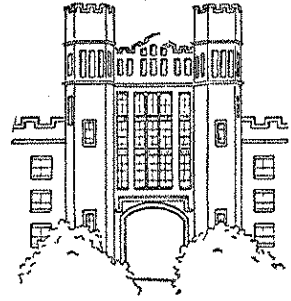




New
Mexico
Military
Institute



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

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

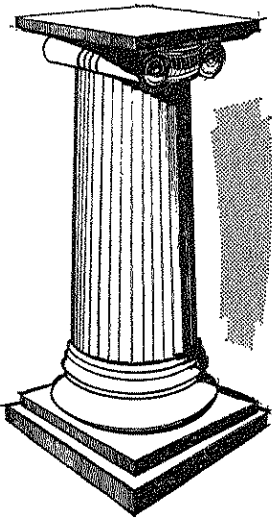
Roswell
New Mexico

PREFACE

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

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

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



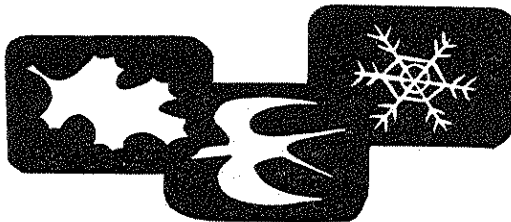
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See the complete Index for an alphabetical list of subjects covered in this Catalog. Patrons and students alike are reminded that the official Blue Book and other publication such as Special Orders and Memoranda also govern cadet life. The Catalog 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

	1968-69	1969-1970
Matriculation New Cadets	Aug. 30, '68	Sept. 5, '69
Reenrollment Returning Cadets	Sept. 2, '68	Sept. 8, '69
Registration Returning Cadets	Sept. 3, '68	Sept. 9, '69
Registration New Cadets	Sept. 4, '68	Sept. 10, '69
Classes Start	Sept. 5, '68	Sept. 11, '69
Last Day to Change Schedule	Sept. 26, '68	Oct. 3, '69
Last Day to Drop Course	Oct. 4, '68	Oct. 10, '69
Thanksgiving	Nov. 28, '68	Nov. 27, '69
Christmas Furlough Begins	Dec. 19, '68	Dec. 18, '69
Christmas Furlough Ends	Jan. 5, '69	Jan. 4, '70
First Half Year Ends	Jan. 21, '69	Jan. 27, '70
Second Half Year Begins	Jan. 23, '69	Jan. 29, '70
Last Day to Change Schedule	Feb. 13, '69	Feb. 20, '70
Last Day to Drop Course	Feb. 24, '69	March 3, '70
Easter	April 6, '69	March 29, '70
Commencement	May 23-25, '69	June 4-6, '70



ACCREDITATION AND AFFILIATION

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

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

DIRECTIONS FOR CORRESPONDENCE

Correspondence should be directed as follows:

Academic policy and problems: The Dean.

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

Athletics: Director of Athletics.

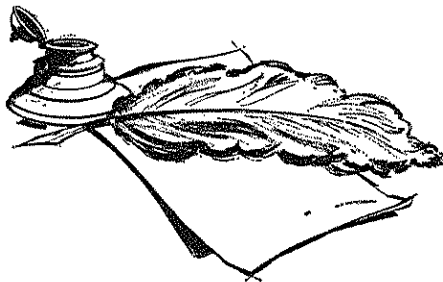
General Policy: The Superintendent.

Guidance and Counseling: Director of Guidance.

Health of Cadets: Office of the Superintendent.

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

ROTC matters: The Professor of Military Science.





GENERAL POLICIES

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

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

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

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

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

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

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

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

ADVANTAGES OF NEW MEXICO MILITARY INSTITUTE

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

1. The Institute is a boarding school, well supervised twenty-four hours a day and restricted in enrollment. Every cadet is an individual and is recognized as such.

2. The military system of the school encourages physical as well as mental development. Physical development is also furthered by compulsory athletics.

3. Mental growth is assisted by a system of instruction approved by the North Central Association of Colleges and Secondary Schools. Institute credits are universally accepted for transfer.

4. Roswell, in a dry region at an altitude of 3,600 feet, has an ideal climate. Out-of-door activities are engaged in throughout the year, for few days lack sunshine.

5. The military system is carefully designed to foster the development of manliness and an individual sense of responsibility, with particular emphasis placed on the development of leadership.

6. Graduates of the Institute who have been in attendance four years usually complete the military requirements for commissions in the Army Reserve forces and need not take further military courses and training while attending senior colleges.

7. The cadet lives under the cadet honor system, which is administered by the cadets in such a fashion as to emphasize the importance of honor and personal integrity.

8. Careful attention is given to the spiritual side of life through the cadet chapels and through many Roswell church groups. Religious clubs are encouraged, and the Chaplain of the Corps is available for counsel.

9. Expenses are reasonable: The fees in this catalog include in-

struction, infirmary, board, room, laundry, uniforms, books, activities, and spending money. (See Fees and Expenses.)

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

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

AIMS

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

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

3. To provide a sound basis for further education.

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

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

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

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

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

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

10. To emphasize man's dependence on God.



ABOUT THE INSTITUTE



LOCATION AND CLIMATE

Roswell is an attractive city of about 40,000 people. It lies in the broad upland valley of the Pecos River. It is a center for oil, livestock, and farming interests and has attracted residents from all sections of the United States.

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

The climate is almost ideal. The air is pure and dry; the nights and mornings are cool and bracing; the days are warm and bright. Outdoor games are possible throughout the year; it is rarely necessary to omit military exercises because of the weather.

BUILDINGS AND GROUNDS

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

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

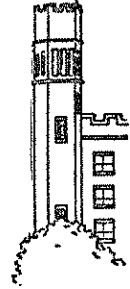
features reveal purposes of the Institute: to educate and discipline young Americans.

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

LIVING AND ADMINISTRATIVE FACILITIES

The Corps of Cadets lives in Hagerman Barracks and Saunders Barracks, in quarters well-lighted and heated and cross ventilated. The rooms, designed to have two cadets each, are adequately furnished. Additions to Saunders Barracks will be built in the near future, bringing the total capacity of the Institute to 1400 cadets.

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



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

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

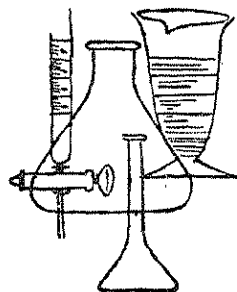
In the east wing of Lusk Hall are the administrative offices of the Institute. Offices of the Superintendent, Alumni Secretary, and Public Relations Officer are on the second floor while the main floor

houses the Business, Admissions and Registrar offices. The Dean's office is in Lea Hall. The tower of Lusk Hall houses Saunders Memorial Carillon Chimes.

ACADEMIC FACILITIES

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

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



THE LIBRARY

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

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

RECREATIONAL AND ATHLETIC FACILITIES

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

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

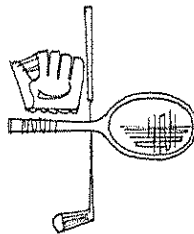
The resources of the Library are available to cadets for recreational purposes as well as for serious study.

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

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

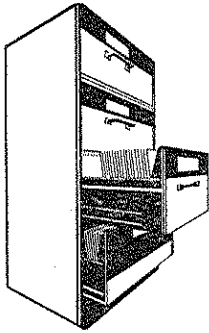
Adjacent to the Parade Ground is an eighteen-hole golf course, complete with golf house. A professional is on hand for instruction. Golf equipment must be kept at the golf house.

Cahoon Gymnasium is one of the largest gymnasiums in the State: the principal room is one hundred feet wide and has space enough for three basketball courts. The gymnasium is completely equipped for indoor athletic classes, boxing, wrestling, and tumbling. It contains dressing and shower rooms for Institute and visiting teams, storage facilities, and offices. The main room of the gymnasium is the scene of the larger cadet dances, such as the annual Final Ball.



ADMISSION REQUIREMENTS AND COSTS

The Institute is a college preparatory school and not a remedial institution either academically or disciplinarily. It is not equipped to convert an academically weak young man into a student qualified to attend college. The Institute does offer high quality instruction in relatively small classes. It does offer a controlled study atmosphere in which all cadets below the First Class (college sophomores) must be in their rooms for two and one-half hours a night, five nights a week. This study period is supervised to the extent that members of the Faculty and Staff stroll around the balcony outside the rooms to be sure the cadets are in a study attitude. They are also available to help in particular study problems. All of the Faculty are willing to spend extra time with an individual cadet at the request of that cadet.



GENERAL REQUIREMENTS FOR ADMISSION

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

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

New applicants are admitted into all classes except the First Class (sophomore year of college). Accepted applicants are placed in classes at the Institute in accordance with the number of solid academic subjects completed at the time of fall matriculation, fol-

lowing the stipulations given under "Class Designation and Promotion."

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

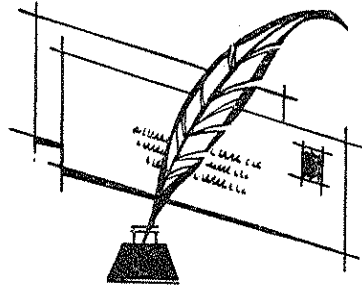
To be admitted into the Fifth Class (corresponding to the sophomore year of high school), the applicant must have completed at least four acceptable units — units that count toward the High School Diploma. English I must be one of the units. No credit is given for work completed in the eighth grade.

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

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

HOW TO APPLY FOR ADMISSION

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



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

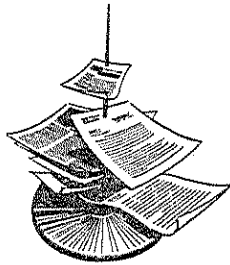
The Medical Examination and Medical History form and an Immunization Record are to be completed by the applicant's physician. The required inoculations, to have been received within three years previous to matriculation are as follows: typhoid and paratyphoid fever, diphtheria, tetanus, poliomyelitis,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

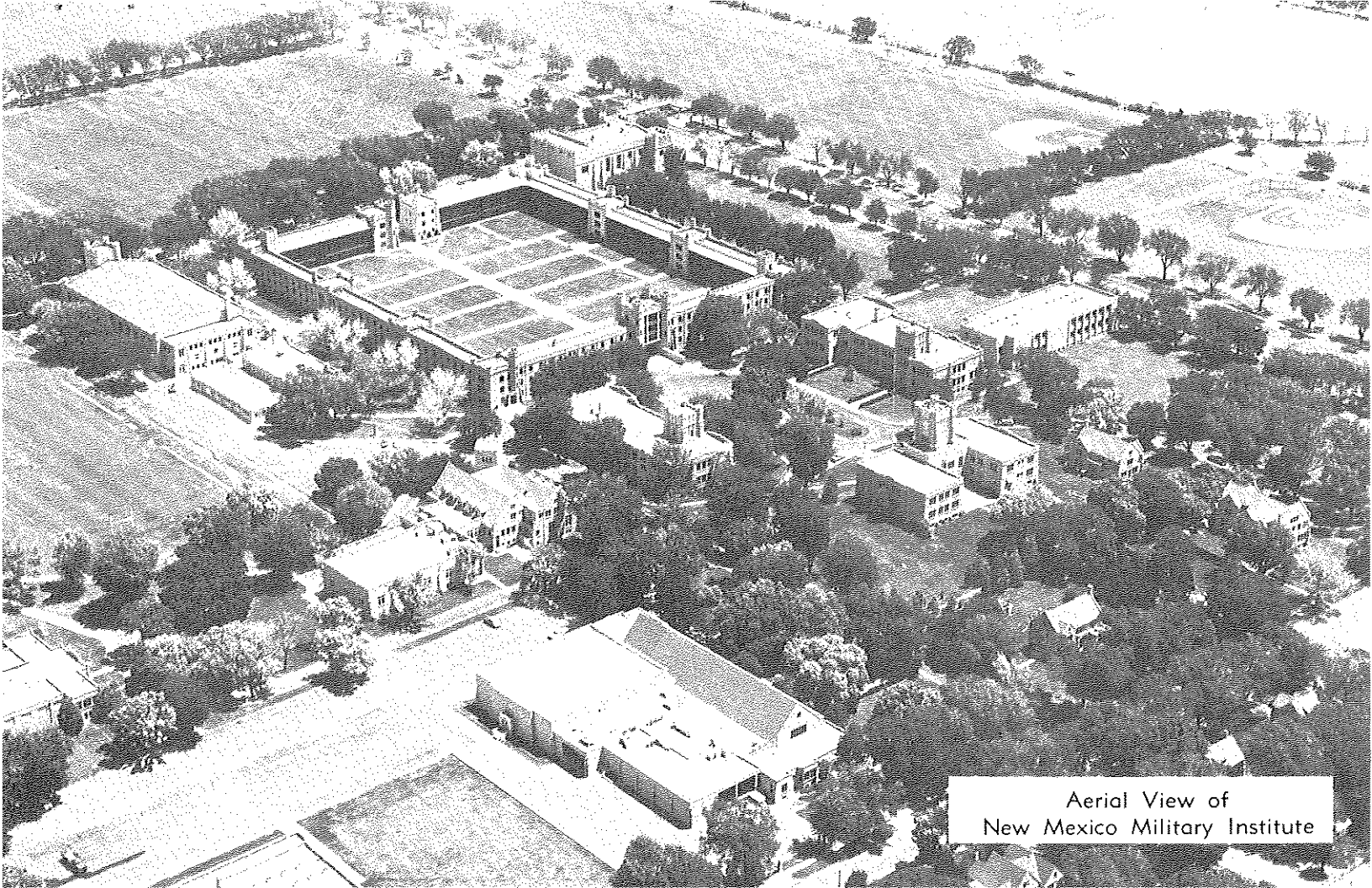
Within approximately two weeks after receipt of the Application and the Certificate of Recommendation, the applicant will be notified: (1) that he has been provisionally accepted, (2) that he has been placed on a waiting list for a possible vacancy, (3) that the Admission Board desired to review his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

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

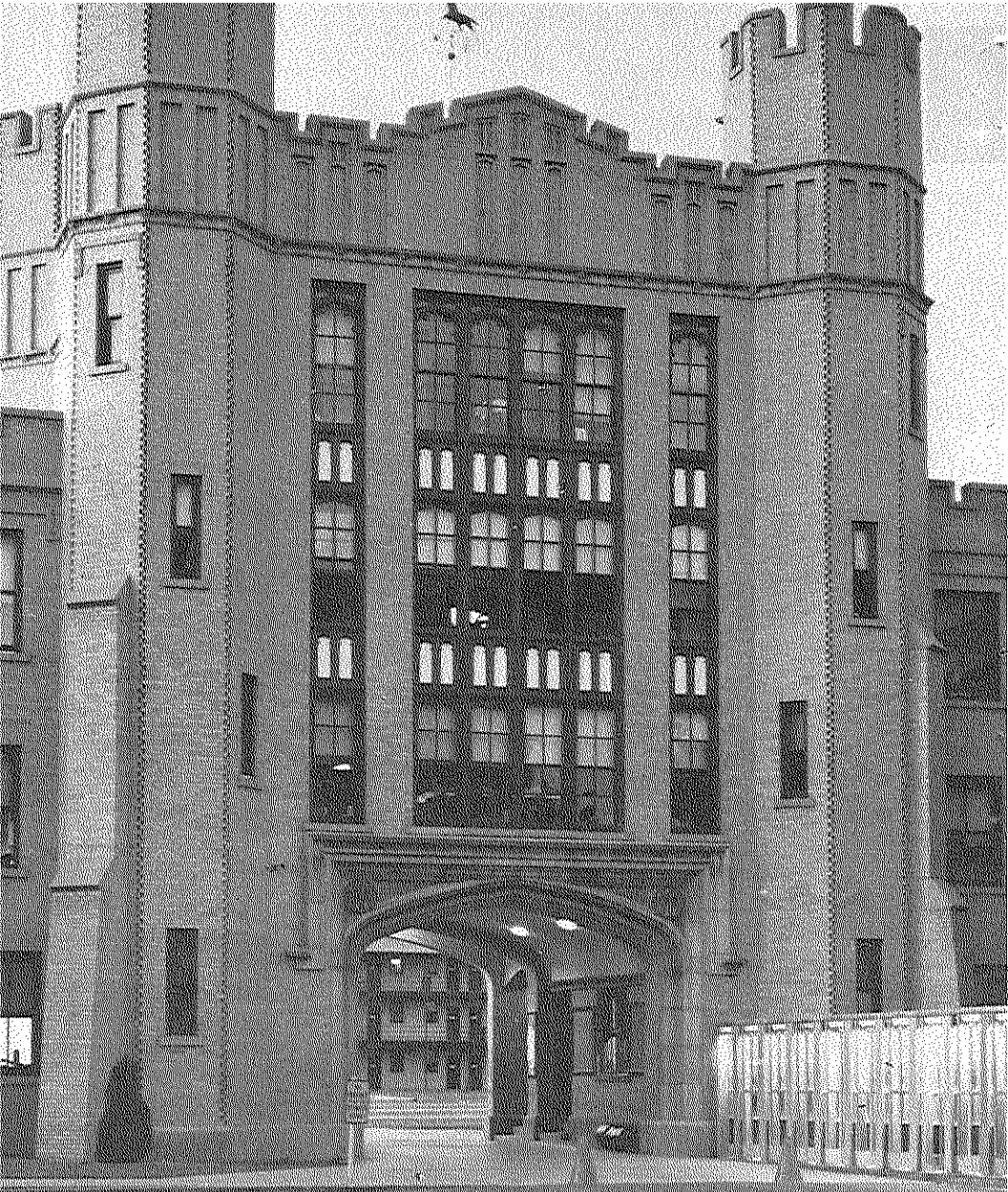
Returning cadets apply for readmission by submitting a signed request for reenrollment, together with an advance deposit of \$100 before a reenrollment application deadline which is announced each spring.

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





Aerial View of
New Mexico Military Institute



Hagerman Barracks

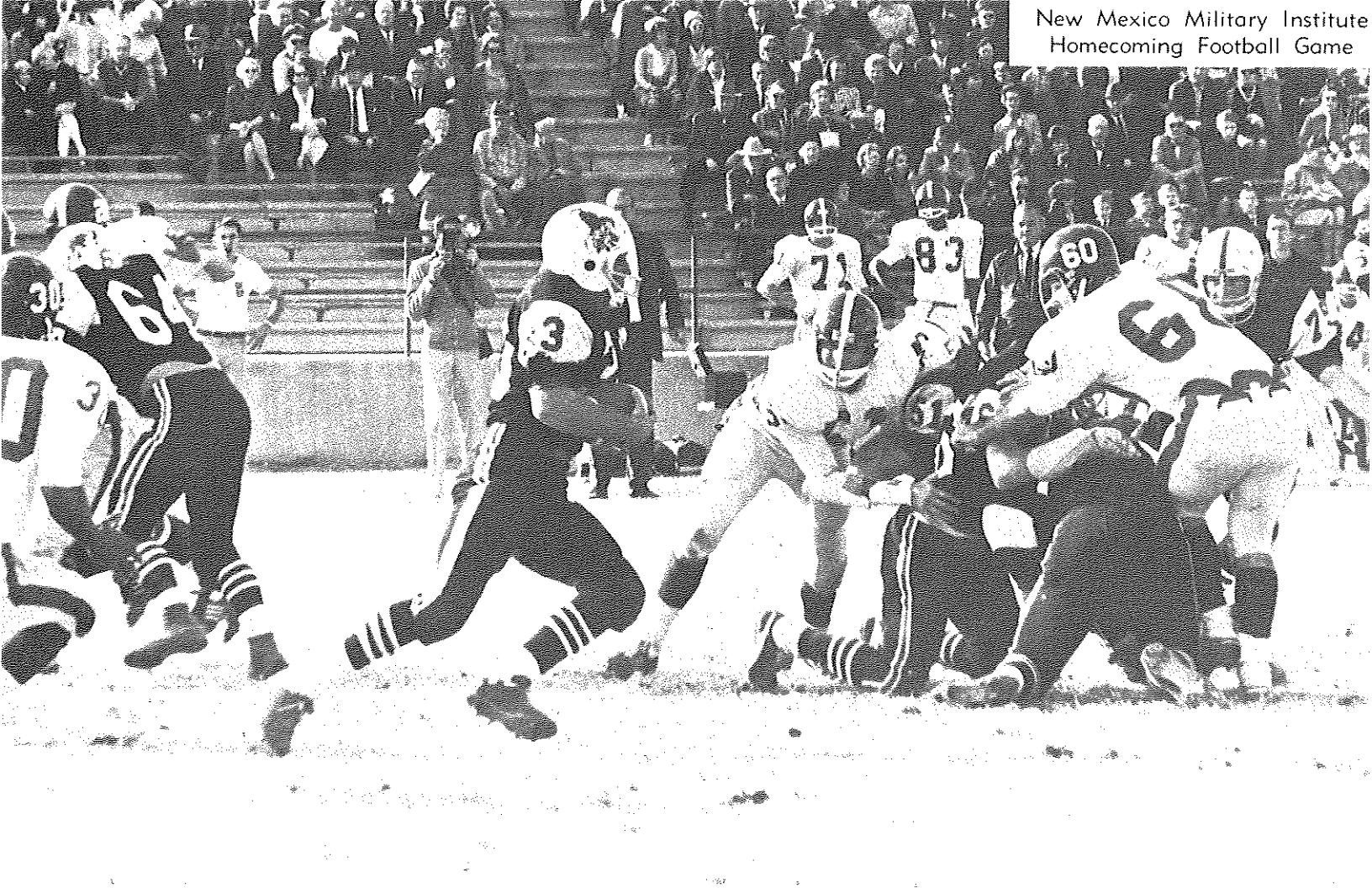


Lusk Hall





New Mexico Military Institute
Homecoming Football Game

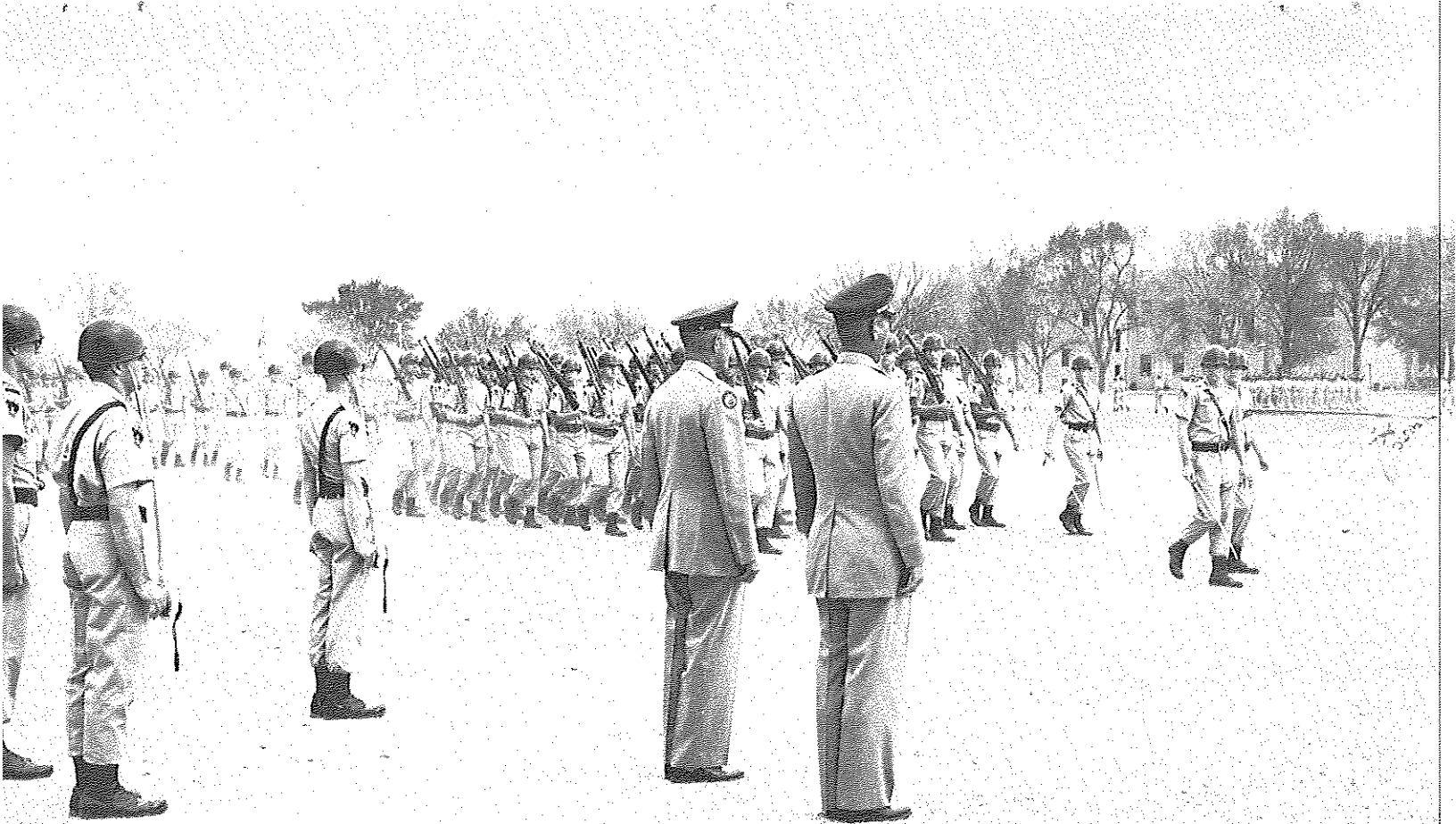




Ballroom Scene

Annual Tug-of-War Competition

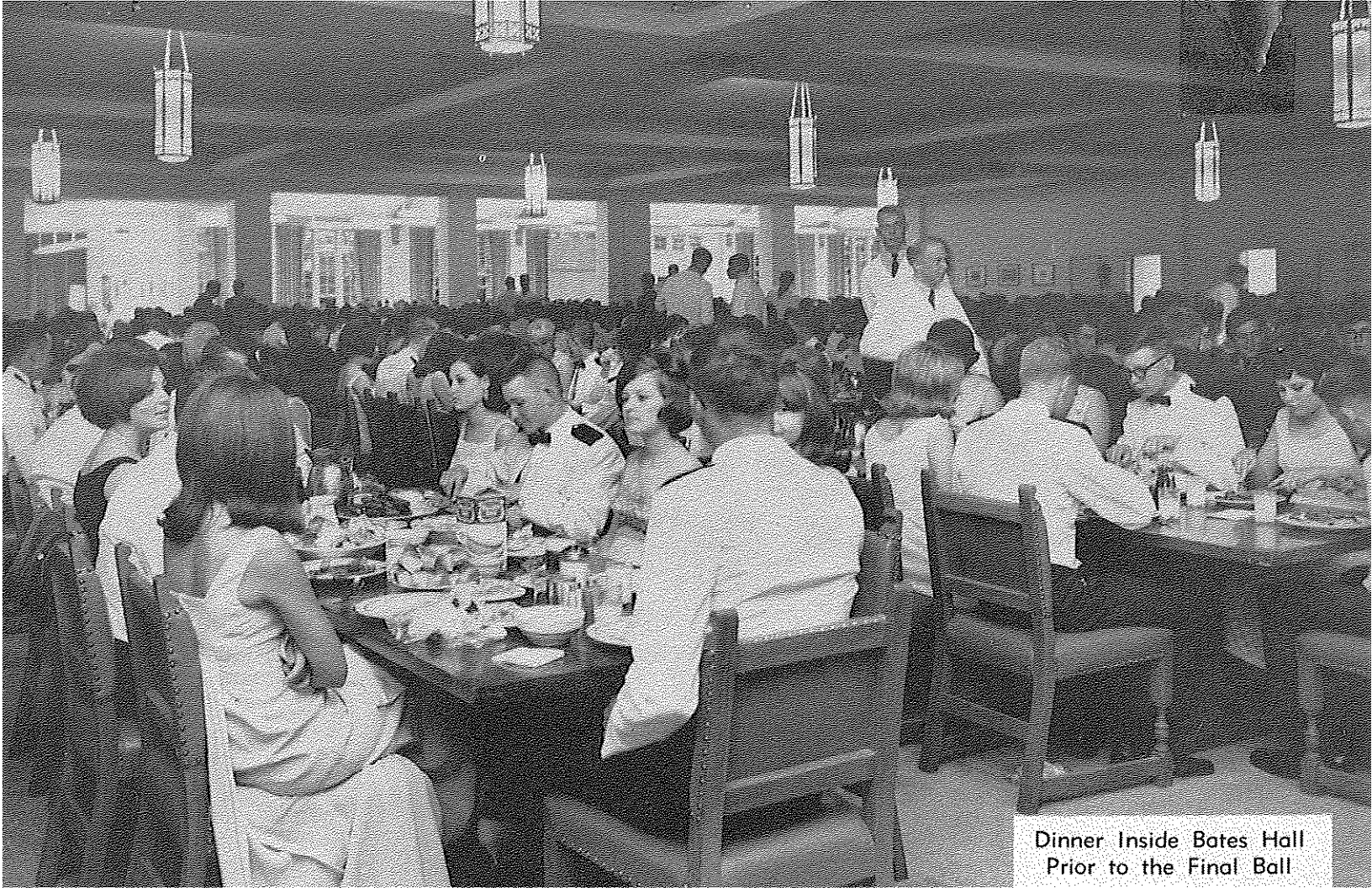




Corps Passes in Review

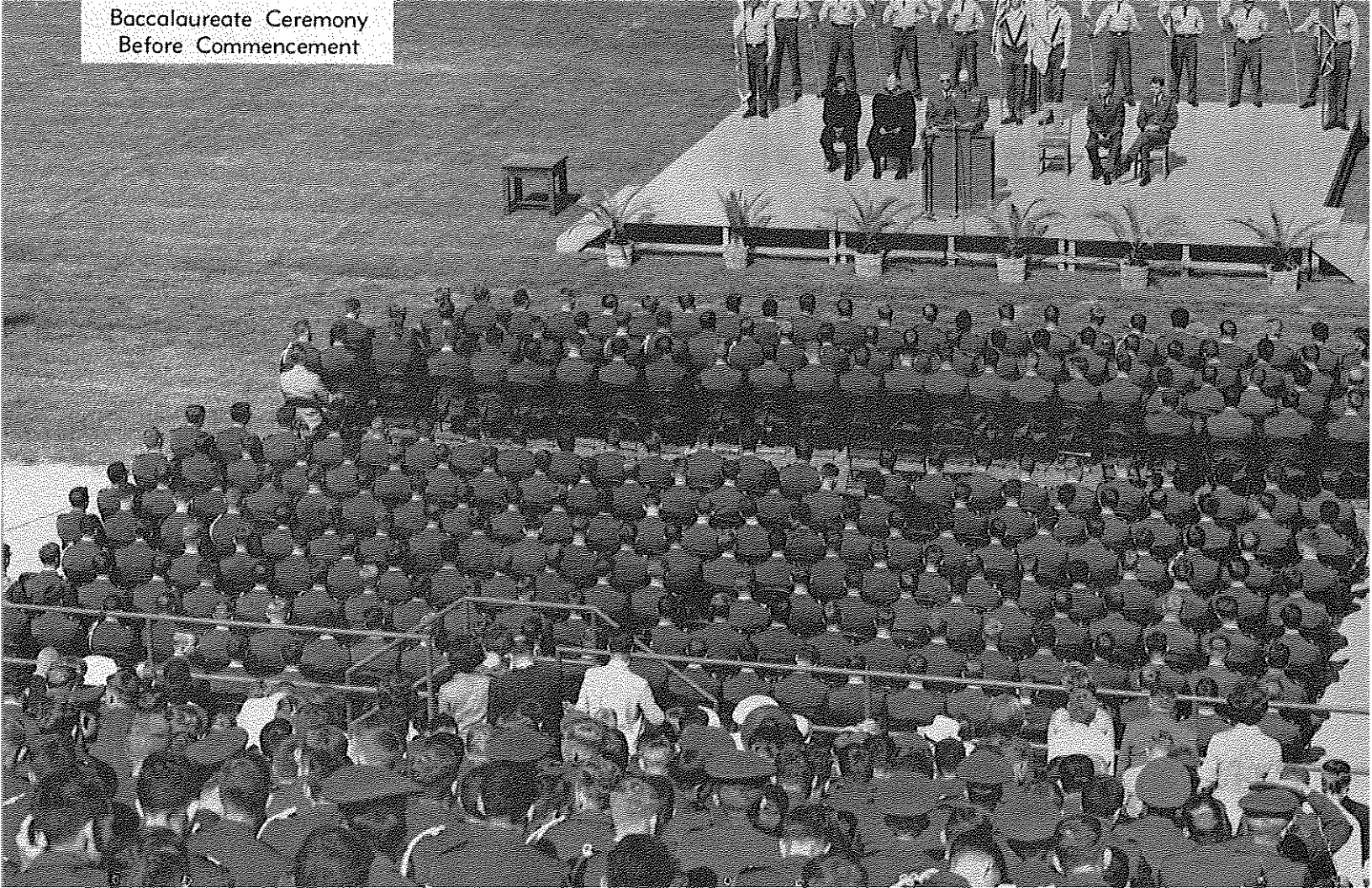


Cadet Rifle Team with Awards



Dinner Inside Bates Hall
Prior to the Final Ball

Baccalaureate Ceremony
Before Commencement



TUITION, FEES AND PERSONAL EXPENSES



In order that all costs and expenses for one year's attendance at N.M.M.I. can be anticipated, a total figure is provided. Thus, the total cost for one year is approximately \$1,648 for a New Mexico resident and \$2,108 for a non-resident. This figure includes not only the cost of academic instruction and all fees, but a deposit for personal expenses as well.

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

SUMMARY OF EXPENSES

	In-State	Out-of-State
Tuition	\$1,000.00	\$1,460.00
Fixed Fees	98.50	98.50
Deposit for personal expense	550.00*	550.00*
	\$1,648.50	\$2,108.50

An application for admission must be accompanied by a deposit of \$100.00, which, upon acceptance, will be credited to the cadet's tuition account. Failure to accept a place reserved except for cause means forfeiture of the deposit. The remainder of the tuition is payable on September 1 for the entire year. A deferred payment plan is available by which 60% of the tuition and fees is due September 1 and the balance January 1.

Tuition, which includes costs for academic instruction, board, lodging, personal laundry, and infirmary, for residents of New Mexico, is \$1,000.00 a year. For students from out-of-state, the sum is \$1,460.00. Each enrollment is based upon a full year's attendance of nine months.

Fixed fees are as follows: Athletic \$20.00, Library \$10.00, Linen service \$34.00, Lyceum and entertainment \$13.00, and group accident insurance \$21.50. Special fees may be required for particular courses such as chemistry and biology, for diplomas, for preparing transcripts of credit, etc. These are charged to the cadet's personal expense account.

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

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

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

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

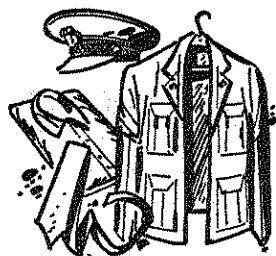
TRANSCRIPTS OF CREDIT

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

FINANCIAL ASSISTANCE

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

CAMPUS LIVING



TYPICAL DAILY SCHEDULE FOR CADETS

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

THE MILITARY SYSTEM

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

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

THE BLUE BOOK

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

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

HONOR SYSTEM

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

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

COUNSELING OF CADETS

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

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

FURLOUGHS

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

A Christmas furlough is granted to the entire Corps of Cadets. For the dates of this furlough, see the Calendar.

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

AUTOMOBILES NOT PERMITTED

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

PERSONAL FIREARMS AND OTHER WEAPONS

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

SOCIAL

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

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

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

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

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

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

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

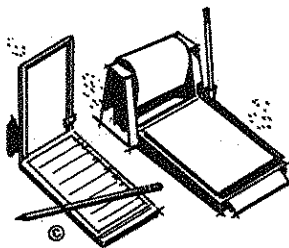
PUBLICATIONS

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

EMPLOYMENT

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

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



ACADEMIC ORIENTATION

THE FACULTY SENATE

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

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

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

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

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

GENERAL ORGANIZATION

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

Academic offerings are grouped into three divisions and ten departments. Division and department heads acting under the Dean

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

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

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

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

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

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

2. Semester hours: A minimum of sixty-eight semester hours is required, no more than twelve of which can be in military science, nor six in music. Credit toward the degree will not be allowed for the completion of half of a sequence (whole-year) course. Credit may be transferred from other accredited schools if the courses are acceptable and if the grades are "C" or better.

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

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

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

REQUIREMENTS FOR THE HIGH SCHOOL DIPLOMA

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

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

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

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

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

Social Science: Two units required, one of which must be United States History. The remaining unit must be selected from United States Government, World History, Geography and Current History, and Sociology.

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

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

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

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

3. Summer work at an accredited school is recognized, but not more than two units may be earned in a single summer for transfer to 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 Admission Board as grounds for refusal to admit a cadet to the Second Class.

The length of time it will take an entering student to satisfy the requirements for the High School Diploma will depend on the number of acceptable units he submits on entrance. An entering Fifth Classman will have three years to accumulate his required

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

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

CLASS DESIGNATION AND PROMOTION

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

To qualify as a Fourth Classman (11th grade), a student must have earned eight acceptable units of credit, exclusive of Military Science and physical education.

To qualify as a Third Classman (12th grade), he must have a total of twelve acceptable units of credit, exclusive of Military Science and physical education.

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

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

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

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

ACADEMIC PROBATION, SUSPENSION, AND DISMISSAL

A college-level cadet shall be placed on academic probation when his grade-point average falls below 1.50 for any academic half-year. If his grade-point average remains below 1.50 for two successive half years, he is subject to suspension for a half year. A Third, Fourth, or Fifth Classman who earns a grade-point average of less than 1.00 for a semester is placed on probation. If his grade-point average remains below 1.00 for two successive half years, he is subject to suspension for a half year. A cadet desiring readmission after suspension must reapply, whereupon the Admissions Board will decide for or against readmission. If readmitted, the cadet is on academic probation until his work justifies a change of status. If academic suspension again becomes necessary, the cadet is granted honorable dismissal.

THE DEAN'S LIST

To gain membership on the Dean's List, a cadet must earn a grade-point average of 3.00 on his entire academic program, Military Schools Training (MST) and Physical Education (PE) included, with no grade falling below C. His program must include a minimum of four academic subjects plus MST and PE on the preparatory level or fifteen semester hours of work on the college level. Additionally, his grade in department must be passing.

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

THE SUPERINTENDENT'S LIST

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

GRADES AND GRADE POINTS

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

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

Grade points are assigned as follows: for A,4; B,3; C,2; D,1; F,0. High school courses, with the exception of MST and PE, are considered of equal value in computing grade point averages. College courses are weighed according to the number of credit hours they carry.



COURSES OFFERED

THE DIVISION OF HUMANITIES

Lieutenant Colonel James W. Branch, Division Chairman

The Department of English

Major Richard G. Limbaugh, Department Chairman

Major Donald M. Cassidy, Captain Kenneth D. Cheney, Captain James V. Hall, Captain Jack Jackson, Captain Raymond O. Lysek, Captain Bruce C. Rhodes, Captain Travis W. Reames, Major Albert E. Scott, Captain James F. Thompson.

Purpose:

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

Courses:

English 2a. Credit: one-half unit.

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

English 2b. Credit: one-half unit.

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

English 3a. Credit: one-half unit.

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

English 3b. Credit: one-half unit.

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

English 4a. Credit: one-half unit.

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

English 4b. Credit: one-half unit.

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

Developmental and Corrective Reading. No credit.

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

Public Speaking. Credit: one-half unit.

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

English 111 — Freshman English. Cr. 3.

Major objective of this course is the writing of clear and correct exposition. Selected essays are read to provide practice in extracting ideas and to furnish models for writing.

English 112 — Freshman English. Cr. 3.

A continuation of English 111. Additional essays, three classical dramas, a unit of poetry, and two novels furnish inspiration and material for further expository writing. Prerequisite: English 111.

English 211 — Advanced Composition. Cr. 3.

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

English 221 — English Literature. Cr. 3.

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

English 222 — English Literature. Cr. 3.

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

English 223 — Public Speaking. Cr. 3.

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

English 231 — Introduction to Drama. Cr. 3.

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

English 232 — Introduction to Shakespeare. Cr. 3.

Ten plays, representing history, comedy, and tragedy. Elizabethan and Jacobean backgrounds. This course is designed for students who will be

completing their English requirements in two years. Students who plan to major or minor in English should take English literature or American literature. Prerequisite: English 111-112.

English 235 — American Literature. Cr. 3.

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

English 236 — American Literature. Cr. 3.

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



The Department of Languages

Major Hector Zamorano, Department Chairman

Captain Barry Konneker, Captain Raymond O. Lysek, Captain Adrian J. Martinez, Captain Bennie A. Padilla, Captain Alex P. Sena.

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 prior to the ninth grade.
- d) No previous courses in the language, register for 1a (high school) or 111 (college).

Language Laboratory:

Each student in high school and 111-112 series college modern languages will have two 55 minute periods in the language laboratory per week. Laboratory fee: \$5.00 per semester.

French Courses

French 1. Credit: One unit

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

French 2. Credit: One unit

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

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

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

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

A sequence course. Tape recorders, audio-visuals, and other media used; stress on pronunciation. Required for French majors. May be taken with French 211-212 with consent of instructor. Two hours per week.

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

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

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

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

German 2. Credit: one unit.

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

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

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

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

A sequence course. Tape 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. Credit 3-3.

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

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

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

Spanish 2. Credit: one unit.

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

Spanish 3. Credit: one unit.

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

Spanish 4. Credit: one unit.

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

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

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

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

A sequence course. A modern laboratory and other media aid the student in aural-oral drill. Concurrent with Spanish 111-112.

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

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

Spanish 231 —

Introduction to Peninsular Spanish literature. Conducted in Spanish. History, culture, chief authors, literary movements, and trends. Prerequisite: Sp. 211-212 or placement test.

Spanish 232 —

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

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

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

Latin 2. Credit: one unit.

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

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

The Department of Fine Arts

Captain Roger B. Rush, Department Chairman

Purpose:

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

Note: Only one unit of music credit is applicable to requirements for the high school diploma. No more than six hours of credit will apply to requirements for the Associate in Arts degree.

Courses:

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

Elective only. A sequence course.

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

Elective only. A sequence course.

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

Elective only. A sequence course.

Music 4 — Choir. Credit: one-third unit.

Elective only. A sequence course.

Music 101 — Band. Credit: one semester hour.

First semester only; marching band.

Includes performances at inter-collegiate football games.

Music 102 — Band. Credit: one semester hour.

Second semester only; concert band.

Reading old and new original compositions for band, plus two concerts for the semester. Prerequisite: 101 and permission of director.

Music 201 — Band. Credit: one semester hour.

A continuation of Music 101-102.

Music 202 — Band. Credit: one semester hour.

Continuation of Music 201.

Music 103-104 — Choir. Credit: one semester hour

A sequence course.

Music 203-204 — Choir. Credit: one semester hour.

A sequence course.

Music 108 — Fundamentals of Music. Credit: one semester hour.

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

Music 111 — Music Appreciation. Credit: one semester hour.

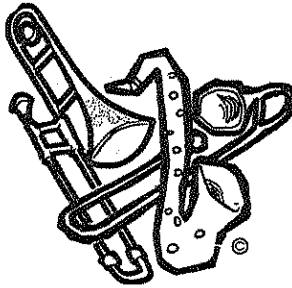
A study of early, pre-renaissance, renaissance, baroque, rococo, and classical periods in music. Instruments of the orchestra are studied and demonstrated to increase the listener's knowledge and appreciation of orchestral music. No previous knowledge of music is required. Course is designed to train students in listening to serious music and understanding the style of music.

Music 112 — Music Appreciation. Credit: one semester hour.

Continuation of Music 111, beginning with the Romantic period and including the post-Romantic, nationalistic, neo-classic, and contemporary periods; evolution of jazz and popular music, plus electronic music of the future. Prerequisite: Music 111 is preferred; or approval of department head.

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

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



THE DIVISION OF NATURAL SCIENCES AND MATHEMATICS

Lieutenant Colonel William C. Roudebush, Division Chairman

The Department of Biology

Major William F. Harris, Department Chairman

Captain James A. Caley, Captain Joseph D. Graham, Captain
Allen J. Lovelace.

Purpose:

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

Courses:

Biology 1. Credit: one unit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Department of Chemistry

Colonel G. Seth Orell, Department Chairman

Major Thomas W. Barnett, Captain B. R. Holmes, Captain J. J. Jenkins, Captain Glen D. McDonald.

Purpose:

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

Courses:**Chemistry. Credit: one unit.**

A sequence course. The fundamentals of chemistry; atomic structure, Periodic Table, and chemical bonding. Use of atomic orbital board and atomic models. The mathematics of elementary chemistry stressed. Introduction to the use of the slide rule. The study of ionization and the several families of the elements. A short time is spent on nuclear re-

actions and the elements of organic chemistry. Careful attention is given to teaching and learning aids. Laboratory fee: \$5.00 per semester.

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

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

Chemistry 113-114 — Inorganic Chemistry and Qualitative Analysis.

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

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

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

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

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

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

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

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

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

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

The Department of Mathematics

Lieutenant Colonel Fred A. Miller, Department Chairman

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

Purpose:

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

Courses:**General Math a. Credit: one-half unit.**

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

General Math b. Credit: one-half unit.

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

Algebra 1. Credit: one unit.

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

Algebra 2. Credit: one unit.

A sequence course. Review of first year algebra; numerical and literal quadratic equations; exponents and radicals; logarithms; use of logarithmic tables in the solution of right triangles; arithmetic and geometric series; the binomial theorem. Prerequisite: Algebra 1. (Algebra 2 is the equivalent of Mathematics A2, Quadratics and beyond, as designated by the College Entrance Examination Board.)

Geometry. Credit: one unit.

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

Plane Trigonometry. Credit: one-half unit.

Functions of acute angles, logarithms, solution of right triangles, graphing of functions, identities, general triangles, applications of trigonometry to algebra. Stress on applied problems. Prerequisite: Algebra 2.

Mechanical Drawing. Credit: one unit.

A sequence course. Use of instruments, lettering plates, geometrical

construction, drawing conventions, orthographic and isometric projections, oblique projections, free hand sketching, detail and assembly drawings, development, and blueprint. Five regular periods a week. Laboratory fee: \$5.00 per semester.

Modern Geometry a. Sem. 1. Credit: one-half unit.

An honors type geometry course; sets and definitions; inductive and deductive reasoning; basic symbolic logic; angles; parallels; congruency; similarity; and basic trigonometric concepts. Prerequisites: Alg. 1a and 1b, consent of instructor.

Modern Geometry b. Sem. 2. Credit: one-half unit.

A continuation of modern geometry A; circles; arcs; angles in circles; constructions; locus; coordinate geometry methods; coordinate geometry proofs; mensuration formulae for areas and volumes of polygons, circles, and solids. Prerequisite: Modern Geometry a.

Algebra and Trigonometry. Credit: one unit.

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

College Preparatory Mathematics. Credit: one unit.

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

Mathematics 111 — Intermediate Algebra. Cr. 3.

Signed numbers, addition and subtraction, multiplication, division; equations and stated problems; factoring; fractions; equations of the first degree in the unknown; exponents, roots, and radicals; graphs; quadratic equations; ratio and variation; the binomial theorem.

Mathematics 113 — College Algebra. Cr. 3.

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

Mathematics 116 — Engineering College Algebra. Cr. 3.

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

Mathematics 117 — Trigonometry. Cr. 3.

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

Mathematics 118 — Analytic Geometry. Cr. 3.

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

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

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

Mathematics 126 — Mathematics of Finance. Cr. 3.

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

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

Measurements of distance, direction, and angles. Use of the tape, compass, transit, level, and plane table in the field. Methods of field work. Recording of data. Calculation of closed traverses and land areas. Contours, lines, grades, and curves. Cross sections, volumes, and computation of earthwork. Plotting and finishing maps. The United States system of surveying the public lands. Selected topics from aerial surveying and hydrographic surveying. Prerequisites: trigonometry, graphics, and consent of the instructor.

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

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

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

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

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

Graphical method of solving solid (or space) analytic geometry prob-

lems. It is valuable in solving many engineering, science, and architecture problems and a very useful tool in engineering research and development. Prerequisite: Mathematics 143. Laboratory fee: \$5.00.

Mathematics 171—Basic Computer Programming. Sem. 1 or 2 (2 sem. hrs.).

Introduction to the digital computer; flowcharting techniques; basic Fortran II and IV; Newton's Method; statistics program; series approximation program; subprograms; business problems; other problems of interest. Course requires student to write several programs which are run on an IBM 360 computer, Prerequisite: Alg. 2, or Math. 111, or equivalent.

Mathematics 172 — Advanced Computer Programming. Sem. 2 (2 sem. hrs.).

Machine language (base 10 and base 2); assembly languages; loaders; Fortran equivalents in machine language; problems in conversion from base 2 to base 10; Round-off; Integer Arithmetic; Business applications and problems of interest. Prerequisite: Math 171 or equivalent.

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

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

The Department of Physics

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

Purpose:

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

The college physics courses are aimed at a rigorous presentation of ideas of general physics for students of science, engineering, pre-medicine, and liberal arts. The major objectives of these courses is to give the students a precise understanding of the methodology and development of the great generalization of physics, rather than mere memorization of facts, laws, and formulas.

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

Courses:

Physics. Credit: one unit.

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

Physics 106 — Engineering Orientation. Cr. 1.

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

Physics 107 — Engineering Problems. Cr. 2.

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

Physics 108 — Science Problems. Cr. 2 (1+2L).

A course designed to show the student how to solve science problems by an analytical and systematic approach rather than the case method. Problem solving by use of a few basic principles of mathematics, logic, and dimensional analysis is emphasized.

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

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

Physics 121 — Physical Meteorology. Cr. 2.

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

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

The course is a review of the laws of mechanics, heat, light, and electricity as applied to particles. This is followed by a study of radiations,

radioactivity, the atom, and the nucleus. Particle accelerators, reactors and nuclear energy are also considered. Prerequisite: Physics 111, Chemistry 111, or an equivalent.

Physics 151 — Elements of Electricity. Cr. 3.

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

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

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

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

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

Geology

Purpose:

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

Courses:

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

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

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

Evolution of the earth and its inhabitants, with special reference to North America. Introductory study of fossils, including laboratory exer-

cises on fossils found on field excursions into Permian, Jurassic, Triassic, and Cretaceous areas of New Mexico. Prerequisite: Geology 111. Laboratory fee: \$5.00.

Geology 211 — Mineralogy, Crystallography, and Blowpipe Analysis.

Cr. 4 (2+6L).

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

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

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



THE DIVISION OF SOCIAL SCIENCE AND BUSINESS ADMINISTRATION

Lieutenant Colonel Edward M. Praisner, Division Chairman

The Department of Social Studies

Major Eugene F. McGuire, Department Chairman

Captain Robert C. Bell, Captain Albert B. Campbell, Colonel Roy W. Cole, Captain John H. Eddy, Captain J. R. James, Lieutenant (jg) Elmer G. Raborn.

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:

World History a. Credit: one-half unit.

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

World History b. Credit: one-half unit.

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

American History a. Credit: one-half unit.

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

American History b. Credit: one-half unit.

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

**American History a(H) (Honors) and American History b(H) (Honors)
Credit: One-half unit each.**

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

History 101 — Development of Civilization. Cr. 3.

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

History 102 — Development of Civilization. Cr. 3.

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

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

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

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

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

Government Courses:**American Government. Credit: one-half unit.**

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

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

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

Government 214 — Comparative Government. Cr. 3.

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

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

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

Economics 211 — Principles and Problems. Cr. 3.

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

Economics 212 — Principles and Problems. Cr. 3.

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

Psychology Courses:**Psychology 211 — General Psychology. Cr. 3.**

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

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

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

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

A comprehensive study of the physical and political geography of the world today, focusing attention upon areas in conflict and contention on the international scene. Prerequisite: Third or Fourth Class Standing.

Geography 109 — Physical Geography. Cr. 3.

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

Geography 111 — Economic Geography. Cr. 3.

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

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

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

Philosophy 112 — Introduction to Logic. Cr. 3.

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

Sociology Courses:

Sociology. Credit: one-half unit.

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

Sociology 201. — Cr. 3.

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

The Department of Business Administration

Major Howard G. Murphy, Department Chairman

Major Donald L. Neelen, Major Eugene F. McGuire

Purpose:

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

Courses:

Bookkeeping. Credit: one unit.

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

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

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

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

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

Business Administration 101 — Typing. Cr. 2.

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

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

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

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

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

Business Administration 211 — Elementary Accounting. Cr. 4.

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

Business Administration 212 — Elementary Accounting. Cr. 4.

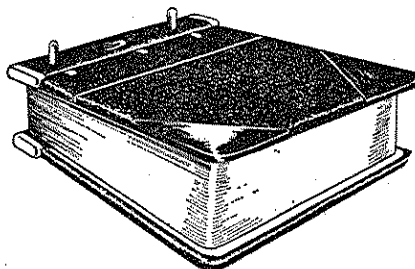
Major emphasis on partnerships and corporations, and accounting problems incident thereto. Cost accounting and manufacturing accounting, branch problems and department accounting procedures. Voucher system, balance sheets, statements of profit and loss. Analysis of financial statements. Prerequisite: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

Business Administration 223 — Business Writing. Cr. 3.

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

Business Administration 224 — Business Statistics. Cr. 3.

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



THE DEPARTMENT OF PHYSICAL EDUCATION

Major Marshall Brown, Department Chairman

Captain Don L. Cleman, Captain Charles R. Clausen, Captain Robert F. Dennis, Captain Richard P. Estergard, Captain John L. Higdon, Captain Glen Wiley Markham, Captain Charles F. Randall, Captain John R. Ussery.

Purpose:

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

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

Courses:

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

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

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

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

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

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

P.E. 101. Cr. 1.

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

P.E. 102. Cr. 1.

Continuation of P.E. 101.

P.E. 201—Cr. 1.

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

P.E. 202. Cr. 1.

Continuation of P.E. 201.

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

THE DEPARTMENT OF MILITARY SCIENCE

Colonel Eben R. Wyles, Armor, Professor of Military Science

Major Joseph D. Posz, Armor, Assistant Professor of Military Science

Major Tom L. Lindholm, Armor, Assistant Professor
of Military Science

Captain William J. Jones, Jr., Infantry, Assistant Professor
of Military Science

Captain James C. Patterson, Armor, Assistant Professor
of Military Science

Sergeant Major Vernon Bass, Infantry, Chief Instructor
of Military Science

Master Sergeant John L. Fortner, Infantry, Instructor
of Military Science

First Sergeant Harold E. O'Neil, Armor, Instructor of Military Science

Sergeant First Class Ellis R. Brewington, Armor, Instructor
of Military Science

Staff Sergeant A. E. Kirker, Artillery, Instructor of Military Science

Staff Sergeant Donald M. Villemarette, Infantry, Instructor
of Military Science

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 General Inspection conducted by the Department of the Army.

Objective

The objective of the ROTC Program at New Mexico Military Institute is threefold:

a. To contribute to the accomplishment of the Institute objectives, with particular reference to the development of self discipline, responsibility, and leadership.

b. To train and prepare cadets so as to enable them to serve their military obligation with honor and distinction.

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

Scope

The Reserve Officers Training Corps program (ROTC) at NMMI is that prescribed for Military Junior Colleges by the Department of the Army. It is a terminal program, providing all the requirements leading to a commission as a Second Lieutenant in the Army Reserve. Cadets receive credits in Military Science which are fully transferable to Senior Division Army ROTC programs at four-year colleges and universities.

It should be pointed out that, under current Department of the Army policy, cadets formally enrolled on a contract status and who complete the entire ROTC program at NMMI are eligible for immediate commissioning in the Army Reserve if they so desire (see Requirements for Commissioning as a Second Lieutenant in the Army Reserve).

Requirements for Enrollment in the ROTC Program

As a general policy, all cadets at NMMI are required to participate in the ROTC Program. Exceptions will be made only with the approval of the Superintendent. Cadets enrolling at mid-year will not be enrolled in the ROTC program until the following September; however, they will participate in drill, ceremonies, and field training with their cadet companies.

a. Basic Course ROTC (MT 1-4): For participation in the Basic Course, a cadet must be a citizen of the United States and physically able to partake of marches and field training. Non-citizens may also take the program with the approval of their national embassy in Washington.

b. Advanced Course ROTC (MST 5 and 6): All college level students who have completed MT 1-4 are required to take MST 5 and 6.

Requirements for Enrollment on a Contract Status

a. Be enrolled in the Advanced Course.

b. Be a citizen of the United States and sign a contract with the United States Army which requires the cadet to enlist in the

U. S. Army Reserve, agree to complete the ROTC program, accept a commission, and serve two years on active duty.

c. Have a 2.00 GPA in academic subjects and maintain at least a "C" average in Military Science.

d. Achieve a passing score (115) on the U. S. Army's General Screening Test (GST).

e. Be of good moral character, have demonstrated leadership potential, and pass a qualifying physical examination.

f. Receive a favorable recommendation from the Dean and the Commandant of Cadets.

Pay and Allowances

Only those cadets enrolled in the Advanced Course and under contract to the United States Army receive pay and allowances as follows:

a. *Uniform Allowance — \$100.00.

b. *Retainer Pay — \$40.00 per month.

c. *Travel Pay to Summer Camp — six cents per mile.

d. Pay at Summer Camp — equal to one half the base pay of a Second Lieutenant of the U. S. Army (NMMI cadets attend the ROTC Summer Camp at Fort Sill, Oklahoma).

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

The Two Year ROTC Program

Under a newly adopted program, new cadets who enter NMMI as Third Classmen and are qualified for an ROTC contract, may attend the Army ROTC Basic Summer Camp and receive credit for that portion of the Basic Course which they have not taken on-campus. Upon returning to NMMI the following September, they enroll as contract cadets in MST 5. This program also applies to high school seniors who plan to enroll at NMMI as new cadet Second Classmen. Additional information concerning this program may be obtained from the Professor of Military Science.

Requirements for Commissioning as a Second Lieutenant in the Army Reserve

As stated earlier, all contract cadets are eligible for commissioning in the U. S. Army Reserve; basically, this requires successful

completion of the entire ROTC program to include attendance at the ROTC Advanced Summer Camp which is of six weeks duration. Contract cadets who complete the entire ROTC program at NMMI are eligible for commissioning upon graduation from the Institute if they so desire. Should they prefer to continue their education and obtain their baccalaureate degree, they will receive a two year delay in call to active duty for this purpose; additional delays must be approved by Headquarters, Fourth United States Army.

Commission in the Regular Army

Contract cadets who are in the upper half of their academic class, the upper third of their military class, and possess the required outstanding traits of leadership, character, and general military aptitude, may be designated Distinguished Military Students (DMS). Those cadets so designated, and who retain this rating until they obtain their baccalaureate degree, are designated Distinguished Military Graduates (DMG) and are eligible to apply for commissioning as a Second Lieutenant in the Regular Army rather than the Army Reserve.

Two-Year Army ROTC Scholarship

At present, the Military Department has authority to award one two-year Army ROTC scholarship to a deserving cadet each year. The scholarship, for which competition is open to Third Classmen who will return the following September and be eligible to enroll as a Second Classman in MST 5, provides payment of \$50.00 monthly retainer pay (instead of the normal \$40.00), and payment of all tuition, book, and lab fee expenses for a two year period. The cadet receiving this scholarship must sign a contract in which he agrees to serve on active duty for a period of four years and accept a commission in the Army Reserve or Regular Army, whichever is offered. Details of this program may be obtained from the Professor of Military Science.

Transfer to Navy and Air Force ROTC Programs

The Air Force will give constructive credit for the Basic Course portion of the Army ROTC program; however, the Air Force normally will not give credit for any portion of the Advanced Course of the Army ROTC program.

It is pointed out that any cadet under contract to the Army ROTC program normally will not be permitted to transfer to the Air Force ROTC program.

The Navy gives no credit for any portion of the Army ROTC program.

Honor Military School Appointments to Service Academies

Since NMMI is an Honor Military School, it is authorized to nominate three cadets who can compete for nominations to the U. S. Military Academy (West Point), the U. S. Naval Academy (Annapolis), and the U. S. Air Force Academy (Colorado Springs). To qualify for selection, a cadet must or will be a graduate of our high school or junior college program, and meet the admissions criteria of the individual academies. Thus, First and Third Classmen, as well as Second Classmen who graduated from the NMMI high school division, are eligible.

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

Selective Service Department

The Military Science Department can provide selective service (draft) deferments only to those Advanced Course cadets who are under contract to the U. S. Army. All contract cadets will receive a military deferment (class 1D) from the time they are contracted until they are commissioned and called to active duty. This deferment is renewed annually by the Military Science Department.

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

ROTC Curriculum

At the present time, there is a proposal to place our Military Science program under Senior Division ROTC, the same as at four

colleges and universities. This proposal is currently being studied by the Department of Defense for final approval. Should it be approved, it is expected that it will go into effect for the 1967/1968 school year. Under this proposal, the following changes in the curriculum shown below will be made:

a. MT 1, MT 2, and MT 1&2 will be redesignated MS I and will be given to all new cadets who are Fourth Class and above.

b. MT 3&4 will be redesignated MS II and be mandatory for all cadets successfully completing MS I.

c. MST 5 will be redesignated MS III and be mandatory for all college level cadets who have successfully completed MS II.

d. MST 6 will be redesignated MS IV and be mandatory for all college level cadets who have successfully completed MS III.

e. Fifth Classmen will not take formal military instruction, but will participate in drill, ceremonies, and field training with their cadet companies.

BASIC COURSE — Military Training (MT):

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

MT 1. Credit: one-half unit.

Military customs and courtesies, care of individual equipment, hygiene and first aid, weapons, marksmanship, organization of the Army and ROTC, and small unit tactics. Required of all entering Fifth Classmen with no transferable credits for prior training.

MT 2. Credit: one-half unit.

Achievements and traditions of the Army, weapons, marksmanship, field sanitation, elementary communications, and small unit tactics. Required of all new cadets of the Third and Fourth Classes who have transferable credit for MT 1 and for all Fourth Classmen second year cadets who have successfully completed MT 1.

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

Same as for MT 1 and MT 2 combined; an accredited compressed course which is the equivalent of MS I at the senior college level. Required of all new cadets entering the Fourth, Third, or Second Classes with no transferable credits for prior training.

MT 3&4. Credit: 4, whether taken at high school or college level.

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

ADVANCED COURSE — Military Schools Training (MST):

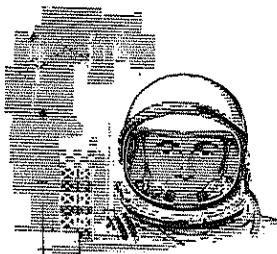
Advanced Course training is limited to cadets enrolled as college students. Successful completion of the entire Basic Course program is a prerequisite. Formal enrollment is on an ROTC contract basis as previously discussed.

MST 5. Credit: 6.

Leadership, weapons and gunnery, logistics, communications, U.S. Army and national security, branches of the Army, small unit tactics, counterinsurgency, new developments (orientation), and nuclear warfare (orientation). Required of all cadets who have successfully completed MT 3&4 or its equivalent.

MST 6. Credit: 6.

Operations, military justice, Army administration, small unit tactics, new developments, 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.

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

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

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

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

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

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

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

SCHOLARSHIPS

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

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

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

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

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

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

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

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

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

The Willie Morrison Memorial Scholarship, value \$200, is awarded on the basis of general excellence in school activities and scholastic aptitude in the field of mathematics, and is open to a

member of the Third Class who wishes to continue his education at the Institute.

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

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

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

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

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

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

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

The ROTC Scholarship is a two year full tuition award made by the United States Army. To be eligible for consideration a cadet must be a citizen of the United States, be physically qualified, have

successfully completed all requirements of the Basic Course ROTC, be less than twenty-three years old, and be willing to accept an ROTC Contract. Only one such award will be made annually.

AWARDS

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

The Hugh Fink Award is a brief case, presented 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. This is an anonymous gift.

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

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

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

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

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

compete in this formal weekly competition. Members of the H. P. Saunders family now present four trophies in lieu of the four medals.

The Ruppert Award was provided by Max K. Ruppert, '18, of Chicago, in order to increase interest in public speaking. It is an annual prize to the member of the College Division who shows the most proficiency in the composition and delivery of an original address. Beginning with 1946, a second prize was added. The winners are selected through a series of speeches made before the class in public speaking and the entire cadet regiment.

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

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

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

Captain Charles F. Ward, Jr., Memorial Trophy is presented to the cadet who wins annual Military Stakes contest conducted by the Military Department for MST 5 cadets enrolled in the ROTC program. It was established by Colonel Charles F. Ward, Superintendent Emeritus of NMML, and Mrs. Ward as a memorial to their son, Captain Charles F. Ward, Jr., '49, who was killed in Germany, March 21, 1959, in the performance of duty as a United States Army aviator.

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

INSTITUTE HISTORY

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

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

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

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

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

Colonel D. C. Pearson, successor to Colonel Troutman, brought to the task familiarity with the school spirit and traditions, gained through more than a decade in her service. He brought, too, a

OFFICERS OF ADMINISTRATION

Board of Regents

His Excellency, the Honorable David F. Cargo
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 F. Glover	Mr. Frank O. Elliott
Mr. Richard F. Mather	

Officers of the Board

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

Mr. John L. Rust, *Vice President*

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

Administrative Staff

(Dates indicate the beginning of Institute service)

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

Colonel C. Ned Vaughan, USA (Ret), A. A., New Mexico Military Institute; A. B. in S. S. C., Cumberland; *Commandant of Cadets*; 1940-42, 1945-1946, 1965.

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

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

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

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

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

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

Major Marshall Brown, B. S., M. A., University of Alabama; *Director of Athletics*; 1958.

Lieutenant Colonel Frederick E. Hunt, New Mexico Military Institute; *Secretary New Mexico Military Institute Alumni Association*; 1934.

Lieutenant Colonel Stuart M. Pritchard, United States Air Force (Ret), *Public Relation Officer*; 1967.



ACADEMIC STAFF

- Lieutenant Colonel Kenneth O. Cook, USMCR, B. A., Ouachita College; M. A., George Peabody College for Teachers; Ed. D., North Texas State University; *Dean*; 1963.
- Lieutenant Colonel James W. Branch, B. A., University of Arkansas; M. A., North Texas State University; University of Minnesota; Harvard University; Yale University; *Chairman, Division of Humanities; Supervisor of Fifth Class; Professor of English*; 1944.
- Major Marshall Brown, B. S., M. A., University of Alabama; *Chairman, Department of Physical Education*; 1966.
- Lieutenant Colonel Edward M. Praisner, B. S., Stroudsburg State College; M. A., University of New Mexico; University of Miami; Claremont Graduate School; Eastern New Mexico University; *Chairman, Division of Social Science; Supervisor of Third Class; Professor of Political Science*; 1946.
- Lieutenant Colonel William C. Roudebush, A. B., Miami University; Ph. D., University of Cincinnati; *Chairman, Division of Natural Science and Mathematics; Supervisor of Fourth Class; Professor of Mathematics*; 1939.
- Major William F. Harris, B. S., M. S., Oklahoma State University; Western New Mexico University; Eastern New Mexico University; University of Texas; *Chairman, Department of Biological Science; Associate Professor of Biology*; 1951.
- Major Richard G. Limbaugh, B. S., Southeast Missouri State College; M. A., San Francisco State College; University of Wyoming; *Chairman, Department of English; Assistant Professor of English*; 1963.
- Major Robert A. MacArthur, Ph. B., University of Wisconsin; M. A., Western State College of Colorado; University of Colorado; New Mexico Institute of Mining and Technology; New Mexico Highlands University; *Chairman, Department of Physics; Associate Professor of Physics*; 1957.
- Major E. F. McGuire, B. S., West Texas State University; M. A., University of California; Eastern New Mexico University; Pennsylvania Military College; *Chairman, Department of Social Studies; Associate Professor of Economics*; 1959.

- Major Richard H. Meeker, B. A., University of New Mexico; M. S. California State College at Los Angeles; *Associate Professor and Chairman, Department of Guidance*; 1959.
- Lieutenant Colonel Fred A. Miller, B. A., Carroll College; M. A., University of Wisconsin; *Chairman, Department of Mathematics; Associate Professor of Mathematics*; 1945.
- Major Howard G. Murphy, B. S., M. S., Syracuse University; University of Colorado; *Chairman, Department of Business Administration; Associate Professor of Business Administration*; 1951.
- Colonel George Seth Orell, USAR, B. S., M. A., University of Denver; Montana State University; *Chairman, Department of Chemistry; Associate Professor of Chemistry*; 1931.
- Captain Roger Rush, B. A., East Central State College; M. M., North Texas State University; Western State College of Colorado; *Chairman, Department of Fine Arts*; 1965.
- Major Eliud Hector Zamorano, B. A., M. A., Texas Christian University; Hamilton College; University of Oklahoma; *Chairman, Department of Foreign Language; Associate Professor of Spanish*; 1959.
- Colonel Chester H. Anderson, USA (Ret), B. S., M. Ed., University of Oklahoma; Utah State University; *Instructor of Mathematics*; 1964.
- Major Thomas M. Barnett, B. S., M. S., Eastern New Mexico University; Ed. D., North Texas State University; *Director of Institutional Research and Associate Professor of Chemistry*; 1961.
- Sergeant Major Vernon Bass, Infantry; *Chief Instructor of Military Science*; 1963.
- Captain Robert G. Bell, B. A., M. A., Eastern New Mexico University; New Mexico State University; Arizona State University; *Instructor of History*; 1965.
- Sergeant First Class Ellis R. Brewington, Armor; *Instructor of Military Science*; 1964.
- Captain James A. Caley, B. A., Texas Tech. College; West Texas State University; Southwest Texas State College; University of New Mexico; Southern Methodist University; *Instructor of Biology*; 1964.

- Mrs. Bert Ellen Camp, B. A., University of Southern California; M. A., Sul Ross State College; M. A., University of Denver; *Librarian*; 1962.
- Captain Albert B. Campbell, B. S., Fort Hays Kansas State College; M. A., Western State College of Colorado; Claremont Graduate School; *Instructor of Government*; 1964.
- Major Donald M. Cassidy, CE-USAR, A. B., McKendree College; M. S., Southern Illinois University; University of Kansas; University of Missouri; East Texas State University; *Instructor of English*; 1964.
- Captain Kenneth D. Cheney, B. A., M. A., Colorado State College; *Instructor of English*; 1966.
- Captain Don L. Cleman, B. A., B. S., M. A., Central Washington State College; University of Washington; *Football and Swimming Coach*; 1966.
- Captain Charles R. Clausen, B. S., University of New Mexico; M. A., San Jose State College; *Athletic Coach*; 1967.
- Colonel Roy Wheaton Cole, USA (Ret), B. S., United States Military Academy; M. A., George Washington University; Eastern New Mexico University; *Instructor of History*; 1964.
- Mrs. Alma S. Daniels, B. A., Texas Tech. College; *Assistant Librarian*; 1967.
- Captain Robert F. Dennis, B. A., Northwest Nazarene University; M. A., West Texas State University; *Athletic Coach*; 1959-63. 1967.
- Captain John H. Eddy, Jr., B. A., A. M., Western State College of Colorado; *Instructor of History and Philosophy*; 1966.
- Captain Richard P. Estergard, B. S., M. A., Bradley University; Northern Illinois University; *Basketball and Tennis Coach*; 1960.
- Captain P. J. Farren, B. A., Montana State University; M. Ed., University of Oregon; Colorado State College; *Assistant Professor of Mathematics*; 1961.
- Master Sergeant John L. Fortner, Infantry; *Instructor of Military Science*; 1963.

- Captain John J. Foster, USAFR, B. A., University of North Dakota; M. Ed., West Texas State University; Texas Tech. College; Eastern New Mexico University; *Assistant Professor of Mathematics*; 1958.
- Captain Joseph D. Graham, B. S., M. Ed., Texas Tech. College; *Instructor of Biology*; 1967.
- Captain James V. Hall, Jr., B. S., Eastern New Mexico University; Indiana University; *Instructor of English*; 1966.
- Captain Brent Hamner, B. S., University of Alabama; M. S., University of Mississippi; *Instructor of Mathematics and Geology*; 1964.
- Captain L. Higdon, B. A., Sul Ross State College; *Athletic Coach*; 1967.
- Colonel Charles Boes Hines, USA (Ret), B. S., United States Military Academy; M. A., Columbia University; Eastern New Mexico University; New Mexico Highlands University; *Instructor of Physics*; 1964.
- Captain B. R. Holmes, B. S., South East Oklahoma State; M. S., University of Oklahoma; *Instructor of Chemistry*; 1967.
- Captain Jack Jackson, A. B., University of North Carolina; M. A., University of Nevada; University of Southern California; *Instructor of English*; 1963.
- Captain J. R. James, B. A., Southwestern State College; M. A., Central State College; North Texas State University; *Instructor of Social Science*; 1966.
- Captain J. J. Jenkins, B. S., Texas Tech. College; M. S., University of Arizona; *Instructor of Chemistry*; 1965.
- Captain William J. Jones, Jr., Infantry; *Assistant Professor of Military Science*; 1967.
- Staff Sergeant A. E. Kirker, Artillery; *Instructor of Military Science*; 1967.
- Captain S. Barry Konneker, B. A., Southern Illinois University; *Instructor of German*; 1964.
- Captain Stephen J. Leadabrand, B. A., Colorado State College; M. S., New Mexico Highlands University; Wheaton College; *Instructor of Mathematics*; 1965.

- Major Tom L. Lindholm, Armor; *Assistant Professor of Military Science*; 1966.
- Major Allen J. Lovelace, B. S., M. S., North Texas State University; University of Wyoming; University of Colorado; *Assistant Professor of Biology*; 1958.
- Captain Raymond O. Lysek, B. A., St. Benedict's College; M. A., University of Alabama; *Instructor of English and Latin*; 1964.
- Captain Glen Wiley Markham, B. S., New Mexico State University; New Mexico Highlands University; *Basketball and Baseball Coach*; 1964.
- Captain Adrian Martinez, B. A., MATS, University of New Mexico; University of Valladolid; *Instructor of Spanish and Latin*; 1963.
- Captain Glen D. McDonald, B. S., Abilene Christian College; M. Ed., Texas Tech. College; *Instructor of Chemistry*; 1967.
- Lieutenant Colonel William H. Morgan, USA (Ret), B. S., United States Military Academy; M. Engr., University of California; Columbia University; American University; *Instructor of Mathematics*; 1963.
- Colonel Ellsworth N. Murray, USMC (Ret), B. S., United States Naval Academy; M. A., University of California; University of the Pacific; New Mexico State University; New Mexico Highlands University; *Assistant Professor of Mathematics*; 1952.
- Major Donald L. Neelen, B. A., Dakota Wesleyan University; M. B. A., University of Denver; *Assistant Professor of Business Administration*; 1953.
- First Sergeant Harold E. O'Neil, Armor; *Instructor of Military Science*; 1965.
- Captain Bennie A. Padilla, B. A., M. A., New Mexico Highlands University; MATS, University of New Mexico; Interamerican University of Mexico; *Assistant Professor of Spanish*; 1962.
- Captain James C. Patterson, Armor; *Assistant Professor of Military Science*; 1967.
- Major Joseph D. Posz, Armor; *Assistant Professor of Military Science*; 1966.

- Lieutenant (j.g.) Elmer Glen Raborn, USNR, B. B. A., Baylor University; M. Ed., North Texas State University; *Instructor of Social Science*; 1966.
- Captain Charles F. Randall, B. S., New Mexico State University; *Athletic Trainer and Baseball Coach*; 1963.
- Captain Travis W. Reames, B. A., New Mexico Highlands University; *Instructor of English*; 1967.
- Captain Bruce C. Rhodes, B. A., M. A., Eastern New Mexico University; Texas Tech. College; West Texas State University; *Instructor of English*; 1966.
- Major Albert E. Scott, B. A., Morningside College; M. A., University of New Mexico; University of Chicago; Eastern New Mexico University; *Assistant Professor of English and Reading*; 1953.
- Captain Alex P. Sena, B. A., Eastern New Mexico University; *Instructor of Spanish and French*; 1966.
- Captain James Thompson, B. A., M. A., University of New Mexico; *Instructor of English*; 1964.
- Captain John R. Ussery, B. A., Eastern New Mexico University; *Athletic Coach*; 1967.
- Staff Sergeant Donald M. Villemarette, Infantry, *Instructor of Military Science*; 1967.
- Captain Daniel B. Voorhees, B. A., M. A., Ed. S., University of New Mexico; University of Southern California; University of Hawaii; University of Illinois; *Guidance Counselor and Instructor of Psychology*; 1967.

ADMINISTRATIVE STAFF ASSISTANTS

- Major Cameron Bradley, B. A., New Mexico Military Institute; *Tactical Officer*; 1941-1954; 1963.
- Mrs. Helen S. Clark, *Admissions Secretary and Assistant to the Registrar*; 1953.
- Captain Ray Dickenson, *Manager of Cadet Store*; 1967.
- Captain Howard C. Edwards; *Director of Physical Plant*; 1965.

- Mrs. Geneva B. Gardner, *Secretary to the Superintendent*; 1964.
- Captain Ulysses George, *Manager Laundry and Dry Cleaning*; 1960.
- Captain L. J. Frazier, B. S., New Mexico Military Institute; *Tactical Officer*; 1964.
- Captain W. E. Lee, *Tactical Officer*; 1967.
- Captain Melford Lehrman, *Tactical Officer*; 1966.
- Mrs. Myrtle H. Little, R. N., Trinity Hospital School, (Minot, North Dakota); *Head Nurse*; 1951.
- Lieutenant Colonel Tom O. Matchin, AUS (Ret), A. A. New Mexico Military Institute; *Tactical Officer*; 1965.
- Captain D. H. Maxfield, *Chief Accountant*; 1967.
- Major J. Thomas Murrell, *Purchasing Agent*; 1957.
- Mr. William L. Oliver, *Golf Professional*; 1956.
- Captain Alton Sample, *Manager of Post Exchange*; 1954-1960; 1966.
- Captain Jimmy G. Snyder, B. S., Sul Ross State; *Tactical Officer*; 1965.
- Captain William W. Tucker, *Tactical Officer*; 1965.
- Lieutenant Colonel George H. Welles, USA (Ret), B. S., U. S. Military Academy; *Assistant Commandant*; 1965.

EMERITUS FACULTY AND STAFF

- Miss Modene D. Bates, 1921-1924, 1926-1951, *Registrar*.
- Major Russell G. Bird, 1926-1928, 1929-1951, *Assistant to the Adjutant*.
- Major Harry D. Blake, 1927-1963, *Assistant Professor of Mathematics*.
- Lieutenant Colonel Alfred N. Carter, 1929-1963, *Professor of English, Chairman, Division of English and Languages*.
- Mrs. Helen E. Cookson, 1939-1964, *Secretary to the Superintendent*.
- Major Jennings B. Ellis, 1929-1961, *Associate Professor of Physics, Chairman, Department of Physical Sciences*.
- Lieutenant Colonel George L. Erwin, 1912-1946, *Adjutant*.
- Lieutenant Colonel L. T. Godfrey, 1929-1956, *Assistant Coach, Coach, Director of Athletics*.

- Lieutenant Colonel Patrick H. Gratton, 1927-1966, *Professor of English; Chairman, Division of Humanities.*
- Major Cecil V. Hill, 1946-1967, *Supervisor of Buildings and Grounds.*
- 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 Paul Mount-Campbell, 1942-1966, *Associate Professor of Physics; Chairman, Department of Physics.*
- Lieutenant Colonel William C. Payne, 1946-1966, *Assistant Professor of Mathematics.*
- Lieutenant Colonel Joseph A. Posz, 1929-1967, *Manager of Cadet Services.*
- Mrs. Ruby Posz, 1931-1942, 1946-1967, *Manager of Post Exchange.*
- Lieutenant Colonel G. Merton Sayre, 1928-1963, *Associate Professor of French; Chairman, Department of Languages.*
- Lieutenant Colonel James H. Sikes, 1942-1965, *Associate Professor of Biology, Chairman, Department of Biological Sciences.*
- Lieutenant Colonel John E. Smith, 1939-1959, *Instructor of Physics.*
- Major Dwight H. H. Starr, 1928-1962, *Assistant Professor of English.*
- Miss Vera H. Unruh, 1928-1949, *Resident Nurse.*
- Colonel Charles F. Ward, 1926-1956, *Instructor of History, Principal, Superintendent.*
- Major Charles S. Whitney, 1929-1961, *Instructor of Mathematics, Associate Professor, Chairman, Department of Mathematics.*
- Mrs. Lydia P. Wilcoxon, 1937-1954, *Resident Nurse.*

GLOSSARY

BLUE BOOK . . . Principal regulations and rules of conduct for cadets.

CLASS SUPERVISOR . . . A senior member of the faculty assigned to supervise the academic progress of an entire class, such as the Fifth Class.

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

COURSE . . . A particular subject being studied — as a course in English.

ELECTIVE . . . A subject or course which may be chosen for study as distinguished from required courses which a cadet must take to earn a diploma or degree.

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

GRADE POINT AVERAGE (GPA) . . . A measure of scholastic success determined by multiplying the grade value (A-4, B-3, C-2, D-1, F-0) by the number of semester hours in each course attempted to get grade point. The grade points are summed and divided by the total hours attempted. For IBM purposes high school subjects, except MST and PE, are given a value of three semester hours.

MATRICULATION . . . The act of signing the roll book of the Institute for the first time. This act changes a boy into a cadet and is the moment when the Institute assumes control.

PMS . . . Professor of Military Science.

PREREQUISITE . . . The preliminary requirement which must be met before a certain course can be taken, thus English 1 is a prerequisite to all other courses in English and must be successfully completed before other English courses are taken.

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

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

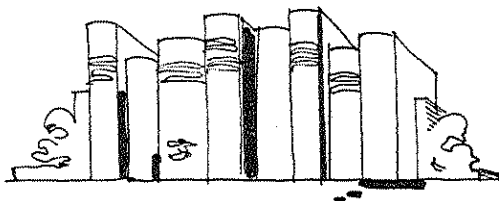
SCHEDULE . . . A list of the courses being taken which shows the period, room, and section in which the course meets. A program of studies for the cadet and a locator card for the Institute.

SEMESTER HOUR . . . At the college level the study of a course which meets one hour a week for one half year. Three semester hours would be three hours a week.

SEQUENCE COURSE . . . One which runs for an entire year and which requires successful completion of the year to earn credit for each half. Most high school subjects are sequence courses.

TACTICAL OFFICER . . . An officer assigned to the Commandant's Office.

UNIT (Unit of Credit) . . . One entire academic year of study of a high school subject with at least a passing grade.

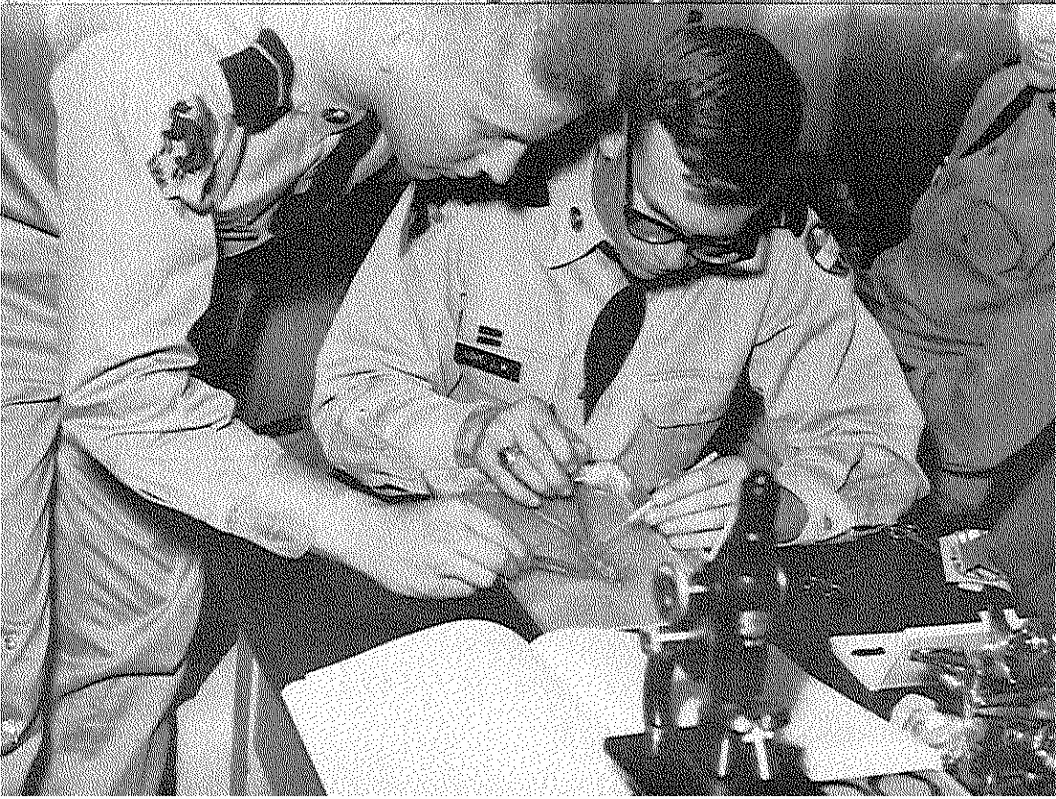
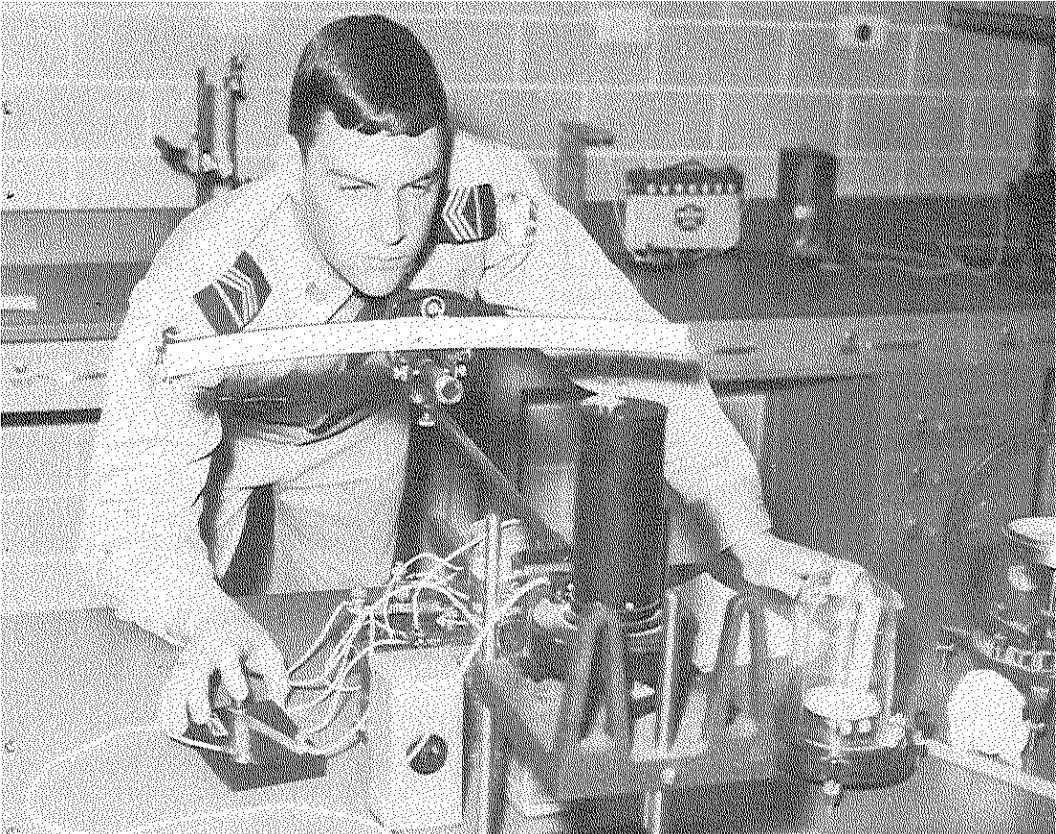


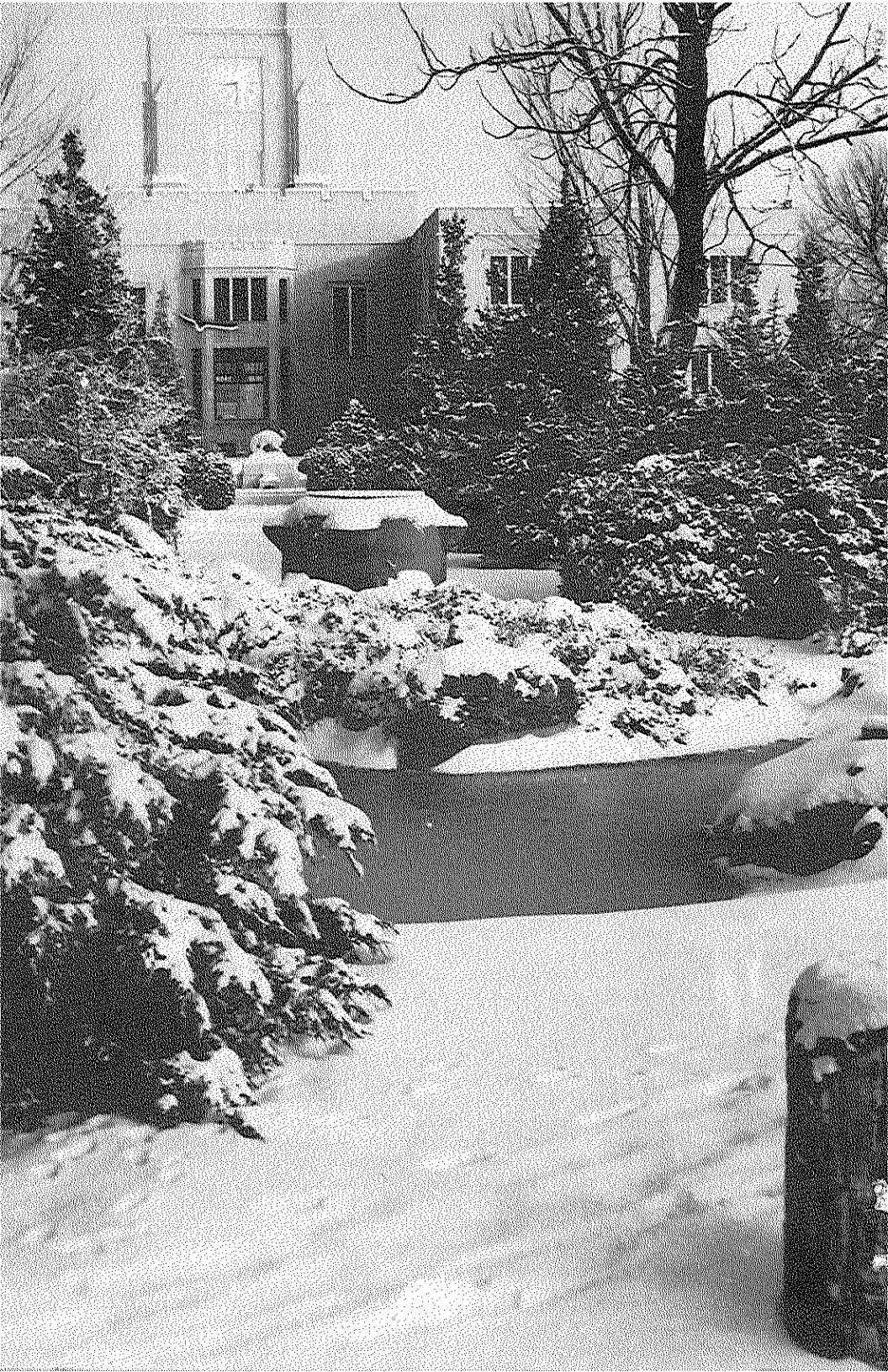
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Roswell, New Mexico