

"The greater the
Truth the greater
the Libel."

The Dome

Scientists and
Engineers
Page 3

VOL. 20, NO. 6

PENNSYLVANIA MILITARY COLLEGE

JANUARY 14, 1966

Moll's Speech Urges Social Involvement

by Kirk Newsom
Dome Staff Writer

After an excellent President Moll's Day dinner, President Moll gave an address in MacMorland Center on Thursday, January 6.

Dr. Moll began by modestly declaring that he had the feeling he didn't "know the person of whom you have been speaking." The person he referred to was the one Mayor Gorby, Gunard Carlson, Cadet Graner and Dr. Sophocles had thanked, congratulated and extolled—President Moll himself.

Student Adjustment

President Moll was also highly praised in a letter from Governor William Scranton, who was unable to attend the dinner.

The president's speech concentrated on two major, related problems. The first was the difficulty the modern college student has in adjusting to, and living in, his society. Stating that he feels part of this problem is due to the student's educational environment, Dr. Moll attacked the faculties and administrations of our colleges and universities. They must, he said, "come down from their ivory towers and mingle with the problems . . ." namely, the social problems.

Chester Panoramic

It should arouse pride in every student who has participated in Operation Tender Tiger in any way, that President Moll cited this as an example of how we should get "involved in the ghettos."

Dr. Moll's words applied universally, but in his speech he also brought the problems into PMC's own perspective. Dr. Moll stated that we have the perfect opportunity to take the "fresh approach." Chester offers "a chance to see every social problem . . . and is small enough so that the problems can be identified."

Eastern Music

There are two arguments for PMC's involvement in the social problems of Chester, said President Moll: It is necessary for the complete education of its students—they will no longer be in a pattern which "shields them from society." Secondly, it is a "sociological responsibility" of the school to the city.

Preceded by an invocation by Rev. James H. Guy, the excellent dinner was accompanied by an equally excellent Middle Eastern musical ensemble.

Reception Dance

President Moll was preceded by a warm and down-to-earth introduction by Gunard Carlson, a member of the Board of Trustees and one of the pioneer industrialists in Chester.

The dinner was followed by a reception and dance at the Media Inn, attended by the faculty, administration and guests.

Today !!!

A student assembly will be held at 1 p.m. Thurs., Jan. 13 in the dining hall of MacMorland Center. This assembly is compulsory for all students, civilians and cadets.

Civilian students must pick up IBM attendance cards at the desk in the Center prior to 1 p.m.



December 22, 1965

GREETINGS:

One of the foremost characteristics of American young people is a capacity for conscientious, positive action.

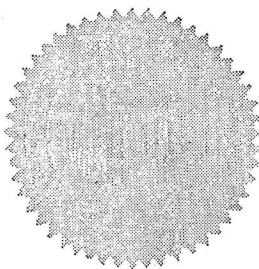
"Operation Tender Tiger," an effort by the students of the Pennsylvania Military College to establish an orphanage in South Viet Nam, is an example of the constructive projects by which many American students are expressing good will toward the people of that country.

I speak for all Pennsylvanians in congratulating the students of PMC on this ambitious and humanitarian endeavor.

The students of PMC have my best personal wishes for the success of "Operation Tender Tiger."

I encourage all Pennsylvanians, especially Pennsylvania college students, to consider affiliation with "Operation Tender Tiger" or initiation of similar civic or humanitarian programs.

Such efforts will help convey to the people of South Viet Nam the compassion and concern which the people of Pennsylvania feel toward them.



WILLIAM W. SCRANTON
GOVERNOR

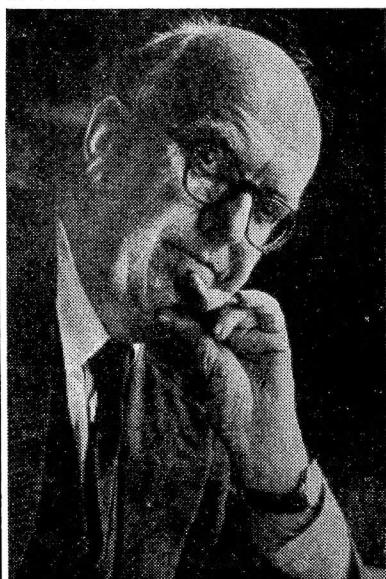
CULTURAL AFFAIRS

Lord C. P. Snow Will Be Given Engineering Medal

by Kirk Newsom
Dome Staff Writer

C. P. Snow, renowned British novelist and scientist, will be the guest of PMC from Friday through Sunday beginning January 21.

The schedule promises a busy and interesting weekend for both Lord Snow and PMC. There is to be a convocation on Friday at 2:00, a press meeting at 3:00 and the Centennial Award Dinner at 7:00.



PROFILE

C. P. Snow

(Adapted from Longman, Green's British authors series).

C. P. Snow is a novelist of unique experience. At a period of history when the worlds of literature, and of science and technology, are sharply separated from each other, he has come to hold a key-position in both simultaneously. A novelist by vocation, he is also a scientific administrator.

(Continued on Page 6)

At the dinner Lord Snow is to become the fourth recipient of PMC's Engineering Centennial Medal. This medal commemorates the beginning of the new engineering program at PMC in 1862. Mr. Snow will also receive the honorary degree of Doctor of Science.

The tentative program on Saturday includes a Faculty Seminar at 10:00. There will be some faculty and guests invited from other institutions. At lunch, we hope to have the "American counterpart of Lord Snow," Dr. J. H. Holloman, First Assistant Secretary of Commerce for Science and Technology. Also tentatively there will be a student seminar between 2:00 and 4:00.

Lord Snow will be accompanied by his wife, Pamela Hansford Johnson who is well-known in her own right as an authoress.

The British guest is best known for his desire to better the understanding between "science and the humanities"—or as he puts it; "the two cultures." Assistant Secretary Holloman has similar desires.

Dr. Holloman has taught at Harvard and MIT, has worked in executive positions at General Electric, and has had advisory positions at Rensselaer Polytechnic Institute, Harvard, Cornell and MIT. . . . "he is especially interested in the educational preparation that goes into (the scientific and engineering) professions."

(Continued on Page 4)

Bob Hope to be Guest of Honor At 100th Anniversary Dinner World Renowned Comedian Here January 29

Famed entertainer Bob Hope will be the guest of honor at a formal dinner held on the campus of Pennsylvania Military College on Saturday, January 29.

The program is sponsored by a committee of community leaders with the support of the Chester Business Men's Association, and cites the 100th anniversary of PMC's location in the city of Chester.

The college will award Hope the honorary degree of doctor of humane letters at the event, which will be held in MacMorland Center beginning at 7 p.m.

The proceeds will be added to the anniversary gift fund being raised by the community. It currently exceeds \$20,000.

A Fitting Honor

Perennially the favorite entertainer of American servicemen, Hope most recently performed before troops in South Vietnam. His show business career began in vaudeville and includes major appearances on the stage, radio, motion pictures and television.

Dr. Clarence R. Moll, PMC's president, said it was particularly fitting for Hope to be honored by the college. "PMC has contributed its share of manpower to every war in which our country has been engaged from the Mexican War through the Vietnamese conflict, and provides about one percent of all the reserve officers commissioned in the Army. Many of our graduates have been privileged to see Bob Hope entertain in camps, near and far, since World War II. The effect of his contribution towards increasing the morale of our troops is inestimable."

\$8 Million

Dr. Moll expressed appreciation for the anniversary celebration. "Pennsylvania Military College can look back on 100 years of close association with Chester. We are proud to have played a role in the economic and cultural development of the city, and the \$8 million in building construction on campus since 1958 is indicative of our faith in sharing the future with Chester."

Individuals sponsoring the program
(Continued on Page 4)

UBA Book Sale

Buy and Sell textbooks at the Used Book Agency. The UBA will be open to receive and sell books

Thursday, Feb. 3, from 10:00—3:00
Friday, Feb. 4, from 10:00—2:00
Monday, Feb. 7, from 10:00—2:00
Tuesday, Feb. 8, from 10:00—2:00
Wednesday, Feb. 9, from 10:00—2:00

The UBA handles only those textbooks which are to be used this Second Semester.

Remember—all books and money not picked up by Wednesday, February 9, by 2:00 P.M. will be forfeited. All profits will be donated to the Library and the DRUMMER. Anyone wishing to work with the UBA will be received warmly. If interested, please contact Bruce Kristol—Box 1186.



Bob Hope, comedian extraordinary, will receive honorary degree.

Lumsden Named To Who's Who!!

For the first time in its history PMC has been privileged to name senior students of superior quality to *Who's Who Among Students in American Universities and Colleges*.

The criteria for selection were: Scholarship, citizenship, participation and leadership in academic and extra-curricular activities, and general promise of future usefulness to business and society. The students were selected by a committee appointed by Dr. Moll. The committee was composed of academic and administrative personnel.

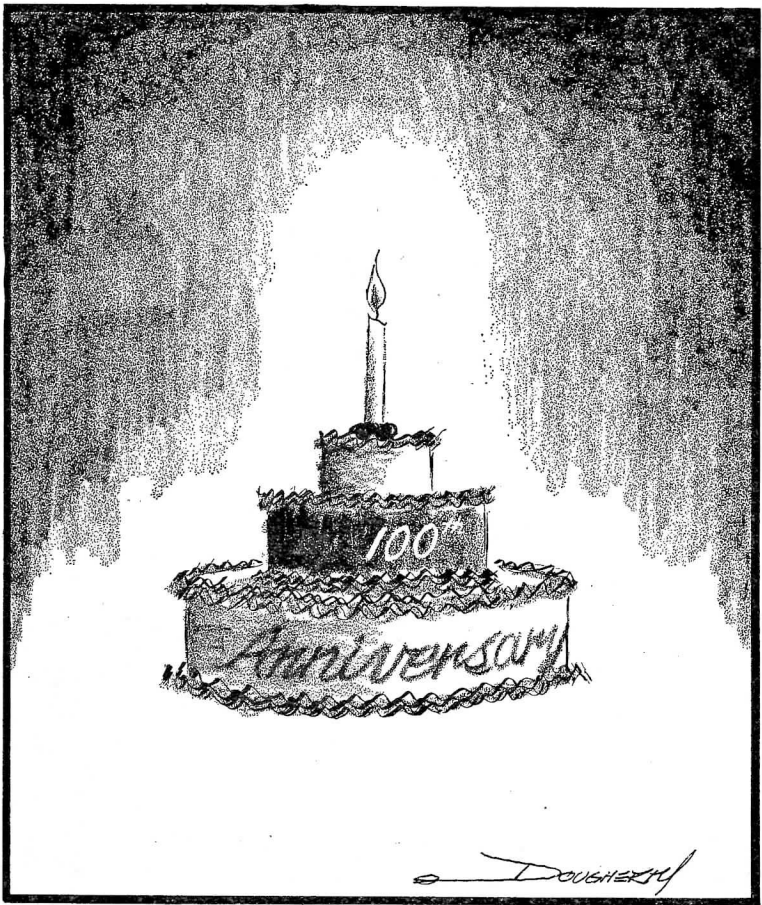
The following are the members of the Class of 1966 who were selected:

William H. Benge, Richard O. Berkey, Robert Brumbaugh, Patrick Brennan, Jon K. Brower, Edward Connolly, John W. Cowdwright, Bruce Kristol, Glenn Dennis, William Duthie, George J. Frame, Chilton Goebel, George W. Graner, George F. Gorman, Edward C. Harkin, Gerald Johnson, Timothy W. Joyce.

John Lumsden, Charles E. March, William E. Mattis, Thomas J. Murray, Peter J. Rohana, George Scudder, Michael Siegfried, John P. Snowden, Paul J. Stein, Jr., William Symolin, Robert Templin, Samuel Valentine, James H. Vaules, Timothy Westman, Walter Zvarych.

WATCH FOR!
TWO-PART
FEATURE ARTICLE
On
FUTURE CAMPUS
DEVELOPMENT

Happy Birthday, PMC



We Salute You

PMC has, for the first time, nominated its top senior students to *Who's Who Among Students in American Universities and Colleges*. This singular honor will devolve upon a total of 32 students at PMC. To those seniors who do not share this honor, it may be instructive to ask yourselves why — and in the process to question whether you have contributed all that you might have to PMC, and whether you will take away all that you might have from PMC.

To those underclassmen whose opportunity it will be to achieve a place in "Who's Who," it must certainly be instructive to examine the college careers of the 32 students thus honored and select from this examination those qualities which will serve to enrich your own college careers and strive to cultivate those qualities within yourselves.

To you students who have so distinguished yourselves, we salute you.

Mixers Have Improved

The last two mixers held at PMC, the Tender Tiger mixer and the Drummer mixer, constituted a rather unique phenomenon. These mixers were both run by the same group of students, and they reflected a conviction that those who patronize PMC mixers ought to be provided with more than a dark room and a band.

This attitude is indicative of a fundamental respect for those who attend these mixers; at the same time it is a practical attitude, for with proper management a PMC mixer, presently reflecting profits of approximately \$200, could realize in the neighborhood of \$450-500.

Those of you who attended these dances know that they were extremely successful. And you know that the obvious formula for this success consisted of imagination, hard work, expense, and a good band.

Now that one group has shown the way, we can hope that others will follow. Student Council has a number of forthcoming mixers, including the one on Saturday night (Jan. 15); with the tremendous resources at their command, we ought to expect them to at least equal, if not eclipse, the efforts of those who, with relatively limited human and material resources, have done so much to show the way to entertaining Saturday evenings at PMC.

In short it is hoped that we will not return to the drab, darkened "messhall with band" of previous times and that subsequent groups, including Student Council, will view these evenings as an opportunity to bring people out to PMC for an enjoyable time, and not as merely another chance to make money.



From the Commandant

Col. Noel Menard

I don't want to continue to beat a dead horse.

On the other hand, I think the Corps is entitled to know the facts about the *Christmas Decoration Incident* since *Freedom of the Press* obviously does not include adhering to the facts—nor even determining what are the facts.

It is true that some of our members did steal outdoor Christmas decorations from neighboring homes.

It is true that two of our members were apprehended and charged with the offense.

It is NOT true that the entire Fourth Class was involved. Those who actually were involved came out like men and admitted their involvement.

It is NOT true that decorations were thrown out of dormitory windows because individual cadets did not want to implicate themselves. The decorations were collected in an orderly manner by the upperclassmen and deposited outside my door—in the exact manner they were requested to do.

It IS true that the cadets involved visited every home which claimed a loss, made FULL restitution down to the last penny and apologized as well.

The most important and genuine fact of all is that right here in our midst, a group of the newest men we have, did their manful best to redeem all of us.

And the value of that simply can't be calculated.

Finally, and I really hope this is final, there is only one College official really responsible for that incident. That's myself. I regret the whole business. However, regretting it doesn't really help. I should have known it was happening and put a stop to it. Since I didn't, I put myself right at the top of the list of those to blame. (Does anyone want to cast the first stone?)

1965: A Year Of Firsts For PMC

by Patrick J. Brennan

Student Council President

It's hard to pick a topic after one has been away from school for a couple of weeks. Things become general and not so important as they were when we met face to face.

This is however a good time to look over the past year, reflect on what has been accomplished, what went wrong, and what is left to do. So far this year PMC has been in the limelight twice this year, which beats the old record by two.

Lights Missing

The first headlines came with the TENDER TIGER, and of course the whole school is quite proud that it is something started by students, and is being successfully developed by stu-

THE DRUMMER

PMC's Literary Annual has begun preparations for publication.

We are seeking short stories, plays, poems, critical analyses, and essays.

Please submit your manuscripts for consideration on or before February 20, 1966 addressed to Box 1185

dents. It is a good cause, and it shows that PMC is not a school of Draft Card Burners.

The Second spotlight thrown on our school caught many with red faces, as well as red lights, green lights, etc. After years of following a tradition, PMC was caught. The stealing of Christmas lights also made headlines. Perhaps it was the magnitude of the operation, most often it was a string or two of lights missing from the neighborhood, but this year seemed to have been a concentrated effort, which brought us the headlines.

PMC Proud

All of us deemed it unfair that we should receive such headlines. We did steal lights. Stealing is wrong, but how serious is it? Is it as serious as a dope ring on campus? Hardly, yet our coverage was as large as the local campus who had a ring. Perhaps it is a lefthanded compliment. We are perhaps considered more honorable than the average college student, because we are a military college, the average length of hair here is below the national norm.

Other accomplishments went unnoticed, the one that comes to mind immediately is the work done by the patterning group that gives up their own time to work with crippled children. This PMC may be very proud of; this gets no notice.

Spring Festival

Another first went to the Junior Class who replaced the Junior Play with really first class entertainment, The Highwaymen, and came out in the black. Others who tried lost money. The Spring Festival had been the only other function that brought entertainment to campus and made it pay off.

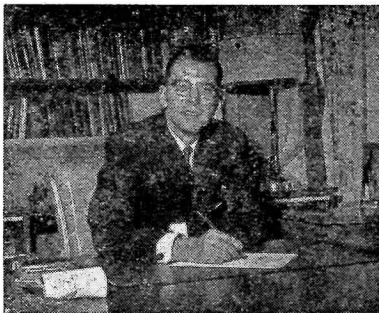
That brings us to the new year. The event of importance to me in the new year is the Spring Festival, which as of now is not off the ground. Talent is usually signed by this time in order to insure a decent group. Student Council will look into the Festival, and if nothing is being done, it will take over and run the festival.

Believe 22

During the first meeting of the Student Council this year the freshman representatives were sworn in, this brings us to a compliment of twenty-two. If you have any ideas for headlines or just improving the school, you now have a choice of 22 people to talk to. Try them.

"La guerre est une chose beaucoup trop serieuse pour etre confiee a des generaux."

— Georges Clemenceau



From the President

Dr. Clarence R. Moll

In discussing the virtues of a college education, educators give considerable space and words to developing an individual intellectually, spiritually, morally, and physically. This is most frequently referred to as a "whole man concept." As college administrators have been confronted more and more with campus unrest, greater consideration is being given to this long-established concept of higher education.

Snow Scientist

Although PMC has never wavered from this principle, here, as elsewhere, a greater effort is being made to broaden the student's experiences beyond the classroom through a broadened cultural affairs program, through community projects that bring the student abreast with life's situations, through art exhibits, through broadened social and athletic activities, and through leadership laboratory experiences in the cadet corps and other phases of college living.

This effort to bring wider horizons to the PMC student is evident in every aspect of campus living and reaches its zenith this month with the visit of C. P. Snow to the PMC campus. Lord Snow, a noted scientist, novelist, and public servant, is perhaps more sought after by American colleges than any Englishman of letters.

Distinguished Scholar

The PMC student body is especially honored to have this distinguished lecturer as its campus guest for a three-day period, during which he will address the student body and meet with students and faculty informally in seminars.

Although his visit will, to an extent, overlap and extend into the examination period, the opportunity that it affords each PMC student is such that I should hope that you will adjust your study and preparation schedules in such a way as to gain the fullest advantage of associating with this distinguished thinker and scholar who more than any other person has made the world's scholars aware of the need to bridge the gap that exists between the scientist and the humanist.

"It is essential that we make a distinction between persistence in pursuit of a good cause, and obstinacy in pursuit of a lost cause."

— Thanh Tuyen

THE DOME

Published by and for the students of Pennsylvania Military College Chester, Pennsylvania

EDITOR-IN-CHIEF	Noel C. Koch
MANAGING EDITOR	Carl R. Lobel
ASSOCIATE EDITORS	
SPORTS EDITOR	Art H. Dougherty, John Cimino
REPORTERS	David Driscoll, Ed Fuller, Mel Blumberg, Kirk Newsom
CARTOONIST	Art H. Dougherty
LAY-OUT	Tom Ogden
BUSINESS MANAGER	Richard Hall
BUSINESS STAFF	
	Mike Bolinski, Rich Bone, Rick Kinney
FACULTY ADVISOR	Prof. W. W. Fairweather

Articles, announcements and letters to the editor may be deposited at the Post Office. This material should be typewritten, double-spaced, and signed.

Science and Engineering

NO TIME FOR ADVANCED ERECTOR SETS

by Mel Blumberg
Dome Staff Reporter

In the eyes of the typical Arts or Business major, the engineering student at PMC seems a detached sort of creature who wanders around muttering exotic sounding phrases such as Gauss' Law — Fourier series — Laplace transform. He has been accused of being too interested in the world of mathematics and too unaware of the finer and culturally elevating things in life. It has even been said of the engineer that he would rather build advanced erector sets than analyze Chaucer from an existentialistic viewpoint.

Perhaps these charges were true as a result of engineering education in the past, but today's engineering student at PMC receives a much broader background and knowledge than his counterpart of just a few years ago.

Human knowledge has been advancing at such a rapid rate that technology taught in the classrooms often became obsolete as it was being taught. The engineer was placed in the position of being outdated on the day he graduated, because his knowledge consisted only of current systems, devices or procedures. He was also highly specialized in his particular discipline and had little or no knowledge of any other area of engineering.

If an electrical engineer were called upon to design an amplifier for a TV satellite, he could not simply design a circuit and install it using only his knowledge of electronics. He also must consider problems of temperature in space, radiation, structural strength, weight vibration and acceleration effects. These considerations cover the broad spectrum of engineering and not just a narrow area. If he were not himself an expert in

the diverse disciplines involved, he must be able at least to understand the language of the expert.

The best available solution to the need to keep up with the rapid advances in technology, and the necessity for a broad knowledge of all fields of engineering led to the development of the Engineer Core program. This program essentially reduces all branches of engineering to their basic common fundamentals. The pauper's shack and the millionaire's mansion

upon the same foundation of mathematics, physics, chemistry. Application of these laws differs only in the emphasis. If one were well versed in these basic laws of nature, he could pick up any textbook on a scientific subject and with application, master the subject, because he would already possess the basic building blocks of which all scientific knowledge is made.

One of the major tools of the engineer is the electronic computer. The second floor digital computer room

contains the range of problems that can be solved with their help depends largely upon the skill of the programming.

The computers are used extensively by the student engineers to determine how a system will perform before the system is built. For example, what effect will a different type shock absorber have on an automobile suspension system? This could be answered and graphs made of the motion of the car body before the shock absorbers were built.

If one were curious about what would happen if he made a design change to a nuclear reactor, he could find out by simulating this change on the analog computer. Then if he had made a gross error there would be only a simulated explosion. If he were really curious about what would happen he could go to the "reactor" room on the ground floor of Kirkbride Hall and try it on the real thing.

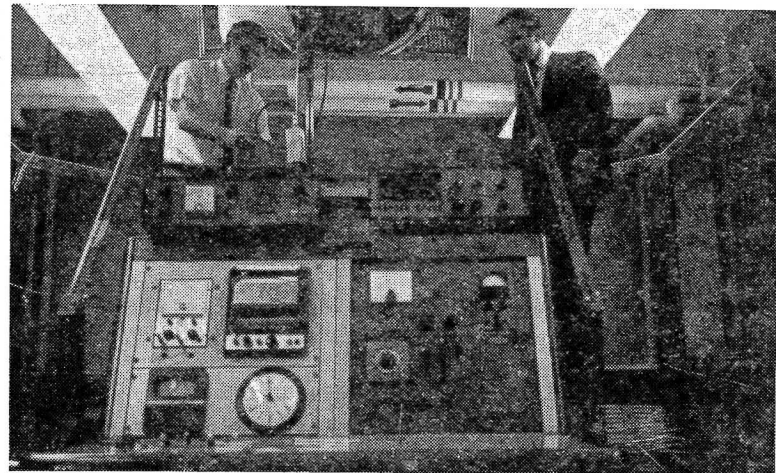
The PMC subcritical "reactor" (or more properly subcritical assembly) is being used to study many of the instruments, techniques and characteristics found in large scale reactors. A subcritical assembly differs from a reactor in that a reactor is capable of becoming critical or producing a self sustaining chain reaction of neutrons.

The major advantages of a subcritical assembly over a reactor for college work, is that it could not be made to explode even by the most zealous tinkerer, and radiation hazards are somewhat reduced.

Perhaps the most important and interesting area of activity for a student engineer is his period of internship known as the senior project.

The senior students working in teams of three or four with an engi-

neering professor acting as an advisor and consultant, conceive, design, and build an engineering system or device. The team functions as a small engineering firm doing research and development, and may expend up to \$150 excluding capital expenditures. The projects are generally unsolved problems from current technology and several are being supported by firms with interest in the area of investigation.



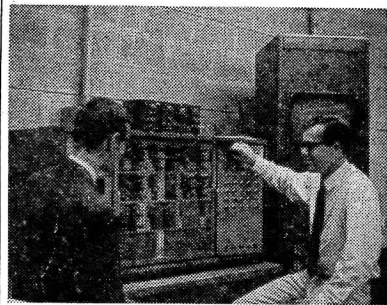
Junior Engineers attempt to determine critical mass of a subcritical reactor source experimentally.

each could be simply reduced to a given number of bricks, nails mortar and boards. The quality, quantity and assembly techniques would be very different; one house might have certain parts the other lacked, but in general when reduced to the basic fundamental components, each would be very similar to the other. So it is with engineering.

All areas of engineering are built

in Kirkbride Hall houses an IBM model 1620 computer. This is said to be the very machine that C. P. Ransome used to write his poetry. The analog computer laboratory on the third floor makes available one of the best university size scientific computers.

Both the analog and digital computer are extremely versatile, although each performs better in certain appli-



Engineers use the analog computer to investigate the process parameters affecting the control of a stirred tank reactor.

One of the projects underway on the ground floor of Kirkbride Hall at the PMC missile launch test facility "Cape Brady," is an investigation which promises to provide a method of launching missiles with a 25 per cent reduction in fuel consumption. Another project aided by Sun Oil Company will allow automobile engines to be examined under all types of operating conditions in the lab.

So, perhaps that intense looking fellow should be forgiven if he does not seem to be too interested in that live presentation on TV of the opera from Paris. He may be inventing a better satellite to improve the reception.

PENNSYLVANIA

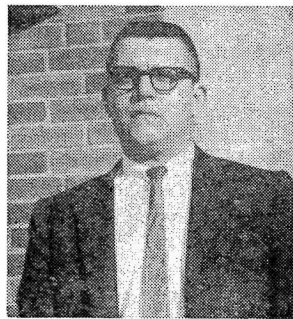
DEPARTMENT of HIGHWAYS

NEW \$10 BILLION ROAD PROGRAM OFFERS

CHALLENGING CAREERS

TO

CIVIL ENGINEERS



BSCE, P.M.C., 1958
Larry M. Laychur, P.E.
Civil Engineer III

"I know of no more challenging or rewarding field of endeavor for the University of Dayton Civil Engineer graduate than that of Highway Engineering. Careful selection, enrollment in an outstanding training program and eventual assignment in the specialty of your choice await your career association with us."

BENEFITS:

Professionally Conducted Training Programs
Competitive Salaries Plus Expenses
Complete Civil Service Coverage
Tuition Refund Program
Liberal Fringe Program
Annual Salary Increases
Permanent Assignment in Location of Your Choice



FOR FURTHER INFORMATION
CONTACT YOUR
PLACEMENT OFFICE

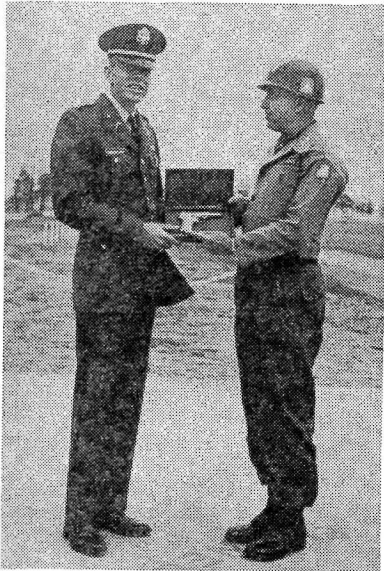
INTERVIEWING ON CAMPUS
FRIDAY
JANUARY 14, 1966

MILITARY INTELLIGENCE

Colonel Samuel C. Smith
Professor of Military Science
Pennsylvania Military College
Chester, Pennsylvania 19013
Dear Colonel Smith:

Your Superior Army Service Award arrived in good condition and was presented to Lt. Peter A. Vanderland on 25 November at the graduation review of the 4th Battalion, 2d Basic Combat Training Brigade. The Brigade Commander, Colonel Robert M. Piper, made the presentation.

The ceremony was very impressive. The audience consisted of families and friends of the graduating trainees and key commanders and staff officers of Fort Leonard Wood to include the Commanding General, Maj. Gen. Thomas H. Lipscomb and his deputy, Brig. Gen. Lloyd B. Ramsey.



Lt. Vanderland (left) receiving PMC's Superior Army Service Award from Gen. Lipscomb.

General Lipscomb posed for the picture with Lt. Vanderland on the reviewing stand after the ceremony. The award certainly is impressive, and it evoked much comment from the officers and non-commissioned officers, all of whom were envious of such a beautiful weapon.

I was unable to obtain a group picture of other graduates of your institution since they have departed Fort Leonard Wood.

Thanks to you and Lt. Vanderland's Alma Mater for making this presentation possible. It is certainly an incentive to your graduates to excel in their basic course.

Robert Hoisington
Major Infantry
Battalion Commander

Bob Hope

To Speak On Anniversary

(Continued from Page 1)

with the Chester Businessmen's Association are Mr. and Mrs. L. E. MacIntire, Dr. and Mrs. Benjamin R. Balin, Mr. and Mrs. Garland D. Cherry, Mr. and Mrs. John F. Cramp, Mr. and Mrs. Pleasonton H. Ennis, Mr. and Mrs. M. J. Freed, Mr. and Mrs. Edwin F. Fried, Hon. and Mrs. James H. Gorbey, Mr. and Mrs. John G. Keily, Mr. and Mrs. Henry E. Rodney, Dr. and Mrs. L. P. Rosen, Mr. and Mrs. William A. Schmidt, and Dr. and Mrs. Robert VanZandt.

Old Main Old

Pennsylvania Military College traces its origins from two boys' schools founded in Wilmington, Delaware, in 1821. Through subsequent mergers and moves, the college came to Chester in January 1866, occupying the Crozer Normal School building. The Old Main building at 14th and Chestnut Streets, which is the college's administrative headquarters, was constructed for the college by a group of public spirited citizens in 1868.

Cultural Affairs

Snow Week Also Features Dr. Charles Price

(Continued from Page 1)

In his present position Dr. Hollo- mon has authority over the National Bureau of Standards, the Coast and Geodetic Survey, the Weather Bureau and the Patent Office.

If PMC succeeds in bringing together both of these men who are dedicated to such similar purposes, the weekend will be a most enlightened and educational one.

DR. CHARLES PRICE

Charles C. Price, 1965 President of the American Chemical Society, will give a lecture Thursday, January 20, at 1 P.M. in the forum of Kirkbride Hall. Immediately following the lecture will be a faculty—student seminar led by Dr. Price.

A Harvard PhD with L. F. Fieser and postdoctoral work with Roger Adams were the foundation for an active research career in organic mechanisms which has brought him numerous awards, among them the ACS

Award in Pure Chemistry. He spent a decade at Illinois before moving to head the department at Notre Dame from 1946 to 1954 and from there to be chairman at the University of Pennsylvania. He is a chemist who does more than talk about the government: In addition to serving on a great variety of scientific advisory committees, he was nominated for Congress, has been an officer of the United World Federalists, and is a member of the U. S. National Commission for UNESCO. He is also an educator who takes action: He was organizer and is first chairman of the Advisory Council on College Chemistry, was a member of the CHEMS Steering Committee, and has served as a Fulbright lecturer to Japanese universities.

Dr. Price's visit is under the auspices of the Department of Cultural Affairs, but is also sponsored by the chemistry department and the student

affiliate of the American Chemical Society. His speech will be on the subject of the new scientific revolution, which Dr. Price sees as causing great changes in our lives and social structure, and giving man new "insights into the innermost secrets of the molecular structure and function of living systems, even to their synthesis and control."

Dr. Price made the astounding prediction a number of years ago that man would someday synthesize life. It is his belief that this will lead to a "more stable and rewarding social order."

SUPPORT OPERATION TENDER TIGER

D Matteo's

MacDADE BLVD.

MILMONT PARK

FINEST FOODS

ENTERTAINMENT

Wed., Thurs., Fri., & Sat.

GO-GO GIRLS

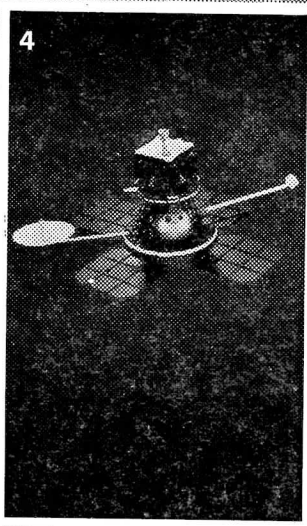
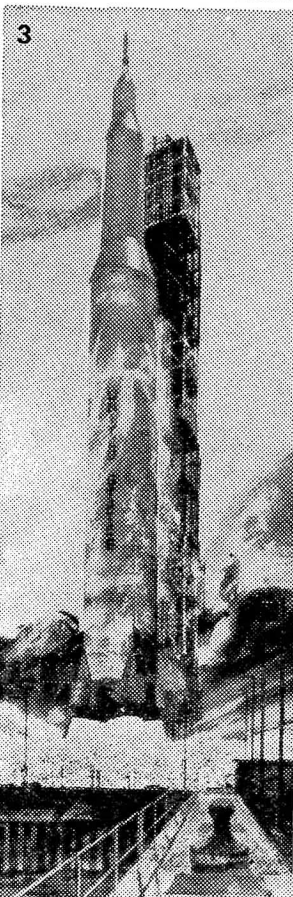
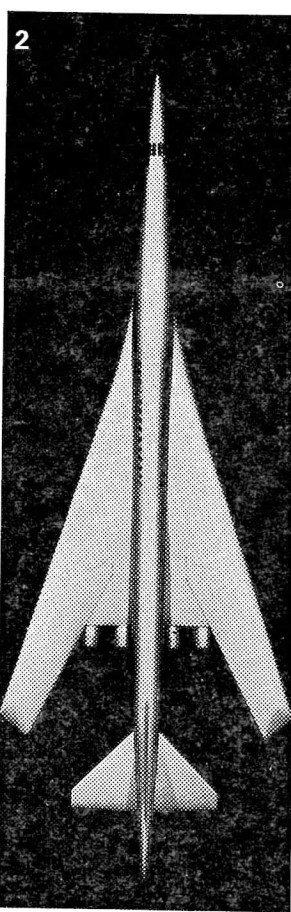
Wed., & Thurs.

DISCRIMINATING PEOPLE

PATRONIZE OUR ADVERTISERS

Engineers and Scientists: Let's talk about a career at Boeing... 50-year leader in aerospace technology

Campus Interviews, Tuesday, February 8



The most effective way to evaluate a company in terms of its potential for dynamic career growth is to examine its past record, its current status, and its prospects and planning for the future, together with the professional climate it offers for the development of your individual capabilities.

Boeing, which in 1966 completes 50 years of unmatched aircraft innovation and production, offers you career opportunities as diverse as its extensive and varied backlog. Whether your interests lie in the field of commercial jet airliners of the future or in space-flight technology, you can find at Boeing an opening which combines professional challenge and long-range stability.

The men of Boeing are today pioneering evolutionary advances in both civilian and military aircraft, as well as in space programs of such historic importance as America's first moon landing. Missiles, space vehicles, gas turbine engines, transport helicopters, marine vehicles and basic research are other areas of Boeing activity.

There's a spot where your talents can mature and grow at Boeing, in research, design, test, manufacturing or administration. The company's position as world leader in jet transportation provides a measure of the calibre of people with whom you would work. In addition, Boeing people work in small groups, where initiative and ability get maximum exposure. Boeing encourages participation in the company-paid Graduate Study Program at leading colleges and universities near company installations.

We're looking forward to meeting engineering, mathematics and science seniors and graduate students during our visit to your campus. Make an appointment now at your placement office. Boeing is an equal opportunity employer.

(1) Boeing's new short-range 737 jetliner. (2) Variable-sweep wing design for the nation's first supersonic commercial jet transport. (3) NASA's Saturn V launch vehicle will power orbital and deep-space flights. (4) Model of Lunar Orbiter Boeing is building for NASA. (5) Boeing-Vertol 107 transport helicopter shown with Boeing 707 jetliner.

BOEING

Divisions: Commercial Airplane • Military Airplane • Missile • Space • Turbine • Vertol • Also, Boeing Scientific Research Laboratories



Sideline Observation

... From DAVE DRISCOLL

Sports Editor

Sometimes a coach can't play it too cautious. In the swim team's first meet of the season they trounced Haverford, 52-39. In a return match after the holidays, Coach Dougherty decided to switch the line-up around somewhat in order not to run up the score again. What happened was a nightmare. The Fords won the opening event, the medley relay, and PMC found itself fighting to maintain a comfortable lead. The meet went down to the wire; and with the Cadets holding a slim 45-42 lead, the final relay event began. The Fords fired-up relay team came through to win the event by a whisker, despite a 55 second 100 yard anchor leg by Bill VanPelt, and the upset of the year in the swimming annals was recorded . . .

The Varsity wrestling team has yet to record their first win. The most recent losses have come at the hands of Elizabethtown, 34-8, and Swarthmore, 24-11. The most steady wrestler on the team continues to be John Benner who still remains undefeated after four matches. Against Swarthmore, John met his toughest competition to date, Fred Montgomery, who battled John down to the line before losing a 6-2 decision to Benner . . .

Coach Rowe has been trying to come up with a winning combination in the past few weeks. He may have hit on something when the Cadets registered their first win of the season against five defeats, when they toppled once-beaten Ursinus College. The starting line-up consisted of two juniors, Ron Arbogast and Dick Cartwright, and three sophomores, John Browne, Mike LaFlamme, and George Shicora. Against the Bears, PMC played control ball, and went into the locker room with a 20-19 halftime lead. In the second half Cartwright controlled the boards and the sharpshooting of Arbogast and Shicora kept the Cadets alive. Ursinus closed the gap to a field goal with two minutes remaining, but once again, ball control by backcourt men Browne and LaFlamme forced the Bears to foul in order to get the ball. A three-point play by Arbogast in the closing seconds iced the victory . . .

The swimming team rebounded nicely from their loss to the Fords by drowning Johns Hopkins, 61-33. Three swimmers scored double victories as the "Nads" won 8 of 11 events. Ed Kijewski took the individual medley and the 200 backstroke. Harry Lutz won his specialty, the 200 butterfly, and then traded events with teammate Bill Van Pelt. Lutz won the 500 freestyle while Van Pelt cruised to an easy win in the breaststroke. Van Pelt also copped the 200 freestyle. All three swimmers were also on the winning medley relay team. The win evened the teams record at 2-2 in the conference . . .

A very interesting thing occurred before the Swarthmore wrestling meet. Heavyweight wrestler John Peterson learned just what his Swarthmore opponents thought of him. A scouting report listed him as "slow, obese, and a quitter." That was enough for John to hear. In the first few seconds of his match against his highly-rated opponent, Frank Apsel, John had flattened him and would have pinned him except that he was partly off the mat. It didn't make a bit of difference though. One minute and thirty-eight seconds later John did pin his man, thus overcoming his obesity . . .

The Frosh basketball team keeps rolling along. Their latest wins have come over Rutgers S. J., 83-54, and Ursinus, 70-69. Coach Freeman has some fine players in the making who someday might lead PMC to a division title — providing that grades . . .

PMC had three sports mentioned in Chester's Daily Times Top Sports Stories of '65. They were; Bob Grosch's new record of pass receptions for a season in football; Dave Irons winning the MAC Cross Country Championships for the second year in a row; and the PMC track team's unexpected first place finish in the MAC Track Championships last Spring . . .

Coach Rowe's switching of center Bob Konzleman to forward for the Delaware game produced some results even though the team lost 76-60, to the Blue Hens. The "Roo" was one of three high scorers for the Cadets with 11 points along with Dick Cartwright and Mike LaFlamme. PMC, a 32 point underdog, made an exceptionally good showing, although they were definitely out of their class . . .

Dickinson College won their sixth straight basketball game at the expense of PMC, but they had to come from behind to do it. The Cadets held a 26-21 lead but the Red Devils stormed back to take a 34-31 halftime lead. With six and a half minutes left in the game, Shicora (18) and Arbogast (15) rallied the Cadets to within one point, 55-54, but Dickinson outscored PMC 23-15 in those closing minutes to triumph, 78-69 . . .

The Freshman wrestling team began their season on a fine note by romping over Swarthmore JV's, 26-11. Fred Bankert, Ken Chute, and Bob McCaffrey all registered pins for the Plebes, while Pete Suchanoff decisioned his opponent and John Parry won by forfeit . . .

BASKETBALL SPECTATOR CODE

In the interest of good sportsmanship the members of the Eastern College Athletic Conference recommend the following code for college students and other spectators in the conduct of their inter-collegiate basketball program:

1. The home college, as host, should encourage courtesy toward the visiting college's players, coaches, and students; and to the game officials and other spectators.
2. Unsportsmanlike behavior, such as booing, should be discouraged.
3. Silence should be maintained during all free throw attempts.
4. The use of noise makers that interfere with the proper game administration should be barred.
5. Enthusiastic cheering should be encouraged as a traditional part of college basketball.

ANDY SUBASHI'S

Rainbow Diner

9th & Sproul Sts., Chester

Special 10% Cut Rates For
All PMC Students

Open 24 Hours A Day
7 Days A Week

ROOMS AVAILABLE FOR PARTIES
AND GATHERINGS

"See You Over The Rainbow"

SUPPORT
TENDER TIGER

L & H

WONDER STORES

7th St. & Edgmont Ave.
Chester

Special Rates

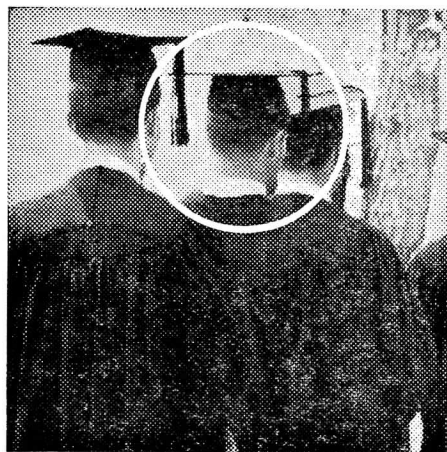
For All PMC Students

A Complete Range of
Sporting Goods

CHARGE ACCOUNTS INVITED

"The law is the last result of human wisdom acting upon human experience for the benefit of the public."

—Samuel Johnson



Dennis Moffatt sought a job with responsibility



He found it at Western Electric

Dennis Moffatt, B.A., Coe College, Cedar Rapids, Iowa, '57, joined Western Electric in 1961 after two years of graduate work at the State University of Iowa and two years with the Army. Most important to Dennis was the fact that WE offered him the chance to move ahead . . . fast. Dennis started at Western Electric's Hawthorne Works in Chicago as a Staff Trainee in Industrial Relations.

After only a year with the Company and the completion of one of WE's training programs for college graduates, Dennis became a Personnel Placement Analyst. Advancing rapidly, Dennis was

recently promoted to Section Chief, Employment and Placement, Systems Equipment Engineering.

If you, like Dennis Moffatt, want a career with a company that will recognize your skills and abilities, and have the qualifications we seek — let's talk! Opportunities for fast-moving careers exist now for liberal arts, physical science and business majors, and for electrical, mechanical and industrial engineers. Get the Western Electric Career Opportunities booklet from your Placement Officer. And be sure to arrange for an interview when the Bell System recruiting team visits your campus.

Western Electric MANUFACTURING AND SUPPLY UNIT OF THE BELL SYSTEM

AN EQUAL OPPORTUNITY EMPLOYER

Principal manufacturing locations in 13 cities □ Operating centers in many of these same cities plus 36 others throughout the U.S. Engineering Research Center, Princeton, N.J. □ Teletype Corp., Skokie, Ill., Little Rock, Ark. □ General Headquarters, New York City

Joe Colonna Welcomes

PMC Students and their dates
to the Delicious Food,
Fine Beverages, and
Warm Friendly Atmosphere of

Colonna's Tavern
610 Welsh Street
Chester, Pa.

Just 5 Min. From Campus
Unique Pub Surroundings

ALEX CHONEZ

HAS

Three Fully Equipped
Barber Shops To Serve
YOU

College Center
1410 Edgmont Ave.
Chester, Pa.

Woodlyn Shopping
Center
MacDade Blvd.

"A Staff of Expert Barbers"

Wick's Ski Shop



THE FINEST AND MOST COMPLETE LINE OF SKI-WEAR, SKI EQUIPMENT, EXPERT ADVICE AND FITTINGS.

RENTALS

SKIS, BOOTS AND POLES
\$4.00 PER DAY
\$7.00 PER WEEKEND

321 W. Woodland Ave
Springfield, Pa.
Phone: KI 3-5445

1201 Philadelphia Pike
Wilmington, Del.
Phone: SY 8-1818

Del. Co. Leading
Stationer Since 1898

- School Supplies
- Office Furniture
- Drafting Equipment

SPENCER
Stationery Co.

TR 6-7262
523 Market St.
Chester, Pa.

B. Gross

Men's Wear
Campus Styling

*The finest in
Natural Shoulder, Ivy and
Traditional Men's Clothing*

A Large Selection of
Collegiate Sportswear
STATE & JACKSON STS.
MEDIA, PA.
LO 6-7990

C. P. Snow

HIS LIFE AND WORK

(Continued from Page 1)

tor and man of affairs.

Snow was born in 1905, the second of four sons in a lower middle-class family living in Leicester. Snow's was a family strongly rooted in a stable, flourishing part of industrialised society; and consequently Snow's tone when writing about society, both the part of it in which he was born and the parts which he has got to know later, has always been deep-seatedly confident.

Snow won a scholarship which took him to Leicester University College—whose students took London degrees—where he got a First Class Honours in chemistry of such brilliance that he was awarded a grant to stay on and do research. He chose to work in the field of infra-red spectroscopy, which attracted him because of its susceptibility to theoretical study in terms of the current developing quantum mechanics. He took an M.Sc. in physics in 1928 and was awarded a scholarship which enabled him to go up to Cambridge, where he entered Christ's College as a research student.

At Cambridge the quality of his research was such that in 1930 his College elected him to a Fellowship, which meant that he might hope to find a permanent place in a university. His future career in scientific research looked as though it were settled. In the last few years, however, he had grown more certain, rather than less,

that his future career lay elsewhere; so he turned to literature.

In 1933 he came to a turning-point. It is impossible to sustain simultaneously a career as a research scientist and a career as a novelist. Original research and creative art both draw on the same source of psychic energy. Though they may exist together for a time, in the end one of them has to go. Snow's turning-point was a piece of research that went wrong through oversight. Snow went away and wrote *The Search*, his first serious novel.

On 1 January, 1935, Snow had the original idea—he records that the idea was quite sharp—for the chain of novels, which is commonly known as the Lewis Eliot series, and which has finally been given the title borne by the first book in the series, *Strangers And Brothers*. It is clear now that whereas *The Search* was a study of individual character against a background of society, *Strangers And Brothers* is a study, at once more penetrating and more revealing, of individual character acting upon society and reacting to it. By 1939 Snow had laid down the general pattern of the series and had written the first volume. Then war broke out.

During the autumn of 1939, Snow had been asked by a committee of the Royal Society to assist in devising the best way of organising university scientists for the war. In 1940 the function of this committee was for-

mally taken over by the Ministry of Labour, and Snow became a civil servant. He was thus brought into public affairs. During the war his chief role was to exercise personal judgement on how individual scientists might be best employed, in research, in government research establishments or industry, or as technical officers in the Armed Forces; and to plan how the number of scientists and engineers in the country might be increased.

Snow's role in affairs from 1945 was considerable, yet not easy to define. He participated in all the major appointments of scientists to the government service; and he acted as an essential point of reference in questions of official policy relating to scientific man-power and technological education. But one may presume that his major contribution, less formal and more permeating, was to bridge the gap between scientists, whose professional training tends not to encourage them in making human judgements, and men of affair, whose professional training may leave them something short of adequate when making scientific judgements. For his services to the country in public affairs a knighthood was conferred on him in 1957. However the time came when he felt he must free himself altogether from his formal commitments to official life, and in 1960 he retired from the Civil Service.

Ford Motor Company is:

challenge



Dale Anderson
B.A., Wittenberg University

At many companies the opportunity to work on challenging projects comes after many years of apprenticeship and a few grey hairs. Not so at Ford Motor Company where your twenties can be a stimulating period. There are opportunities to prove your worth early in your career. Dale Anderson's experience is a case in point.

After receiving his B.A. in Physics in June, 1962, Dale joined our College Graduate Program and was assigned to our Research Laboratories. Recently he was given the responsibility for correcting cab vibration occurring on a particular type of truck. His studies showed that tire eccentricity was the cause of the trouble. Since little change could be effected in tire compliance, his solution lay in redesigning the suspension system. Tests of this experimental system show the problem to be reduced to an insignificant level.

That's typical of the kind of meaningful assignments given to employees while still in the College Graduate Program—regardless of their career interest. No "make work" superficial jobs. And, besides offering the opportunity to work on important problems demanding fresh solutions, we offer good salaries, a highly professional atmosphere and the proximity to leading universities.

Discover the rewarding opportunity Ford Motor Company may have for you. How? Simply schedule an interview with our representative when he visits your campus. Let your twenties be a challenging and rewarding time.



The American Road, Dearborn, Michigan

An equal opportunity employer

NOW!

When Friends or Relatives
Come To Visit

Two

GREAT MOTELS WAITING TO SERVE YOU
WITH THE FINEST
IN OVER-NIGHT ACCOMMODATIONS

GREEN VALLEY MOTEL

WEST BALTIMORE PIKE, CLIFTON
OPPOSITE BAZAAR CENTER
MA 6-2100
AND

MILAN MOTEL

3306 PHILADELPHIA PIKE
CLAYMONT, DELAWARE
SYcamore 8-6601

Over 50 Rooms
15 Minutes From PMC

EACH ROOM FURNISHED
AIR CONDITIONED—T.V.
CARPETED FLOORS
ROOM PHONES

A.A.A. APPROVED

We are Happy To Accept
Diners Club and American
Express Credit Cards

CALL FOR RESERVATIONS
24 HOUR SERVICE