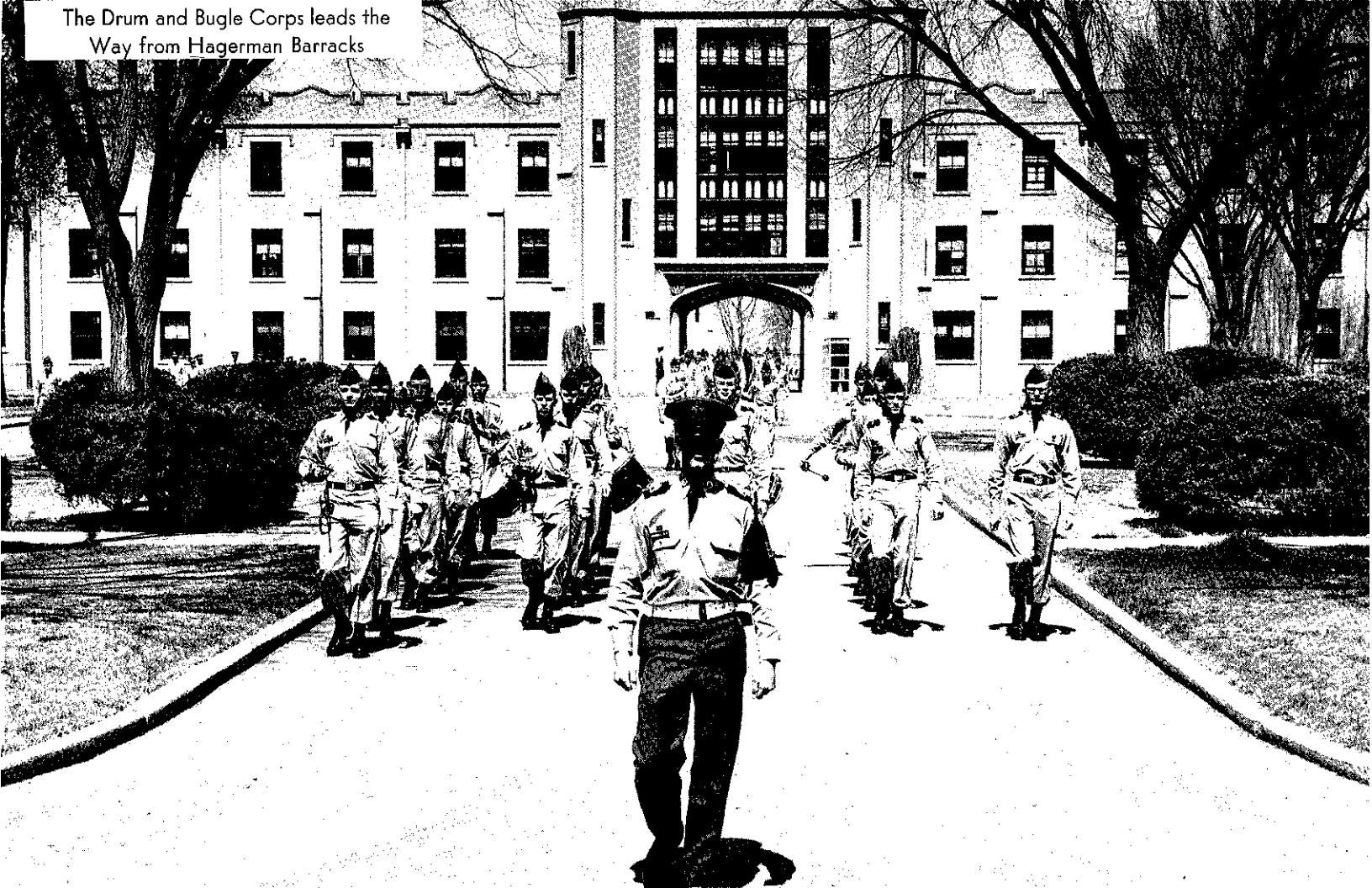
J. Ross Thomas Memorial Building





Military Science Building

The Drum and Bugle Corps leads the
Way from Hagerman Barracks





Annual Government Inspection

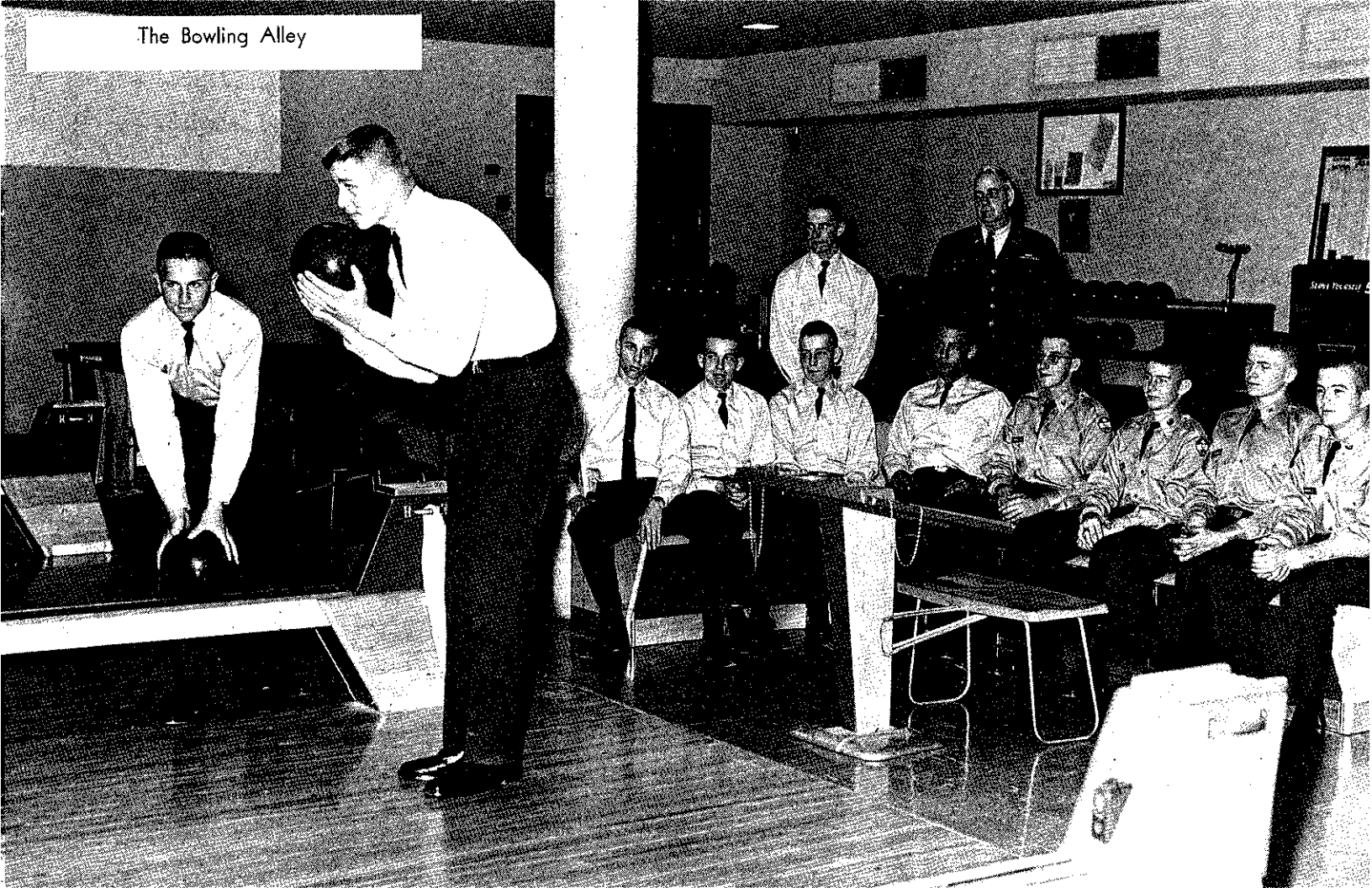
The Cadet Choir





The Color Guard at the Sally Port

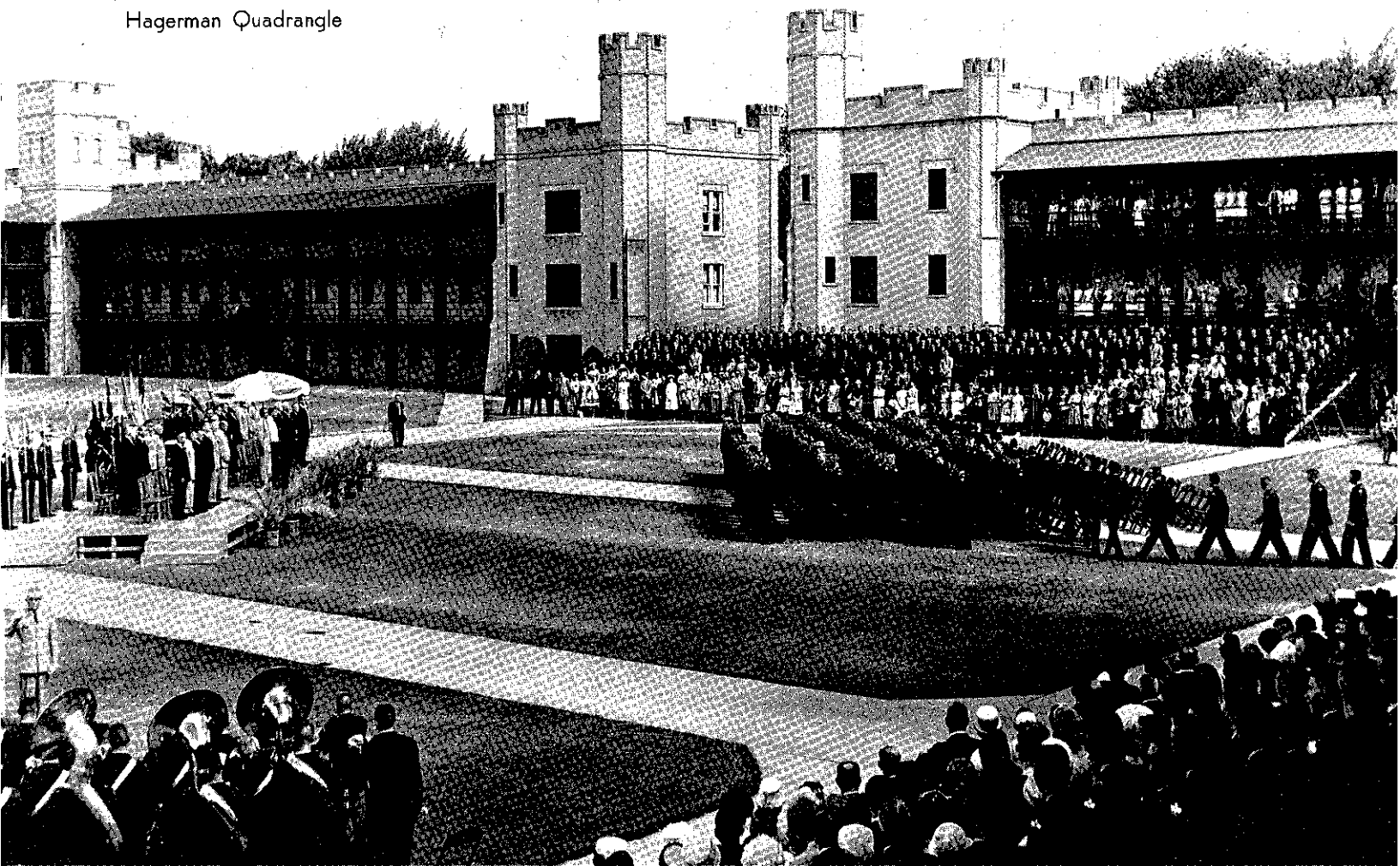
The Bowling Alley





Pass in Review

Commencement Exercises In
Hagerman Quadrangle



THE DIVISION OF ENGLISH AND LANGUAGES

Lieutenant Colonel Patrick H. Gratton, Division Chairman

Major James W. Branch, English Department Chairman

Major Anthony Rivaes, Languages Department Chairman

Major Albert E. Scott, Captain Hector Zamorano, Captain Clarence Beck, Captain Bennie A. Padilla, Captain Paul Coggins, Captain Richard Limbaugh, Captain Jack Jackson, Captain Adrian Martinez, Captain Kurt Olsson, Captain Nicholas Lapadat, Captain Jeff Roberts.

The English Department

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.

Courses:

English 2a.

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 NMMI.

English 2b.

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.

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

English 3b.

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

English 4a.

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

English 4b.

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—Either Semester. No Credit.

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

Public Speaking. Elective only. 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. Sem. I. 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. Sem. II. 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. Sem. I. Cr. 3.

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

English 232—Introduction to Shakespeare. Sem. II. 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. Sem. I. 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. Sem. II. 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

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 modern languages will have two 55 minute periods in the language laboratory per week. Laboratory fee: \$5.00 per semester.

French Courses:

French 1a. Sem. I.

Stress on basic skills, listening and speaking. Oral drills. Essentials of grammar. Fundamentals of reading and writing. Phonetics.

French 1b. Sem. II.

Continuation of the first semester.

French 2a. Sem. I.

Review of the elements of grammar and composition; dictation; conversation; extensive readings.

French 2b. Sem. I.

Continuation of the first semester.

French 111-112—Elementary French. Sem. I-II. Cr. 3-3.

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

French 113-114—Phonetics Laboratory. Sem. I-II. Cr. 1-1.

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. Sem. I-II. Cr. 3-3.

A sequence course. Extensive reading, translation, conversation. Colateral 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 251-252—Introduction to French Literature. Sem. I-II. Cr. 3-3.

Survey of chief authors and movements in French literature, conducted largely in French. Credit for either semester. Prerequisite: French 212 or equivalent from an accredited school.

German Courses:**German 1a. Sem. I.**

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

German 1b. Sem. II.

Continuation of the first semester.

German 2a. Sem. I.

Review and further elaboration of grammar, composition, and conversation, with stress on reading. Songs are learned and sung.

German 2b. Sem. II.

A continuation of the first semester.

German 111-112—Elementary German. Sem. I-II. Cr. 3-3.

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

German 113-114—Phonetics Laboratory. Sem. I-II. Cr. 1-1.

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. Sem. I-II. Cr. 3-3.

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. Sem. II. 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. Sem. I. Cr. 3.

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

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

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

Spanish Courses:**Spanish 1a. Sem. I.**

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

Spanish 1b. Sem. II.

Continuation of the first semester.

Spanish 2a. Sem. I.

Grammatical study applied to various readings; tenses, idioms, and constructions; stress on comprehension and practical, idiomatic discourse.

Spanish 2b. Sem. II.

A continuation of Spanish 2a, with stress on practical discourse both in class and in the language laboratory.

Spanish 3a and 3b.

Advanced composition and reading (alternates with Spanish 4a and 4b).

Spanish 3a. Sem. I.

Grammatical review; reading, with grammatical background stressed in the latter part of the semester.

Spanish 3b. Sem. II.

Grammar, reading, and conversation. Short stories by Spanish authors used as basis for cultural study as well as conversation. One Spanish novel and one formal paper required.

Spanish 4a. Sem. I.

Reading and conversational course, with grammar as needed. As far as practicable, all work done in Spanish. Recommended for native speakers with two years of Spanish.

Spanish 4b. Sem. II.

Oral and written reports, reading from Spanish-American literature, continuation of discussions in Spanish.

Spanish 111-112—Elementary Spanish. Sem. I-II. Cr. 3-3.

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

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

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. Sem. I-II. 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. Sem. I. Cr. 2.

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

Spanish 251-252—Survey of Spanish Literature. Sem. I-II. Cr. 3-3.

Chief authors and movements in Spanish literature, conducted in Spanish. Recommended for foreign service students. Credit for either semester. Prerequisite: Spanish 212 or equivalent.

Latin Courses:

Latin 1a. Sem. I.

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

Latin 1b. Sem. II.

Continued translation, further development of resources of grammar and vocabulary.

Latin 2a. Sem. I.

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.

Latin 2b. Sem. II.

Translation of parts of Caesar's Commentaries; prose composition.

Latin 3a. Sem. I.

Stories from Sallust's *Catiline*; Cicero's *First and Third Orations against Catiline*, and his *Oration against Verres*. Reviews of forms and syntax.

Latin 3b. Sem. II.

Stories from Ovid's *Metamorphoses*, special emphasis upon the scansion and reading of dactylic hexameter.

Latin 4a. Sem. I.

Books I, II, and III (in part) of the *Aeneid*; the hexameter; mythology.

Latin 4b. Sem. II.

Continuation of the *Aeneid*, continued emphasis upon the hexameter.

THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Lieutenant Colonel William C. Roudebush, Division Chairman
Major Fred A. Miller, Mathematics Department Chairman
Lieutenant Colonel Paul Mount-Campbell, Physics Department
Chairman

Colonel G. Seth Orell, Chemistry Department Chairman
Lieutenant Colonel James H. Sikes, Biology Department Chairman.
Major William C. Payne, Mathematics; Major William F. Harris,
Biology; Colonel Ellsworth N. Murray, Mathematics;
Captain Robert A. MacArthur, Physics;
Captain John J. Foster, Engineering Drawing;
Captain Allen J. Lovelace, Biology;
Captain Thomas M. Barnett, Chemistry;
Captain Phillip J. Farren, Mathematics;
Captain Marvin L. Watts, Chemistry;
Lieutenant Colonel William H. Morgan, Mathematics;
Captain Carrol O. Worm, Mathematics;
Colonel Chester Harley Anderson, Mathematics;
Mr. George C. Wilson, Science Hall Stockroom.

The Geology Department

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.

Geology 111—Physical Geology. Sem. I. 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. Sem. II. 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. Sem. I. 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. Sem. II. Cr. 4 (2 + 6L).

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

Department of Biology

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 applications 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.

Biology 1a. Sem. I.

The course considers the difference between living and nonliving things, classifications of plants and animals. The compound microscope is used. Representative plants and simple animals are studied, dissection of higher forms begun. Laboratory fee: \$5.00.

Biology 1b. Sem. II.

Life function carried on by plants and animals. Dissection of higher animal forms continued. Simple experiments concerning life functions (digestion, metabolism, etc.) are begun. Laboratory fee: \$5.00.

Biology 101-102—General Biology. Sem. I-II. Cr. 4-4 (3 + 2L).

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 each semester.

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

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

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

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

Biology 212—Microbiology. Sem. II. Cr. 4 (3 + 4L).

Emphasis upon application to industry, agriculture, and civic and domestic situations. Techniques stressed in the laboratory. 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. Sem. I. 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. Sem. II. Cr. 4 (3 + 2L).

A nonsequence 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 212, Biology 221, and Biology 232 will be offered only when there is sufficient demand.

The Department of Chemistry

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.

Chemistry 1a. Sem. I.

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. Careful attention is given to teaching and learning aids.

Chemistry 1a. Laboratory.

An attempt is made to perform or demonstrate about thirty-two experiments by the student or the instructor. Demonstrations by the student are encouraged. Laboratory fee: \$5.00.

Chemistry 1b. Sem. II.

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.

Chemistry 1b. Laboratory.

During this period we attempt to cover about thirty-five to forty experiments either by actual work in the laboratory or demonstrations by the instructor or student or both. Laboratory fee: \$5.00.

Chemistry 111-112—General Chemistry. Sem. I-II. Cr. 4-4 (3 + 3L).

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. Sem. I-II. Cr. 5-5 (3 + 6L).

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. Sem. I or II. 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. Sem. I-II. Cr. 5-5 (3 + 8L).

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. Sem. I or II. 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. Sem. 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

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.

Algebra 1a and 1b. Both semesters.

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

Algebra 2a. Sem. I.

Review of first year algebra; numerical and literal quadratic equations, exponents and radicals. Prerequisite: Algebra 1a and 1b.

Algebra 2b. Sem. II.

Logarithms; use of logarithmic tables in the solution of right triangles; arithmetic and geometric series; the binomial theorem.

Algebra 2a and 2b are equivalent of Mathematics A2, Quadratics and Beyond, as designated by the College Entrance Examination Board.

Geometry 1a. Sem. I.

Theorems, construction, and practical applications of geometry to everyday living.

Geometry 1b. Sem. II.

Circles, the measurement of angles, and areas; proportions and similar polygons.

Plane Trigonometry. Either semester.

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. Either semester.

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.

Drawing 1a. Sem. I.

Use of instruments, lettering plates, geometrical construction, drawing conventions, orthographic and isometric projections. Five regular periods a week. Laboratory fee: \$5.00.

Drawing 1b. Sem. II.

Oblique projections, freehand sketching, detail and assembly drawings, developments, and blueprints. Laboratory fee: \$5.00.

Algebra and Trigonometry. Year course—one unit of credit.

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. Year course—one unit of credit.

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. Sem. I or II. 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. Sem. I or II. 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. Sem. I. 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. Sem. I or II. 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. Sem. II. 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. Sem. I-II. 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. Sem. I-II. Cr. 3.

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

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

Measurement 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. Sem. 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. Sem. II. Cr. 2 (1 + 3L).

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

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

Intersections and developments; 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. Sem. I-II Cr. 4-4.

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 differentiation; 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

Purpose:

The PSS Course is followed in Physics 1. 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 the ideas of general physics for students of science, engineering, premedicine, and liberal arts. The major objective of these courses is to give the students a precise understanding of the methodology and development of the great generalizations 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 1a. Sem. I.

Introduction to fundamental physical concepts of time, space, and matter, and a development of the study of the wave nature of light. 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. Prerequisite: Algebra 1 and Geometry 1.

Physics 1b—Sem. II.

A study of the dynamics of motion. Introduction to electricity and through it to the physics of the atom. This course is designed by the Physical Science Study Committee to fill the needs of students inclined toward the humanities as well as those interested in science. Laboratory fee: \$5.00. Each student is charged in addition for broken apparatus. Prerequisite: Algebra 1, Geometry 1, and Physics 1a.

Physics 106—Engineering Orientation. Sem. I. 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. Sem. I or II. 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. Sem. I-II. Cr. 4-4. (3 + 3L).

A sequence course that fulfills the science requirement 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. Sem. I. 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. Sem. II. 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. Sem. I. Cr. 3.

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

Physics 204—Photography. Sem. II. 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. Sem. I-II. 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.

THE DIVISION OF SOCIAL SCIENCE

Major Valdemar Rodriguez, Division Chairman
 Major Edward M. Praisner, Social Studies Department Chairman
 Major Howard G. Murphy, Business Administration Department
 Chairman
 Major Donald L. Neelen, Captain Eugene F. McGuire, Captain
 Richard Morgan, Captain Eugene T. Jackman, Colonel Roy W.
 Cole, Jr.

Department of Social Studies

Purpose:

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

History Courses:

History 1a—Ancient and Medieval History. Sem. I.

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 Sem. II.

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. Sem. I.

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

History 2b—Sem. II.

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 3—English History, Either Semester. One-half unit of credit.

Emphasis on England 1066-1688, but a survey is made of the changes in the parliamentary structure through the present period; Saxon and Norman influences and the foundations of national unity; political and social developments as they affected the American Colonies; legal and constitutional transitions. Especially useful for prelaw students.

History 4a—American History. Sem. I.

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—Sem. II.

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. Sem. I. 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. Sem. II. 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. Sem. I. 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. Credit for either or both semesters.

History 212—History of the United States. Sem. II. 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. Credit for either or both semesters.

History 231—Development of Warfare. Sem. I. Cr. 3.

Introduction to world military history; evolution of strategy, tactics, weapons, and organization. Important European campaigns and military leaders from ancient times through the Napoleonic Period. Prerequisite: History 101-102.

History 232—American Military History. Sem. II. Cr. 3.

A study of the American military tradition. Detailed examination of the principal wars and campaigns since 1776. Prerequisite: History 101-102 and History 231, or permission of the instructor.

History 231 and 232 are courses of particular value to students in advanced military science.

American Government 1—Either semester. One-half unit of credit.

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. Sem. I or II. 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 Foreign Governments. Sem. II. Cr. 3.

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

Economics Courses:

Economics 1. Either Semester. One-half unit of credit.

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. Sem. I. 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. Sem. II. 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. Sem. I. Cr. 3.

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

Psychology 212—The Psychology of Adjustment. Sem. II. 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 1—Either semester. One-half unit of credit.

Physical, economic, and political aspects of the world. Major land areas of the world, with emphasis on the United States.

Geography 109—Principles of Geography. Sem. I. 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. Sem. I or II. Cr. 3.

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

Department of Business Administration

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 1a. Sem. I.

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 1b. Sem. II.

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 1a. Either semester.

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 1b.

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

Business Administration 101—Typing. Sem. I or II. 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. Sem. I. Cr. 3.

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

Business Administration 112—Elements of Business Mathematics. Sem. II. 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. Sem. I. 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. Sem. II. 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 215—Business Law. Sem. I. Cr. 3.

Basic legal principles essential to conduct of business. Elements of a contract: the competence of its parties; its execution, its assignment, and consequences of its breach. Agency and the law of partnership and of corporations considered as independent subjects and in relation to the law of contracts. Prerequisite: First Class standing.

Business Administration 216—Business Law. Sem. II. Cr. 3.

The Uniform Negotiable Instruments Law examined in detail. Sales, bailments, insurance, and carriers. Case analyses constitute a large part of discussion, classroom work, and assignments. Prerequisite: B.A. 215 or permission of instructor.

Business Administration 223—Business Writing. Sem. I. Cr. 3.

To train 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. Given alternate semesters.

Business Administration 224—Business Statistics. Sem. II. 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. Given alternate semesters.

THE DEPARTMENT OF MILITARY SCIENCE

Colonel John F. Rhoades, Armor, Professor of Military Science
 Captain John O. Bovard, Armor, Assistant PMS
 Captain John L. Johnsen, Armor, Assistant PMS
 Captain William S. Graf, Armor, Assistant PMS
 Sergeant Major Vernon Bass, Chief Instructor
 Master Sergeant Bernard E. Welling, Instructor
 Master Sergeant Raymond Eichenauer, Administrative NCO
 Master Sergeant Hayden C. Hendrix, Supply Sergeant
 Sergeant First Class Herman Bresciani, Instructor
 Sergeant First Class John L. Fortner, Instructor
 Sergeant First Class Jack W. Redell, 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 our ROTC Program is threefold:

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

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 credit for Freshman or Freshman and Sophomore Military Science, and does not have to repeat 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 Third, Fourth and Fifth Classes at midyear 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.

Allowances

The Department of the Army pays cadets who are formally enrolled in the ROTC Program certain 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.

Subsistence Allowance:

Each cadet formally enrolled in the Advanced Course (MST 5 and MST 6) receives a subsistence allowance of \$0.90 a day during the two years he is actively participating in the Advanced Course program (for a maximum of 595 days, or a total of \$536.50). This allowance is paid by the Government directly to the cadet on a monthly basis (\$27.00 a month). These allowances, uniform and subsistence, are not subject to income tax.

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 their 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 our Third Class 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 both their academic counselor and the Professor of Military Science of their interest.

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. The Institute will assist all cadets turning eighteen during the school year to meet this requirement. The Registrar of the Institute will maintain a record of each cadet and will send Selective Service Form 109 to each cadet's Selective Service Board at the appropriate time, informing the Board of the cadet's student status so that he will receive the deferment appropriate to that status.

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 in 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.

The Institute will maintain the required records and take the action necessary to secure such deferments as are authorized and required.

ROTC CURRICULUM

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. Cr. 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. Cr. 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. Cr. one unit for high school students; four semester hours for college students.

Same as for MST 1 and MST 2 combined—an accredited compressed course which is the equivalent of MS 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 semester hours, 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.

Advanced Course—Military School 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 con-

tract basis are eligible for the ROTC uniform and subsistence allowances provided to cadets taking the Advanced Course (MST 5 & MST 6).

MST 5. Cr. six semester hours.

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. six semester hours.

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 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.

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.

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 Scholarships 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 Floyd Childress Scholarship and Loan Fund, value \$500, is awarded annually to a Second Classman who requires financial assistance so that he may continue his education. The recipient must have demonstrated academic ability and is expected to maintain an acceptable scholastic record during that year. Three hundred dollars is an outright award and \$200 is provided as a loan.

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 G. R. Brainard Scholarship, for scholastic excellence, rigid standards of personal honor, and concern for others, has been given in the name of Mr. G. R. Brainard, former President of the Board of Regents, in the amount of \$360 per half year. Other conditions of the award are available from the Scholarships Committee.

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

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 it is 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 was 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 the 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 NMMI, and Mrs. Ward as a memorial to their son, Captain Charles F. Ward, Jr., '49, who was killed in Germany, March 21, 1959, in the performance of duty as a United States Army aviator.

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

INSTITUTE HISTORY

New Mexico Military Institute had its inception in the Goss Military 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, the Military Science Building, and the Science Building; the renovation and remodeling of the athletic facilities, Lea Hall, and Willson Hall; and the beginning of the enlargement of the Mess Hall, the barracks facilities, 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.

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.

Brigadier General John P. Willey, USA (Ret), B.S., Virginia Polytechnic Institute; Commandant of Cadets; 1955.

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 John F. Rhoades, USA, B.S., U. S. Military Academy; Professor of Military Science; 1960.

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

Major John L. Neumann, B.S., M.Ed., Springfield College; Director of Athletics; 1963.

Major T. Gayle Phillips, A.A., New Mexico Military Institute; Public Relations Officer; 1963.

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 English and Languages; Supervisor of Fifth Class; Professor of English; 1927.

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

Major Valdemar Rodriguez, B.A., M.A., Texas College of Arts and Industries; Ph.D., University of Texas; Chairman, Division of Social Sciences; Supervisor of Third Class; Professor of History; 1960.

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

Major 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., University of Denver; Chairman, Department of Chemistry; Associate Professor of Chemistry; 1931.

Major Edward M. Praisner, B.S., Stroudsburg State; M.A., New

- Mexico; Chairman, Department of History; Associate Professor of History; 1946.
- Colonel John F. Rhoades, USA, B.S., U. S. Military Academy; Professor of Military Science; 1960.
- Major Anthony Rivas, M.A., Cordoba; M.A., Columbia University; Chairman, Department of Languages; Assistant Professor of Spanish; 1960.
- Lieutenant Colonel James H. Sikes, A.B., Abilene Christian; M.S., Texas A. and M.; Chairman, Department of Biological Sciences; Associate Professor of Biology; 1942.
- Colonel Chester H. Anderson, USA (Ret), B.S., M.Ed., University of Oklahoma; Instructor of Mathematics; 1964.
- Captain Thomas M. Barnett, B.S., M.S., Eastern New Mexico; Instructor of Chemistry; 1961.
- Sergeant Major Vernon Bass, USA; Instructor, Military Department; 1963.
- Captain Clarence Beck, B.A., M.A., University of New Mexico; Instructor of German; 1962.
- Captain John O. Bovard, USA, B.S., U. S. Military Academy; M.A., Syracuse University; Assistant Professor of Military Science; 1962.
- SFC. Herman Bresciani, USA; Instructor, Military Department; 1960.
- Captain Marshall Brown, B.S., M.A., Alabama; Football Coach; 1958.
- Mrs. Bert Ellen Camp, B.A., University of Southern California; M.A., Sul Ross State College; M.A., University of Denver; Assistant Librarian; 1962.
- Captain Paul E. Coggins, B.A., M.A., University of Oklahoma; Instructor of English; 1963.
- Captain Stephen F. Clark, B.S., Memphis State; M.A. in L.S., George Peabody; Head Librarian; 1963.
- Colonel Roy W. Cole, USA (Ret), B.S., U. S. Military Academy; M.A., George Washington University; Instructor of History; 1964.

- MSgt. Raymond C. Eichenouer, 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, B.S., North Dakota; M.Ed., West Texas State; Assistant Professor of Engineering Drawing; 1958.
- Captain Wayne Gares, B.S., University of New Mexico; Football Coach; 1963.
- Captain William S. Graf, USA, B.S., U. S. Military Academy; Assistant Professor of Military Science; 1963.
- Major William F. Harris, B.S., M.S., Oklahoma State University; Assistant Professor of Biology; 1951.
- MSgt. Hayden C. Hendrix, USA; Supply, Military Department; 1962.
- SSgt. James E. Hennessee, USA; Instructor, Military Department; 1963.
- Captain Eugene T. Jackman, B.A., Arkansas State; M.A., University of Mississippi; Instructor of History; 1963.
- Captain Jack Jackson, A.B., University of North Carolina; M.A., University of Nevada; Instructor of English; 1963.
- Captain John L. Johnsen, USA, B.S., U. S. Military Academy; Assistant Professor of Military Science; 1962.
- Captain Arnold W. Joyce, B.S., M.S., Springfield College; Swimming Coach; 1961.
- Captain Wilson Knapp, B.S., University of New Mexico; M.A., Eastern New Mexico University; Football Coach; 1963.
- Captain Nicholas Lapadat, B.A., M.A., University of Arizona; Instructor of French; 1963.
- Captain Richard G. Limbaugh, B.S., S.E. Missouri State; M.A., San Francisco State; Instructor of English; 1963.

- Captain Allen J. Lovelace, B.S., M.S., North Texas State; Assistant Professor of Biology; 1958.
- Captain Robert A. MacArthur, Ph.B., Wisconsin; M.A., Western State; Assistant Professor of Physics; 1957.
- Captain Adrian J. Martinez, Jr., B.A., MATS, University of New Mexico; Instructor of Latin and Spanish; 1963.
- Captain Eugene F. McGuire, B.S., West Texas State; M.A., University of California; Instructor of Political Science; 1958.
- Captain Richard H. Meeker, B.A., New Mexico; Head — Department of Guidance and Counseling; 1959.
- 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., University of 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., University of Denver; Assistant Professor of Business Administration; 1953.
- Captain Kurt O. Olsson, B.A., North Park College; M.A., Columbia University; Instructor of English; 1963.
- Captain Bennie A. Padilla, B.A., M.A., New Mexico Highlands University; MATS, University of New Mexico; Instructor of Spanish; Head of Language Laboratory; 1962.
- Major William C. Payne, A.B., Trinity; M.A., West Texas State; Assistant Professor of Mathematics; 1946.
- Captain Robert D. Pollard, B.A., Adams State College; Basketball Coach; 1963.
- SFC. Jack W. Redell, USA; Instructor, Military Department; 1962.
- Captain Jeff L. Roberts, B.A., S.W. Missouri State; M.A., University of Missouri; Instructor of English; 1963.
- Major Albert E. Scott, B.A., Morningside College; M.A., University

of New Mexico; Assistant Professor of English and Reading; 1953.

Captain Marvin L. Watts, B.S., M.S., Eastern New Mexico University; Instructor of Chemistry; 1962.

MSgt. Bernard E. Welling, USA; Instructor, Military Department; 1962.

Captain Carroll O. Worm, B.S., Iowa State; M.A., Fresno State; Instructor of Mathematics; 1963.

Captain Hector Zamorano, B.A., M.A., Texas Christian; Instructor of Spanish; 1959.

Administrative Staff Assistants

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

Major William I. Cassell, Tactical Officer; 1962.

Mrs. Helen S. Clark, Admissions Secretary and Assistant to the Registrar; 1953.

Mrs. Helen E. Cookson, Secretary to the Superintendent; 1930.

Colonel Rodman M. Cookson, A.B., Hardin-Simmons; M.A., Eastern New Mexico; Chaplain; 1951.

Captain James E. Fraunfelter, Mess Officer; 1964.

Captain Pat L. Fuqua, B.B.A., Southwest Texas State Teachers; Chief Accountant and Assistant to the Adjutant; 1956.

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.

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

Captain James R. Lowe, Tactical Officer; 1963.

Captain J. Thomas Murrell, Purchasing Agent; 1957.

Major Fred S. Norcross, Jr., B.S., Carroll; Assistant to the Commandant; 1954.

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

Lieutenant Colonel Joseph A. Posz, B.S., New Mexico Military Institute; Manager of Cadet Services; 1929.

Major Vernon W. Robertson, A.B., Mus. B., Southwestern; Mus. M. Syracuse; Bandmaster; 1947.

Captain Raymond J. Snare, Jr., B.A., Texas Western; Tactical Officer; 1960.

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.

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 G. Merton Sayre, 1928-1963, Associate Professor of French, Chairman, Department of Languages.

Lieutenant Colonel John E. Smith, 1930-1950, 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 overwatch the academic progress of an entire class, such as the Fifth Class.

CORPS (Corps of Cadets) . . . The entire student body of the Institute.

COUNSELOR . . . An instructor assigned by the Institute to help each cadet with his problems, academic and personal.

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.

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 points. The grade points are summed and divided by the total hours attempted. For IBM purposes high school subjects, except MST, 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.

REENROLLMENT . . . The act of signing the roll book for the second time (or third, fourth, etc). The former cadet returns to the Corps.

REGISTRATION . . . The act of enrolling in courses at the beginning of the year (or half year). This involves choosing courses with the help of the counselor.

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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New Mexico Military Institute

Laswell, New Mexico