

"The greater the
Truth the greater
the Libel."

The Dome

Does the size of your
personal library
increase as the size of
the college library
decreases?

VOL. 20, NO.1

PENNSYLVANIA MILITARY COLLEGE

OCTOBER 7, 1965

Man in the News

Sun Oil VP Is PMC Trustee, Author & Education Leader

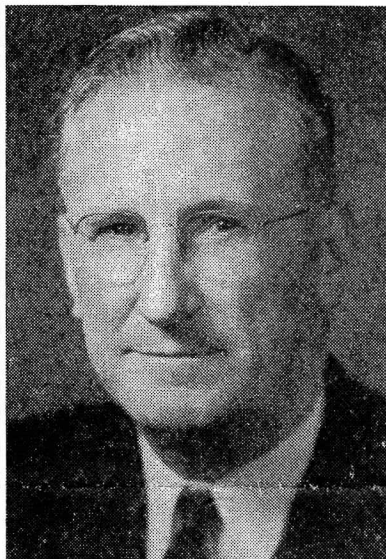
Dr. Chalmer Gatlin Kirkbride, to whom the new science and engineering building is to be dedicated on October 9, was born in Tyrone, Oklahoma in 1906. In 1930 he received both the Bachelor of Science and Master of Science degrees in Engineering from the University of Michigan and joined the research department of the Standard Oil Company of Indiana. Four years later, he took the position of assistant director of research with the Indiana subsidiary of the Pan American Refining Corporation, which is now the American Oil Company. Leaving there in 1942, he joined the Magnolia Petroleum Company, now part of the Mobile Oil Company, as chief of chemical engineering development. From 1944 to 1947, he held the position of Distinguished Professor of Chemical Engineering at Texas A&M College.

Joins Sun Oil

During this period, in 1946, he was also the scientific consultant to the Secretary of War in connection with the Bikini atom bomb tests. In 1947, he joined the Houdry Process Corporation as manager of the research and development division and became a director and the vice president in charge of research and development in 1948. He became president and board chairman of Houdry in 1952 and, from 1952 to 1956, was a director of the Catalytic Construction Company, its subsidiary.

In 1956, he joined the Sun Oil Company as executive director of research and engineering and was appointed to his present position of vice president in 1960 and director in 1963. Dr. Kirkbride is also a director of the SunOlin Chemical Company, a joint affiliate of the Sun Oil Company and the Olin Mathieson Chemical Company, a director and past president of the Avisun Corporation, a joint affiliate of the FMC Corporation and Sun Oil, and a director of

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DR. CHALMER KIRKBRIDE

Homecoming Activities

Homecoming Weekend begins officially with the Pep Rally on Friday night, Oct. 8.

On Saturday the PMC Cadets play host to Muhlenburg in the big game. At halftime ceremonies a new Homecoming Queen will be crowned. Following the game is the Senior Class Picnic.

At 8 PM Saturday night the Homecoming Dance will be held in the main dining room of MacMorland Center.

New Additions For Faculty

Menard Commandant O'Hara Returns

At the beginning of this academic year—the 145th in the history of PMC—the college is found in a state of flux. Metamorphosis has taken place internally as well externally. External change is apparent in the recently dedicated Kirkbride Hall of science and engineering, and in the breaking of ground for a new liberal arts center, library, and woman's dormitory. Internally, additions have been made to the faculty of all departments to cope with increasing student enrollment, now numbering approximately 1,250 full time students.

Military Staff Changes

Colonel Noel A. Menard, USA Ret., former Deputy Commandant, has succeeded Maj. Gen. William S. Biddle, who is now serving in the newly created post of Advisor for Military Affairs. Replacing Col. Menard as Deputy Commandant is Lieutenant Colonel Charles R. O'Hara, U. S. Army Reserve, Retired.

A 1937 graduate of the U. S. Military Academy, Col. Menard is a veteran of both World War II and Korean War. During World War II, he commanded the 1st Battalion, 328th Inf., 26th Inf. Div. in Northern France, Central Europe, and the Rhineland.

After paratroop training, he was assigned as Senior Advisor, 8th Div., Republic of Korea. He was named commanding officer of the 77th Special Forces upon his return to the States, and subsequently commanded the 1st Special Forces Group (Airborne) on Okinawa.

In 1962, he became Deputy to the Assistant Chief of Staff for Intelligence, U. S. Army, Pacific. Retired from active service in 1963, Col. Menard holds the Legion of Merit (twice awarded), the Silver Star, and the Bronze Star.

Lieutenant Colonel O'Hara, also a veteran of World War II and Korea, began military service in 1935 with

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New Hall Is Fine Addition

Has Sub-Critical Nuclear Reactor

On Saturday, October 9, the first building constructed solely for academic purposes at PMC will be dedicated. Kirkbride Hall, named in honor of Chalmer G. Kirkbride, vice president in charge of research and engineering at Sun Oil and member of the PMC board of trustees, is an organic part of a highly advanced science and engineering program based on an inter-disciplinary approach to education in these fields.

Designed by Alfred Pinepinto, A.I.A., with the functional reference points for the building developed largely by Professors Arthur T. Murphy, Joseph J. Storlazzi, and Leonard R. Mann, the ground floor accommodates those engineering laboratories requiring the use of heavy equipment; the second floor is given over to class rooms; the third floor contains engineering and physics labs; and the four floor contains biology and chemistry labs. The room is specially designed to serve as an "extra lab" for open air experimentation and for the mounting of antennas, telescopes, and radar. This level also contains an herbarium, animal room, radio sta-

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Announcement of Assemblies

There will be a student assembly for all students, including seniors, on Thursday, October 21, in the MacMorland Center dining room. All civilian students will meet first period at 8:00 a.m., and all cadets will meet sixth period at 1:00 p.m. Other assemblies have been planned for November 18, and December 16. The purpose of these assemblies is to establish better communications between the administration and the student body.

Gov. Terry Visits PMC

Former Student of Swarthmore College To Speak To Students In Alumni Auditorium

The first event of the 1965-66 Cultural Affairs Program at PMC will be a visit by the Honorable Charles L. Terry, Governor of Delaware. Gov. Terry, a former student of nearby Swarthmore College, will arrive at PMC on Thursday, October 7th. Upon his arrival at 11:00 A.M. the governor will meet with President Moll and the Young Democrats Club. At 11:20 A.M. there will be an honor guard for the governor in front of Old Main, after which he will visit Kirkbride Hall.

Governor To Speak To Students

Following a luncheon at 12:00 noon in the faculty dining room of MacMorland Center, Governor Terry will address the student body in the Alumni Auditorium at 1:00 p.m. After his address there will be a reception for the governor at 1:45 p.m. in the MacMorland Center.

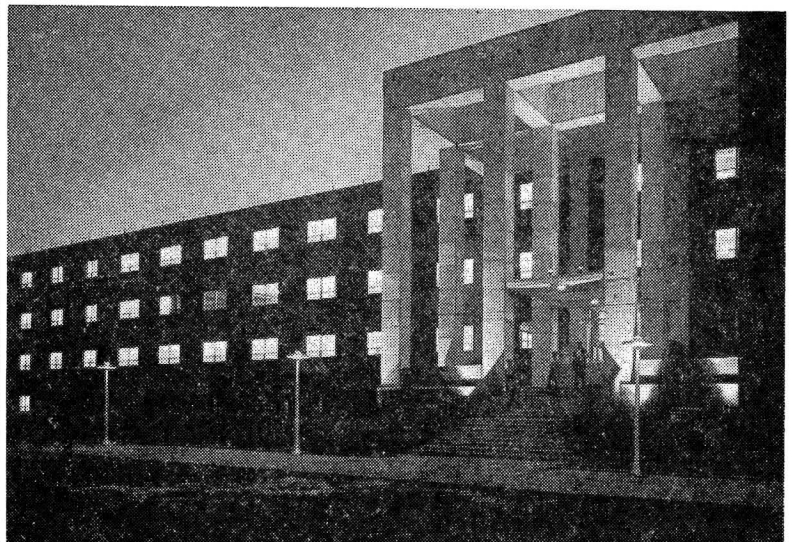
Sankowsky Exhibit

An exhibition of the paintings, prints, and sculpture of Itzhak Sankowsky will be on display in the lobbies of MacMorland Center and the

Alumni Auditorium from September 21 through October 19. Mr. Sankowsky, a teacher at the Philadelphia Museum of Art and Gratz College, has studied at the University of Florence and the Academy of Fine Arts in Florence, Italy. Dr. Sophocles, the Director of Cultural Affairs at PMC, considers "it a privilege for the institution to host the present exhibit," and believes that this exhibit will "stimulate an appreciation and lasting association with the great humanistic

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Night or Day, A Well Planned Building



NEW PROFESSORS

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the National Guard. He served at PMC as assistant professor of military science from 1952 to 1956, and as Assistant Commandant from 1962 to 1964.

Filling the gap left by Lt. Colonel Henry G. Phillips, former professor of military science, is Col. Samuel C. Smith. Commissioned in 1943, he has served in both World War II and the Korean War. His peacetime assignments have included duty with the Military Assistance Group in Pakistan, Dept. of the Army General Staff, Headquarters, 7th Army in Germany, and executive officer of the 1st Brigade, 3rd Armored Division.

Captain John R. McCullough, adjutant on the military staff, has taken over as line coach of the Cadets. A 1959 graduate of PMC, he was a standout tackle here for four years.

Liberal Arts Additions

New additions to the English department faculty are Dr. Diana E. LeSturgeon and Mrs. June Yaros. Dr. LeSturgeon, the holder of the BA, MA, and Ph.D from the University of Pennsylvania, has been appointed assistant professor of English. She has been on the faculties of Alabama Polytechnic Institute, University of Missouri, Pennsylvania State University, and the University of Pennsylvania.

Mrs. Yaros, a member of Temple's faculty for nine years, is a newly-appointed instructor of English. At present studying for her doctorate, she holds a Bachelor's degree from Boston College and a Master of Arts from Temple University.

John S. Bilinski, a former teacher at St. Joseph's College, has been named instructor of history here. He holds a Bachelor of Arts from St. Joseph's and a Master of Arts from the University of Pennsylvania.

Uoong Tack Kim, a former part-time PMC faculty member, is now here full-time as lecturer in political science. He received his Bachelor of Arts and Master of Arts at Texas Christian University.

Kornfield Gets Full Professorship

Dr. Nathaniel R. Kornfield, on the faculty of PMC since 1963, has been promoted to professor of engineering. Prior to joining the PMC faculty, Dr. Kornfield had several years of diversified electronic and computer experience in industry. He has held key positions in the Philco Corporation's computer division, RCA electronic data processing division, and the Burroughs Corp.

A lecturer in engineering in the Evening Division during the past academic year, Raymond P. Jefferis, III, is now an instructor with the department. He left the University of Pennsylvania with Bachelor of Science and a Master of Science degrees, and is working towards his Ph.D at that institution.

A teacher at Swarthmore College from 1962 to 1964, Mrs. Dorothy W. Wolfe has joined the PMC faculty this year as an assistant professor of mathematics. The recipient of the degrees of Bachelor of Science from the University of Illinois and Master of Arts from Wayne State University, she is currently studying for her Ph.D degree at the University of Pennsylvania.

A former geologist with the Sun Oil Co. and faculty member of the Evening Division since 1960, Richard P. Boekenkamp is now an assistant professor of biology and science. The holder of the Bachelor of Science degree from Franklin and Marshall

Kirkbride Hall Ceremony Set

The Kirkbride Hall dedication ceremony will begin at ten o'clock on the morning of Saturday, October 9, 1965, with an academic procession to the dedication area in front of the building. The PMC Band will play the National Anthem, and an invocation will be delivered by the Reverend John P. McGarvey, Rector of the Trinity Church of Collingdale, Pennsylvania.

Following the invocation, opening remarks and introductions will be made by the master of ceremonies, Mr. Lawrence P. Sharples, who will also, following some remarks by Dr. Moll, introduce the dedicatory speaker, Dr. Clarence H. Thayer of the PMC Board of Trustees.

After the delivery of the dedicatory address, Dr. Chalmer G. Kirkbride, for whom the building is to be named, will speak, after which the singing of the PMC Alma Mater will be led by Mr. Carl A. Wisneski.

Following the singing of the Alma Mater, Dr. Kirkbride will cut the ribbon, and Dr. Moll will unveil the plaque. The ceremony will then be completed with the benediction, which will be delivered by the Reverend James H. Guy.

The dedication ceremony will be followed by guided tours for the honored guests through Kirkbride Hall and a luncheon in the MacMorland Center.

College and the Master of Science degree from Cornell University, he is a candidate for the Ph.D. at Ohio State University.

Business Dept. Adds Four

John C. Sevier, a cum laude graduate of Temple University with a Masters degree from the University of Pennsylvania, comes to PMC from the faculty of Temple's School of Business Administration. He has been named assistant professor of business administration here.

Dale A. Buckmaster has been appointed associate professor of accounting. He has taught at the University of Oklahoma, where he received his Bachelor and Master of Business Administration degrees, and at Kansas State Teachers' College.

Dr. George M. Powell, formerly with Coe College, has come to PMC as associate professor of economics. He is a graduate of the University of Arkansas and holds the Master of Arts degree from the University of Minnesota and the Ph.D. from the University of Illinois. Dr. Powell has taught at Cuttington College, Liberia, where he introduced curricula in both business administration and economics.

Eugene Hassler, a CPA, has been named associate professor of accounting. He holds the degree of Bachelor of Science from Albright College and Master of Business Administration from Indiana University, and has taught at Lafayette College, Muhlenberg College, and Lehigh University.

Gabriel Lucas has been appointed assistant professor of fine arts at PMC. He has a Master of Arts degree from Columbia University and has studied at the University of Padua, Italy, and at the Liszt Academy of Music, Budapest, Hungary. A specialist in the Baroque period of art history, Prof. Lucas has had several of his compositions performed at Carnegie Hall, New York.

NEW BUILDING HAS MANY USES

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tion, and a penthouse with a lounge and meeting rooms.

Will house a sub-critical nuclear reactor

Kirkbride Hall will house a number of sophisticated pieces of equipment, among them a sub-critical nuclear reactor to investigate principles of power production by nuclear reaction. There are also neutron howitzers which may be used to stage controlled reactions for the purpose of irradiating and observing the behavior of irradiated materials. The reactor is licensed by the Atomic Energy Commission and will permit PMC to offer, for the first time, laboratory work in nuclear engineering.

There is a bio-medical engineering lab supervised by Dr. Eugene B. Spitz, nationally known neuro-surgeon and professor of engineering at PMC. The field of bio-medical engineering, still in its infancy, is expected to produce great advances in the field of medicine. Students will be cross-trained in aspects of engineering and medicine to familiarize them with the peculiar needs of each field.

A vertical laboratory fifty-two feet high

A digital computer lab has been installed for training in computer operation; additionally, the building houses an analog computer, wind tunnel, and two laser beam generators. Other unique features of Kirkbride Hall include a forum, which will accommodate 168 people, and a vertical laboratory fifty-two feet high.

Professor Leonard R. Mann, building design coordinator, noted that the functional design of the structure insures that every bit of space therein will be used to utmost efficiency. He further pointed out that the total cost of the building and equipment, just under \$2,800,000, broke records of construction costs in a building of this nature. The building cost alone was \$20.27 per square foot. Professor Mann noted that, in addition to the equipment already installed in the building, there are "hundreds of thousands of dollars worth of equipment presently being ordered and due to be installed shortly."

For the present, an estimated 90% of the classes at PMC will be conducted in the completely air-conditioned Kirkbride Hall. This situation will be altered as the current building program, to include a new library and liberal arts building, is brought to fruition.

PMC TRUSTEE

(Continued from Page 1)

the Delaware County National Bank. Active in Professional Organizations

A licensed professional engineer in both Pennsylvania and New York, Dr. Kirkbride is also very active in professional organizations. In 1951 he received the Professional Progress Award of the American Institute of Chemical Engineers and was elected its president in 1954. He is also a member of the American Chemical Society, the American Society for Engineering Education, the American Petroleum Institute, the Franklin Institute, and the American Ordnance Association.

In 1964, he was awarded the Engineer of the Year Award of the Delaware County chapter of the Pennsylvania Society of Professional Engineers, and, in April of this year, he was elected president of the Coordinating Research Council, which was

Council Pres. Seeks Unity

By Patrick Brennan

In the past four years at PMC the universal scapegoat for any function that has gone wrong on campus has been the cry of lack of communication between cadets and civilians, and a lack of communication between the elected student officers and the students themselves.

Pledges Unity

If in my term as student council President I can do something to allay this lack of communication, I will be quite satisfied that I have accomplished a great deal at PMC. I hope that this column will aid in a small way to keep students more informed of the workings of their Student Government.

This column will, at best, help to aid communication between student officers and students, but it will not help the lack of communications between cadets and civilians.

Because most of my extra-curricular activities and my studies are confined to the engineering field where the remaining students are glad to have survived, let alone, worry about friction, I am shocked when someone makes a comment to the effect that because I am a civilian, Student Council doesn't care about cadets, or because a class officer is a cadet, the civilians in the class won't get a fair break.

This is an attitude that all student council officers, class officers, civilian and cadet board officers try to fight. We are now officially two colleges, cadet and civilian, but the upper classman finds cadet and civilian inside the class room, we are still fielding one football team, and all major social events are combined. If members of each college watch the other with jealous eyes, rather than striving for individual improvement, this school will never achieve the status of which it is capable.

Activities Announced

The first major event on campus this year will be Homecoming. This year the decorations will be based on company competition inside the corps. The commuting day students will decorate the library, and the boarding civilians will decorate the old chemistry building. All groups decorating will be in the running for the cash prizes that will be awarded by Student Council.

A pep rally will be held on Friday night before decorations begin. There will also be a bonfire if we can find a place this year. The usual site is now under construction.

The dedication of Kirkbride Hall will be a big event in the weekend's activities. Since this is a building that all students will use, and since much of it was financed by the alumni who will naturally be there, a good showing of the student body would be a credit to the school.

created by the petroleum and transportation industries. He had been a director of the CRC since 1958 and was elected vice president in 1963.

Holds Educational Positions

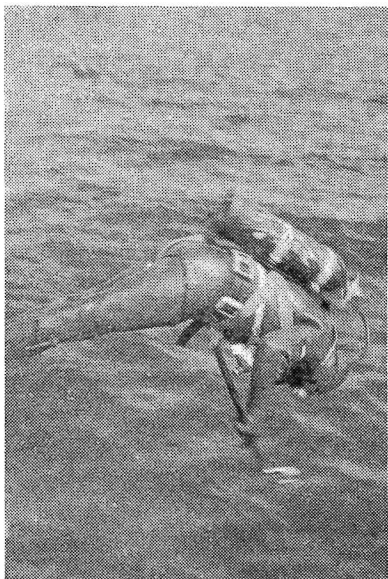
Dr. Kirkbride was elected to the board of trustees at PMC in 1956 and became one of its vice presidents in 1959. In addition to this, he holds many other notable educational positions. He was recently appointed to

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Diver - - - Down

By Mel Blumberg

Down we drifted into the dark unfriendly sea. One-hundred feet below us, the vague outline of the ocean floor came into view. As we descended, the water changed in color from blue to green and then to a uniform grey. Small schools of fish followed along behind us. The light became fainter, and the cold and the pressure closed in. Vague shadows



Harold Spencer, past president of the DELCO Diving Club executes a "text-book" entry into the Atlantic Ocean.

appeared at the limit of visibility. Perhaps the sharks would come today.

The Delaware Underwater Club had invited several of us to come along with them on an excursion to one of the better fishing areas along the eastern coast. Our charter boat, the "Captain Black," was eight miles out from Atlantic City when word was given to drop anchor.

No sooner had the rope ceased to leap and dance than we were over the side and in the water. We started down the anchor line hand over hand. One diver carried a camera, another a shark billy; the rest carried spear guns. At the thirty foot level most of us had been squeezed to the point of negative buoyancy, and our rate of descent increased. One of the divers braked his downward plunge to halt at the fifty-five foot mark. He motioned that he was unable to clear his ears. Any attempt to go further without being able to equalize the pressure of his internal cavities to outside water pressure could have ruptured an eardrum or caused hemorrhaging into a sinus cavity. Waving us past with a wink and a look of chagrin, he signaled that he and his diving buddy would see us on the bottom.

Sixty Feet Down

At the sixty foot level we passed through a thermocline, and suddenly the water was twenty degrees cooler. Everyone seemed to snuggle down into the protective warmth of his rubber suit. By this time many of the divers had released the line and were now free falling through the hydrosphere. One could control his rate of falling by the amount of air he breathed. A big gulp of air would increase buoyancy and decrease speed. By controlling rate and volume of air intake, it was possible to attain apparent weightlessness in the water. At last we reached the bottom. One-hundred feet above our heads was the

surface of the ocean and the comparative comfort and safety of the boat. We could remain at this depth for no longer than twenty-five minutes without decompression in order to avoid the dreaded bends.

The Ocean Floor

In groups of two and three, the divers went off in different directions to fish, photograph, or merely explore. Fish swam over to investigate the intruders. The spear fishermen set about stalking their prey.

Occasionally the dullness of the underwater world exploded into bursts of brilliant color as the photographers set off their flashbulbs.

We came upon a diver who was standing on his head peering into a hole the size of a dinner plate on the ocean floor. Suddenly he reached in and pulled a large lobster into the open. Swiftly he grasped the creature behind claws which had the power to crush a man's forearms and started for the surface. Most of the others had already run out of bottom time and were on their way to the upper world. Each clutched his prize flounder, lobster, or photograph. The sharks had not come.

In a few minutes we were up the boarding ladder, in the boat, and heading toward the shore.

The Skin Diver

What manner of man is this who forsakes the comforts of home in order to subject his wallet to the strains of hiring a charter boat, his body to tons of water pressure, and who pits his intellect against creatures that existed when man's far distant ancestors crawled from the sea?

Statistics show that skindiving is a family recreational activity in which the participants have a median age of 22.5 years, 37.1 per cent have a college education, and 23.9 per cent are engaged in professional or semi-professional occupations. Until three or four years ago, most skin divers were considered to be beachniks, who lived by their wits and slept in the sand. Their reputation as wild and careless made them unwelcome in many of the resort areas favored by conventional line fishermen. Thanks, in part, to Mike Nelson, Flipper, and Captain Cousteau, the sport of skindiving has attracted enthusiastic outdoorsmen and sportsmen, who have helped it to reach a respectable maturity. There is even a strong movement underway among colleges in the Northeastern United States to form an Intercollegiate Skin Diving Council with the intention of establishing skin diving as a competitive sport.

PMC Organizes Group

In the spring of 1965, a group of experienced divers banded together to form the Pennsylvania Military College Underwater Club. They undertook an ambitious education program and by the end of the semester had trained a nucleus of seven qualified divers. Members of several diving organizations particularly the Delco Club, lent their aid in the solving of the problems of organization and training of divers. The club co-chairmen report that membership in the PMC club is open, and the training of novice divers will continue this year in the skills of skin diving and scuba diving.

In addition to diver training, club

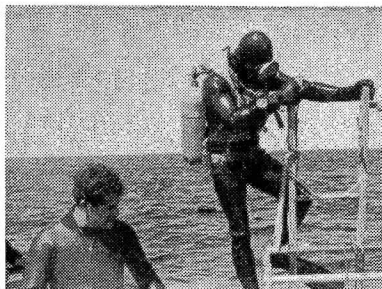
members plan to train Boy Scouts in life saving and swimming merit badges. Most of the members are qualified as Red Cross Senior Life Savers and two members hold instructor certificates. The instructors have agreed to conduct courses in Senior Life Saving during the fall semester on Saturday afternoons at the PMC pool. These courses will be open to all students of the school.

An active dive schedule which includes joint trips with other local organizations and sportsmen's groups has been set up.

The best diving areas are not made less inviting by the approach of winter. Some hearty souls actually claim to enjoy diving through a hole chopped in the ice of a frozen lake or quarry. Water which is frozen at a depth of twenty feet. A diver's rubber suit will make this temperature bearable, if not comfortable.

"Skin" and "Scuba" Diving

Many persons, seeing divers and their equipment, are curious about the difference between the terms "skin diving" and "scuba diving." In the technical sense, skin diving refers to the use by a diver of a mask, snorkel, and fins, and, perhaps, a protective rubber suit to ward off the chill of the water. Self contained underwater breathing apparatus (SCUBA) is the equipment used by the scuba diver. This apparatus consists of a tank of compressed air and a demand regulator valve, which supplies air at the proper pressure and flow rate for the depth and breathing rate of the diver.



A diver climbs the boarding ladder after surfacing from 95 feet. Equipment which appears weightless underwater weighs 75 pounds on the surface.

Many of America's estimated three million skin divers will be quick to point out that they are far safer chasing a fish along the floor of the ocean than they are while driving their cars to the diving area. The majority of the stories about diving that make the newspapers, however, are about drownings and shark attacks.

Careful Training Necessary

A careful look at the facts will usually show that these misfortunes befall the untrained, inept, or careless divers. There are good profits to be made in the rapidly expanding diving equipment industry, and, as in many cases where legislation has not kept pace with growth, the hucksters have moved in. These men, often untrained in, or contemptuous of, safe diving practices, are often found at the big resorts, where they offer quickie "learn-to-dive" courses. They are always careful to obtain a signed release before the student enters the water. The "training" program they offer is usually about three hours in duration. Authorities consider twenty hours of instruction to be the absolute safe minimum, and the better novice courses consist of forty-five hours of classroom and pool work.

All too often, well meaning parents will buy, or allow their children to buy, mail order equipment complete

with do-it-yourself diving instruction manual. These self-taught divers usually end up as statistics. In an attempt to prevent such needless loss of life, three organizations have set up standards for the training of civilian sport divers.

Good Courses Are Available

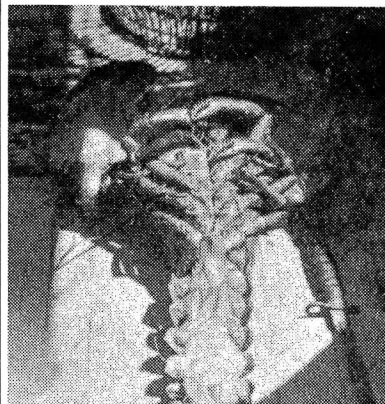
The most widely accepted is the YMCA Standard Course for Skin and Scuba Divers and Instructors, which was established in 1959. The National Association of Underwater Instructors (NAUI) has been training divers and instructors since 1955. The earliest, but smaller and more localized, group is the Los Angeles (California) County Department of Parks and Recreation, which has trained over three-hundred instructors since 1953.

Experts in the field feel that, ultimately, colleges will be training most of the divers and, indeed, twenty-nine per cent of the colleges in the United States do offer diver training as part of their aquatics program.

The Cost of Equipment

Many prospective divers ask the price of a good set of diving equipment. This question is somewhat the same as asking how much an automobile costs. The answer depends upon how many extras are desired. A minimum expenditure is about \$125.00, and the average cost is about \$250.00. Quality equipment, properly cared for, will usually last for five years without major replacements being necessary, but it takes more than good equipment to make a good scuba diver.

A good scuba diver must be, primarily, an able swimmer. Most experienced divers are also competent in lifesaving and first aid. Strangely enough, the most common cause of drowning among divers is not the result of deep dives, but rather a result of the physical exertion of swimming on the surface after ascending from the depths. Although divers must keep themselves in top physical condition, age and physique are not the only determining factors in diving ability. The ability to function under adverse conditions in an unpredictable environment is also very important. Many good divers are grandparents, and women have been known to continue diving late into their pregnancy.



A nine pound lobster twenty-seven inches in length will make good eating for the family of some intrepid diver.

In general, a prospective diver should be a good swimmer with no serious physical defects. He should have natural curiosity, a spirit of adventure, and enough natural caution to avoid the dangers of a strange environment. He should have enough money to invest in safe equipment and be willing to spend the time and effort it takes to complete a certified training course. He will then be prepared to participate in one of the most exciting of all sports and aid in the conquest of the last great frontier . . . the underwater world.



From the Commandant

So many people have said "I hope you have a good year" that I think it would be good to reflect on what a "good year" might look like.

For a good year, the inventory of essential assets wouldn't be too long a list.

We'd need some evidence of personal, individual pride — the kind that can multiply into Corps-wide esprit, of the variety found only in groups who feel they have a special dedication to something bigger than themselves.

We'd need considerable determination to "live by the rules" — not just for the sake of the rules, but rather as an outward sign of a belief in what we are.

We'd need a whale of a lot of "setting the RIGHT example," and a lot less of "setting the WRONG example."

We'd need some singleness of purpose of the kind that eliminates indecision as to whether we have a real or a phoney system to live by.

We'd need some reciprocal inspiration between individuals, between classes, between companies, between the office and the Corps.

We'd need continuous self-appraisal leading to recognizing and correcting our own faults before we complain about the faults of others.

We'd need a MAN inside every uniform.

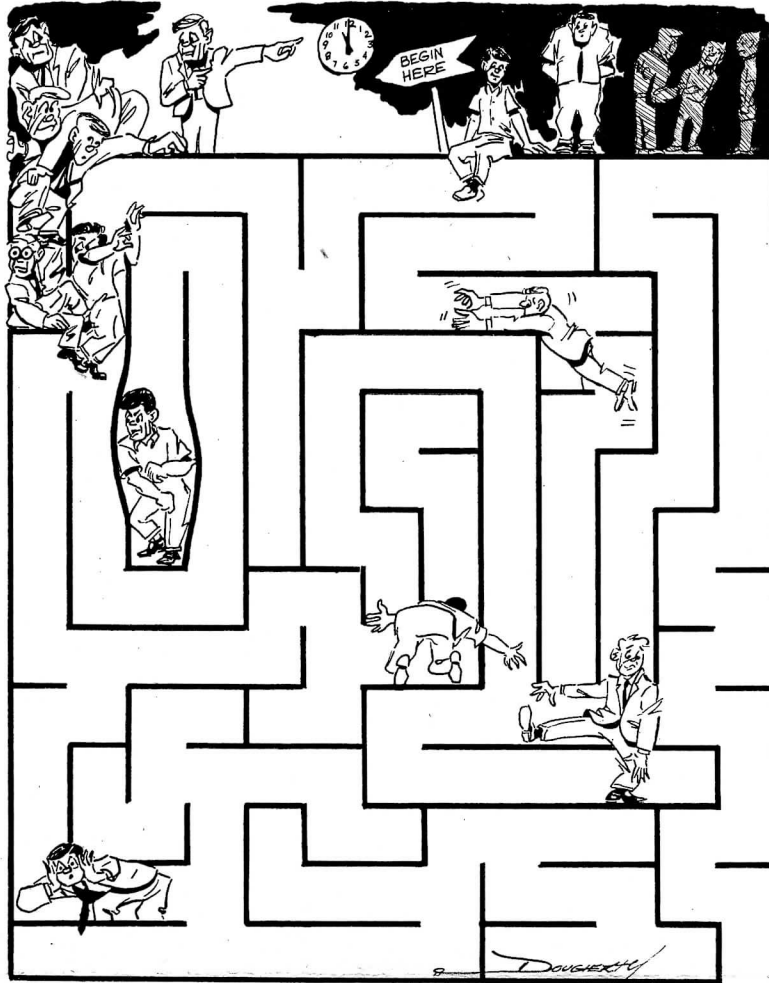
And then we'd need to feel that there's some urgency about all these things.

With all these things we could have a good year — we could even forge ahead quite a bit.

In any case, a good year for me personally, would be one where step by step — or hopefully, by leaps and bounds — "viewing with alarm" turns to "pointing with pride."

A limited number of openings are now available on THE DOME Staff. Anyone interested in the preparation of this bi-monthly publication should attend the meeting on Wednesday, October 13 at 7:30 p.m.

REGISTRATION WAS A-MAZE-ING



"Confusion Now Hath Made His Masterpiece"

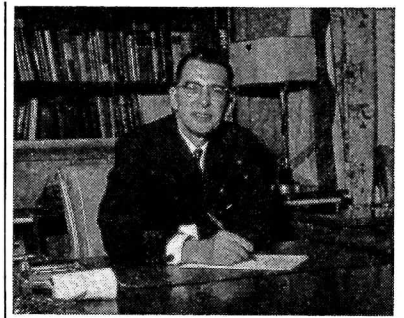
MacBeth Act II, Scene III

It would be well to begin the year editorially on a pleasant note, but inasmuch as the academic year began on such an unpleasant note, we ought rather to forego pleasantries and question why registration at PMC has to be a semi-annual wreck of confusion and bitterness. Each year we think PMC has struck bottom, and each year we are proved wrong as PMC goes on seeking new nadirs in the matter of getting the student into the classroom.

The confusion so exceeded idiocy as to raise a question whether it could have been brought about by sheer administrative bungling, or whether some team of brilliant minds had conspired to translate into reality some hideous Kafkaesque nightmare. Just fancy. Who could accidentally, in temperatures between 80 and 90 degrees, have contrived to move the financial clearance table out of a relatively cool room in Old Main into the still cooler shade of that building, and to have made hundreds of students form a line — degenerated into a mob — through the confined, windowless, and stinking hot bowels of that same building to reach the clearance table. Normally, office work is done inside and lines form outside, but here we have the office work done outside and the lines formed inside. (Think of the architectural revolution this could cause if it spread.) The mind boggles at the thought that mere indifference or ignorance could have caused this reversal in procedure. The most sophisticated psychological warfare teams would look with envy upon such an ability to create so much discomfort and disaffection, so effectively and efficiently, and for so many people in such a short time.

The matriculation increases each year, and each year the same old *ad hoc* approach to registration prevails. Each year complaints are voiced, and each year they are ignored, presumably in the typical assumption that if ignored the problem will somehow evaporate or that the complainants will grow weary and fall silent. Such naiveté is touching, but unavailing.

Admittedly, we know of no easy solution to the problem. We do know, however, that members of the PMC staff have offered to go to other colleges and observe their registration procedures. They have not been given this opportunity. A possible beginning to alleviating the problem, in addition to observing other college procedures, might be to devise either a class breakdown or an alphabetic breakdown of students to be registered and assign them spaced times to appear for registration. It is utter nonsense to try to register roughly a thousand students in the course of some two hours with the aid of a harried handful of clerical workers snatched willy-nilly from their normal routines to aid as the size of the mob and the severity of the problem increase concomitantly. This is unfair to them, it is unfair to the student government organizations tasked with aiding registration, and it is grossly unfair to the students registering.



From the President

The open space west of Chestnut Street gives PMC a new look and a new feel. It gives the College the opportunity to flex its muscles. With Kirkbride Hall a reality, each and every one is striving to provide the other units that are needed to round out our campus development — a new field house, a library, a classroom-learning center, a health center, and that mundane thing called parking. At no time has there been greater promise for their accomplishment.

Although buildings build morale, they are only supporting facilities provided to give you the opportunity for a better education and to give the faculty better instruments with which to work.

This is a student-centered year at PMC as the cadet and civilian colleges take independent form within a university-like structure. In the belief that the dual structure will better serve both student groups, this is not an artificial separation but a real one. Each group is encouraged to develop itself as a separate entity with its own traditions and its own objectives. The effort to separate freshman sections by basically dissimilar student bodies can help each attain its own superiority. In doing so, may I urge a healthy competition between groups — athletically, socially, and academically, but, in the interest of each, that you appreciate the objectives of the other for what they are and encourage them to achieve their best in their own way. Collectively, the students (cadet and civilian) and the faculty and administration can make PMC one of the outstanding colleges of America; in fact, we will.

Watch for article on the Rangers, by Mike Stalkus, in next issue, October 21.

THE DOME

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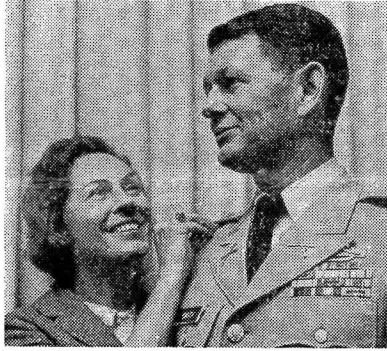
MILITARY MUSEUM

Battery Robinette and the Signal Club have taken on the monumental task of co-sponsoring the PMC Military Museum project.

The two Military Science Division activities will spend the next weeks, months and probably even years in researching, collecting and displaying both antique and modern day military ordinance in hopes of making PMC's military museum not only an attraction on campus but also one of the finest in the country.

The project is an ambitious undertaking and will require the support of everyone to make it a success. It is hoped that not only students, but also the college faculty, administration and certainly the alumni will keep their eyes and ears open for the possibility of any donations of equipment, however insignificant, that will help in the development and growth of the museum.

Any individual desiring to assist in this manner may please contact either Captain Philbrook or Captain Caddigan, both of the Military Science Division.



COL. SMITH PROMOTED

The recently appointed Professor of Military Science at PMC, Col. Samuel C. Smith, was promoted from the rank of Lt. Colonel to the rank of Colonel on September 24.

The new insignia was pinned on by Pres. Moll and Mrs. Smith at the ceremony conducted in the office of the President on September 28. Also in attendance at the ceremony were Col. Schaubel and members of the PMC Military Science Staff.

MAJOR GENERAL GIBBS

On Thursday, October 28, Major General David P. Gibbs, Army Chief of Communication-Electronics, will present a charter installing the PMC sub-chapter of the Armed Forces Communication-Electronics Association (AFCEA) in ceremonies to be held at the college. The PMC group will function as a sub-chapter of the Philadelphia AFCEA.

The association, a group of civilian and military personnel sharing a common interest in electronic communications and photography, seeks to promote an interest in electronics and to encourage young men in careers along these lines.

The sub-chapter has accepted the considerable task of establishing and operating a college amateur radio station. The organization has already acquired a radio transmitter, which was donated by the estate of Cadet William Bohan, who was killed in an automobile accident last year. The additional equipment required in order to begin operation may be made available through gifts from industrial and business sources.

CULTURAL AFFAIRS

(Continued from Page 1)

values that the artist reveals."

Leading Sociologist To Speak

On Thursday, October 14, Dr. Otto Pollock will speak in the amphitheatre of Kirkbride Hall at 1:00 P.M. The subject of Dr. Pollock's talk will be "The Negro Revolution." Dr. Pollock, a professor of Sociology at the University of Pennsylvania, is a distinguished scholar whose studies and comments have been a guidepost for sociologists and for all who are concerned with the rightful place of the

Negro in the American Community.

Baltimore Symphony Orchestra Featured

Other highlights of this fall's Cultural Events Program will be a series of conferences and lectures on Sunday, November 14, honoring Dante's Septi-Centennial Anniversary; and on Friday, November 19, a performance by the renowned Baltimore Symphony Orchestra.

Cloak and Dagger

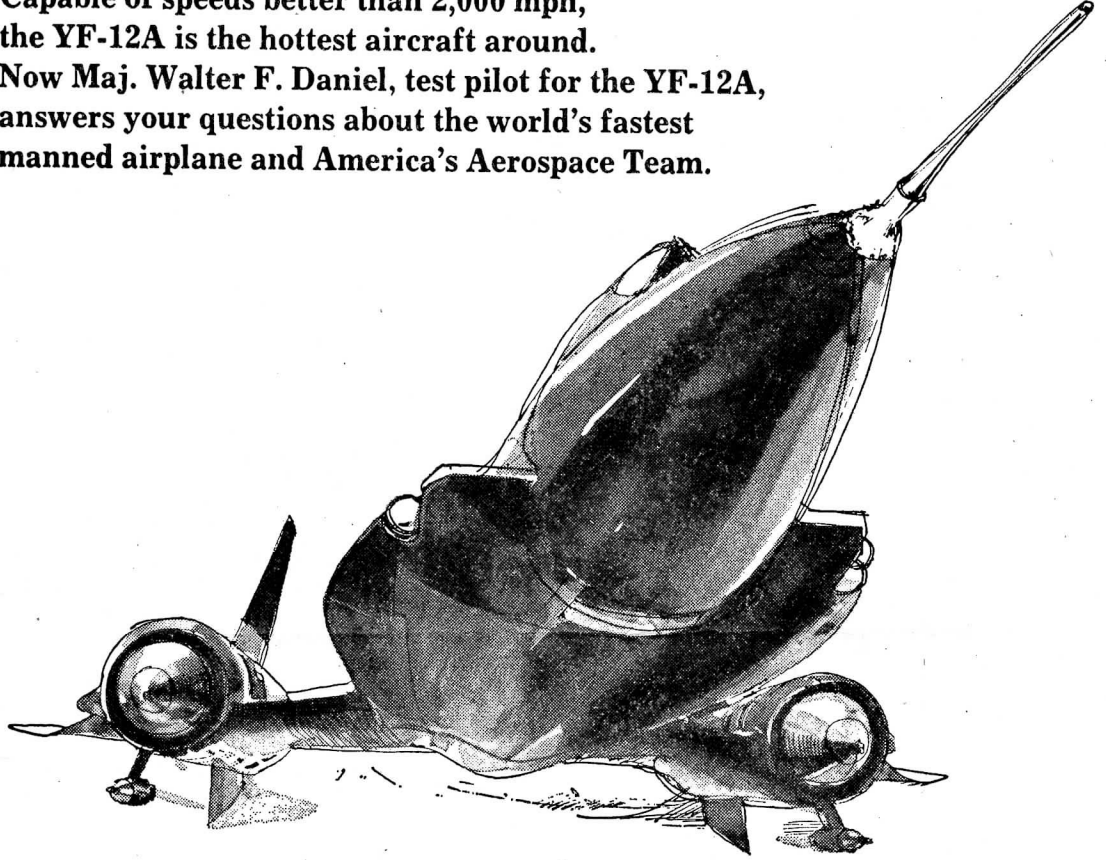
Pennsylvania Military College's repertoire theatre company, Cloak and Dagger, will begin preparation of the first production of its current season

on October 9, it was announced by the companies director, Prof. Edwin Kubach. This first work will be *The Hasty Heart*, a comedy written by John Patrick, author of *The Tea-house of The August Moon*, and is scheduled to be presented Nov. 12.

Kubach extends an invitation to all students and faculty to investigate the opportunities of membership in the theatre organization.

Since its creation early in 1964, Cloak and Dagger has been acquainting its members with all aspects of drama as well as providing entertainment for the college community.

Capable of speeds better than 2,000 mph, the YF-12A is the hottest aircraft around. Now Maj. Walter F. Daniel, test pilot for the YF-12A, answers your questions about the world's fastest manned airplane and America's Aerospace Team.



(Maj. Daniel, a test pilot since 1954, is a member of the Society of Experimental Test Pilots. He received a B.S. degree in Aeronautical Engineering from the University of Oklahoma. In February 1962, he set world class time-to-climb records in a T-38 jet trainer.)

Is the YF-12A the world's fastest manned aircraft?

It certainly is. On May 1 of this year the YF-12A (formerly known as the A-11) reclaimed the world absolute speed record from the USSR. It was clocked at 2,062 mph over Edwards Air Force Base.

How big is the YF-12A?

The exact dimensions of the YF-12A have not been released yet. But it's approximately 100 feet long, with about a 50-foot wingspan. That's half again as big as our present interceptors!

Is the Air Force training many men as pilots these days?

Yes, very definitely. In spite of all you hear about unmanned vehicles, the human pilot is still very much in the picture. As a matter of fact, the Air Force pilot quota is on the increase.

What other kinds of jobs does the Air Force offer?

Since it's one of the world's foremost technological organizations, the Air Force has plenty of openings for scientists and engineers. There are also many challenging and varied administrative-managerial positions.

What do I have to do to become an Air Force officer?

Air Force ROTC is the best way to get started as an

Air Force officer. The new two-year Air Force ROTC program makes this method available to men who have already completed a year or two of their college education. For college graduates, if you did not take advantage of ROTC, you can still get started through Air Force Officer Training School (OTS), a three-month course open to both men and women.

Can I keep up my studies while I'm in the Air Force?

The Air Force encourages its men and women to continue their educations. For instance, you may qualify to study for a graduate degree during off-duty hours, with the Air Force paying a substantial part of the tuition.

What kind of future do I have in the Air Force?

A bright one. As we move further into the Aerospace Age, the Air Force is going to grow even more important. And you can grow with it!

United States Air Force.

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Absolutely Athletics



Cadets practice before Western Maryland Game.

THE NAME OF THE GAME FOOTBALL

The 1965 football season officially opened for PMC on October 2nd at Western Maryland. However, to 45 candidates, it all began just after Labor Day. From these 45 candidates, which included 14 returning lettermen, will come the top 11 men who will go against some of the strongest MAC teams seen in years.

Injuries have been at a minimum during the past two weeks of practice. Head Coach Art Raimo and his staff have been very optimistic over the results of daily drills. Assisting Coach Raimo this season will be backfield coach Stan Freedman, end coach Chuck Hall, and a new line coach, Jack McCullough, who was a football star at PMC himself back in 1959.

Coach Raimo, beginning his second season at the helm, intends to change his offense from an unbalanced T strong side split end, to a varied pro-offensive.

Yarnall Key Man

Bill Yarnall, who led the Cadets in total offense and had a 51% pass completion record last season, is the key ball handler again this year. Bill's talents are varied and he will probably be called on to punt. He is also capable of running well with the ball on the option. Yarnall's favorite receivers will also be back in action this year. They are ends Bob Grosch and Bob McGuiney, and fullback Frank Pellegrini. The big question was who will replace Joe Carter? This is the big offensive loss that could possibly hurt PMC this year. However, Coach Raimo has several promising backs, and at press time, he was considering Dick Cartwright to fill that gap.

With the new rules liberalizing substitutions, Coach Raimo is expected to use offensive and defensive platoons as much as possible. The offensive line will be small this year, but with excellent speed and experience. The forward line will include Grosch (200), Goebel (198), Grasser (185), Wonderland (185), Templin (195), and Bob McGuiney (195). The backfield will probably consist of Joyce (160), Pellegrini (175), Cartwright (180), and Yarnall (175). There is a possibility that Coach Raimo may use five of his players on both offense and defense. They would be Wonder-

land, Geter, Piela, and the McGuiney brothers.

Three Sophs who have shown promise the past two weeks have been Bill Creamer at end, guard Bob Chang, and center Dick Spielman.

The team again this year will have three captains. They are quarterback Bill Yarnall, tackle Chick Goebel, and an E.C.A.C. All-East weekly choice last season, center Pete Rohana.

BLACK SATURDAY

It is extremely difficult to decide which PMC team, Football, Soccer, or Cross-Country, started the ball rolling last Saturday afternoon. Let's say it was cross-country, because their starting time was 1:45. Approximately 29 minutes and 21 second later, the PMC Harriers suffered their most devastating afternoon in running competition since 1962. In a double-duel meet at Lancaster, Pa., the famed "Poison Ivy Five" were calamed by Haverford, 26-30, and by F&M, 27-29. The only bright light to shine for PMC on that gloomy afternoon was Dave Irons who romped home first, more than 300 yards ahead of the second place man. Rounding out the "Five" for PMC were Dave Driscoll (4th), Bill Cramer (10th), Charlie McCoy (12th), and Mike Kormanicki (17th).

Way down in Maryland, the PMC football team was getting its knocks, but looking a lot better than last year's team. A great rally fell short as the Cadets drove to Western Maryland's 38 with less than five minutes to play; but Bill Yarnall, who played a tremendous game at quarterback, could not move the team into field-goal range — the defensive line of Maryland held — and time ran out.

Western Maryland jumped off to a 7-0 lead late in the first quarter. Neither team could score in the second quarter as PMC lost out on several chances. Then, the Cadets exploded in the third period. Joe Piela ran off-tackle to the left, several plays after a Maryland fumble, to put PMC on the scoreboard. The attempt for a two-pointer on the conversion failed. This was possibly the deciding factor on the final 15-14 score.

PMC's second touchdown was set up by Yarnall passes to ends McGuiney, Grosch, and Goebel. Halfback Frank Pellegrini took a handoff from Yarnall and then sweeping left end, raced 24 yards for a TD which

PMC TRUSTEE

(Continued from Page 2)

Drexel Institute's Visiting Committee of the College of Engineering and Science.

He is a member of the Advisory Committee of Chemical Engineering at Rutgers University, the Chemical Engineering Visiting Committee at the Carnegie Institute of Technology, and was a member of the Chemical Engineering Evaluating Department of the Pennsylvania State University.

Twelve Patents and

Two Honorary Degrees

Dr. Kirkbride has received honorary degrees from Beaver College and the Drexel Institute of Technology. He is also the holder of twelve patents and is the author of *Chemical Engineering Fundamentals*, a text which was published by McGraw-Hill in 1947, and numerous periodical articles; and he is listed in *Who Knows and What Among Authorities Experts and the Specially Informed*.

In announcing that the new science and engineering building was to be named for Dr. Kirkbride, Dr. Moll said that it "is fitting recognition of a man who has contributed much in the form of educational and financial

put the Cadets in the lead. On the conversion PMC went for two points again, and this time a pass from Yarnall to Tim Joyce was successful.

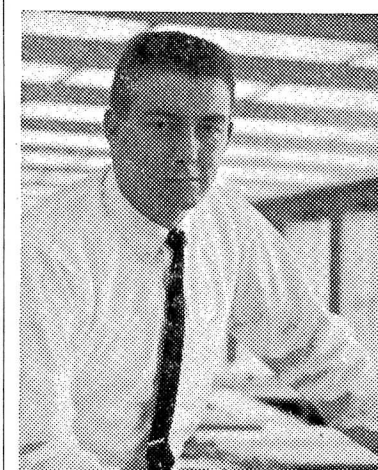
And then we come to Act III of our tragedy. A very aggressive soccer team suffered some bad breaks and lost their opener 3-1 to Eastern Baptist. EB tallied first in the opening period, but PMC bounced back via Joe Quiros who took a pass from Bruce Sillaway and nailed it past the goalie and into the net. The score remained 1-1 until the third period when EB gained two more goals on PMC miscues. One was scored on a penalty kick and the other on a hard boot which just breezed past the PMC goalie's ear. The score, however, does not reflect the fine fight and excellent quality of play that the Cadets showed.

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leadership to the College," and "Pennsylvania Military College is proud to perpetually identify Dr. Kirkbride with this new building.



DON McCANN

(M.E.) of the '60 Bethlehem "Loop" Course is a key man in the engineering department in our giant plant near Buffalo, N.Y. He's typical of young men on the move at Bethlehem Steel.

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Academic Rules Are Amended

The following revision of the probation rule as stated in the 1965-66 STUDENT HANDBOOK was passed by Academic Council on 20 September 1965.

Delete under ACADEMIC RULES AND REGULATIONS, pp 71-73, of the 1965-66 STUDENT HANDBOOK, Sections I. A, B, C 1, 2, D 1, 2, E and I. Substitute for these sections the following:

Any matriculated full-time student shall be considered to be in good academic standing. However, any student who fails two courses in a semester ("course" for this rule shall be interpreted as any course carrying three semester hours or more of credit) or has a cumulative quality point average of less than that required for graduation shall be required in consultation with his division chairman or counselor to reduce his regular program of studies as outlined in the catalogue by at least one course beginning with the following semester and contin-

uing until he has attained the cumulative average required for graduation. Although a student in good academic standing is eligible to participate in extracurricular activities, he may be required at the discretion of his Division to reduce these activities.

Any student who (1) receives a yearly academic average of less than 1.00; or (2) except for a first-semester freshman, has three or more course failures outstanding on his record shall be dropped from the College for academic failure. Any student operating on a reduced schedule as a result of unsatisfactory earlier achievement will have his record reviewed at the end of the academic year by a board comprised of the Academic Dean, the Dean of Student Personnel, and the Division Chairman concerned, or their appointee, to determine whether the student should be dismissed or under what conditions he should be allowed to continue.