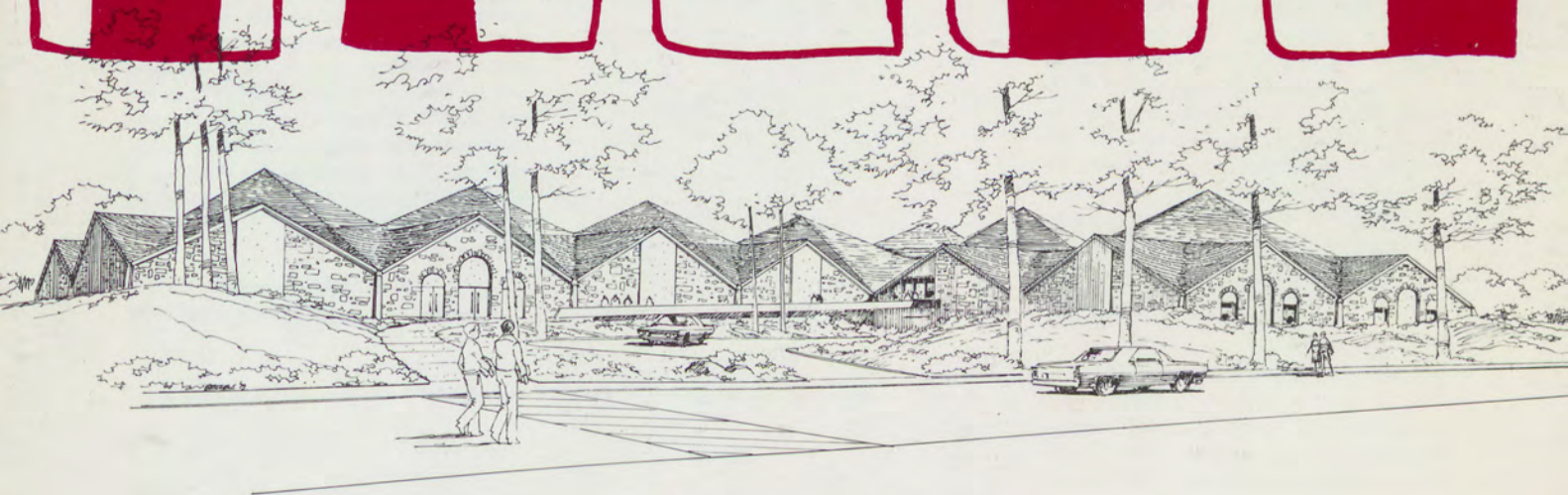


DICKINSON

Alumnus



FEBRUARY 1979

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WOMEN IN ACADEME

LIBERAL ARTS MEANS BUSINESS

Letters to the Editor

To the Editor,

I note your item in the November issue having to do with the Mermaid. As one of the group who, to the best of my knowledge, were the only ones to hang a bicycle on the Mermaid—back in 1914—I read the item with usual interest.

I never heard of anyone “falling to his death from the dome.” I am quite sure that had this happened in the late 1800s or early 1900s those of us who entered in 1914 would have been aware of it.

The tree to which you refer was not present in 1914. Those of us who, from time to time, visited the Mermaid did so through the hatchway in the cupola.

My information may be erroneous but it is to the effect that the Mermaid has been declared off limits as the result of ERA. I gather that traditional Mermaid assaults by males only were regarded as discriminatory. It seemed to me a bit strange that this should be so. If instead of the Mermaid—which from both sides is obviously female—the cupola supported a statue of Neptune assault would so to speak, be a natural reaction of the distaff side.

Sincerely,
Frank E. Masland '18

To the Editor,

It was good to learn in the November ALUMNUS that Ambassador Carol C. Laise has become a member of the College's new Board of Advisors and to read about her impressive accomplishments. However, many Dickinsonians will be interested also, I believe, in her special ties to our College which come to her as the daughter of Fred Laise, class of 1906, who was long active in alumni affairs and as the step-daughter of Julia Delavan Prince Laise, class of 1913.

Sincerely,
Walter E. Beach '56

The ...
DICKINSON COLLEGE
Alumnus

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THE WEATHERVANE

This fall I discovered small concrete squares imbedded in the ground in front of Old West. I noticed them because they share the area with a particular dogwood tree which some of us have been watching anxiously. Ice and snow during the past two winters broke several of its branches and the tree is a bit thin.

After those two devastating seasons, followed by a summer of roof work, all of the bushes and plants in front of Old West and around the dogwood are more sparse. Now that more ground is visible, the small concrete squares came to light. It was fun to speculate about what they might designate: buried secret records, a pet cemetery, stepping stones to an elf's residence—all sorts of things suggested themselves.

The next step was to look more closely and see that each of the dozen or so pieces of concrete is impressed with a year, 1957 for example. Now the mystery became more intriguing: the resting place of freshman dinks, a copy of *Microcosm* deposited under each one for future generations to read—anything was possible.

George Eurich of buildings and grounds had the answer, and none of the mystery's romance was lost. Each square, Mr. Eurich said, corresponds to trees and bushes planted by the graduating class whose numerals are in the concrete.

What marker goes with the struggling dogwood doesn't matter, although the parent class might like to know it is striving mightily. This spring, when our friend again puts forth white blossoms, its foster parents can share the class's relief. That dogwood has an on-campus rooting section.

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Life/Sports Learning Center

Leonard G. Doran

It's official! Dickinson will get a new gymnasium. The trustees have approved plans for a completely modern, 80,000 square foot facility to be known as The Life/Sports Learning Center.

A drive to raise the necessary funds for the new structure was kicked off at a dinner meeting in the Holland Union Building on campus on January 26, 1979.

It has been clear for some time that the present Alumni gymnasium no longer serves the needs of the student population. Built in 1929 for a student body of 574, this handsome old building is simply outgrown and worn out. Present demands for intercollegiate athletics, intramural activities and physical education classes mandate gymnasium hours which extend regularly to one and two o'clock in the morning.

Replacement of this structure is critically needed for two major reasons:

- (1) to provide ample facilities for a forward-looking program which will clearly link physical education with liberal arts education;
- (2) to assure full strength for Dickinson in the highly competitive admissions market of the 1980's.

Ideas for a new gym began to take shape in a series of long-range planning seminars launched in 1974 with faculty, students and administrators participating. Comprehensive long-range plans were discussed by President Sam A. Banks with alumni at a series of 20 "town hall" meetings across the country in 1977-78. Alumni from Boston to Los Angeles agreed that a physical education center was the number one priority among building needs.

In 1977 the fund raising potential of the College's various constituencies was surveyed. The development committee reported to the trustees an indi-

cated capacity to meet a \$5 million goal over a three-year period with strong indications of an additional \$5 million over a longer period of time.

All planning studies and surveys, including alumni "town hall" meetings, showed, in addition to the primary need for a physical education facility, recognition of a strong need for increased endowment, especially for student financial aid.

At the March 1978 meeting the trustees, led by Board President Samuel W. Witwer, approved a two-phase development program with a total goal of \$10 million. Phase I to be conducted over a three-year period is to raise \$5 million for the new Life/Sports Learning Center. Phase II covering a subsequent seven year period will be for \$5 million to strengthen the College's endowment, primarily for financial aid.

The drive will be headed by J. William Stuart '32 as national chairman with Harry C. Zug '34 as co-chairman. The alumni division will be led by Bruce R. Rehr '50 with Patricia Hitchens Shaver '64, Weston C. Overholt, Jr. '50, and Benjamin D. James '34 as co-chairpersons.

"The construction of the new Life/Sports Learning Center could be one of the most significant events in the history of the College," says Dickinson's twenty-fifth president, Sam A. Banks. "In higher education we must do more than increase man's store of knowledge. Through imaginative teaching and study we must assist our students in developing into citizen leaders with broader and clearer perspectives, greater awareness of their values, and the ability to live with purpose in a world of profound and rapid change.

LEONARD G. DORAN is executive director of the College's division of communications and development.

"That process of liberating learning stretches beyond the classroom into such areas as physical education and recreation. Our Life/Sports Learning Center can be a laboratory where liberal arts students explore lifestyles, values, and beliefs learned in sports that shape life and work for the rest of their years."

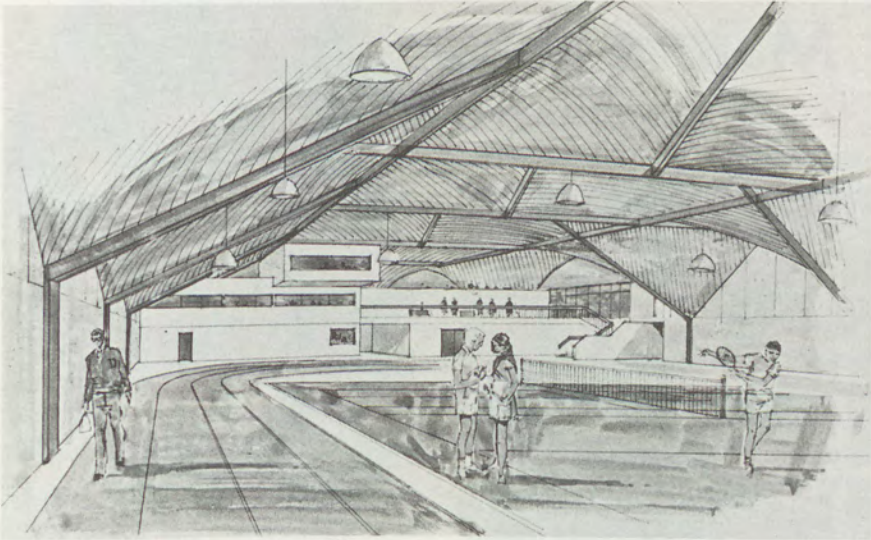
To select an architect for the new facility the trustee planning committee interviewed eight architectural firms, studied their proposals, and visited some of their clients. The ultimate and unanimous choice was the firm of Daniel F. Tully Associates of Boston. Tully is a specialist in the design and construction of physical education facilities. His firm has designed gymnasiums for many colleges and universities, including Amherst, Boston College, Brown, Georgetown, Middlebury, and Ohio Wesleyan.

The center will be located in accordance with the College's master plan on a triangular plot bounded by Cherry Street, West High Street, and Biddle Field.

The new Life/Sports Learning Center will include a multi-purpose gymnasium with varsity basketball court and four practice courts. There will be seating for approximately 2400 for varsity events. The courts will be encircled by a 200-meter track. The multi-purpose space can be used for tennis, volleyball, archery, gymnastics, wrestling, golf practice, field events, such as pole vault and long jump, and all kinds of net and mat sports.

The entire gymnasium space will seat 5000, providing amply for all-College convocations, indoor commencements (in case of rain), and other large gatherings. It will have the largest seating capacity of any auditorium space in the Carlisle area.

There will be a 25-yard, 8-lane swimming pool with separate diving tank



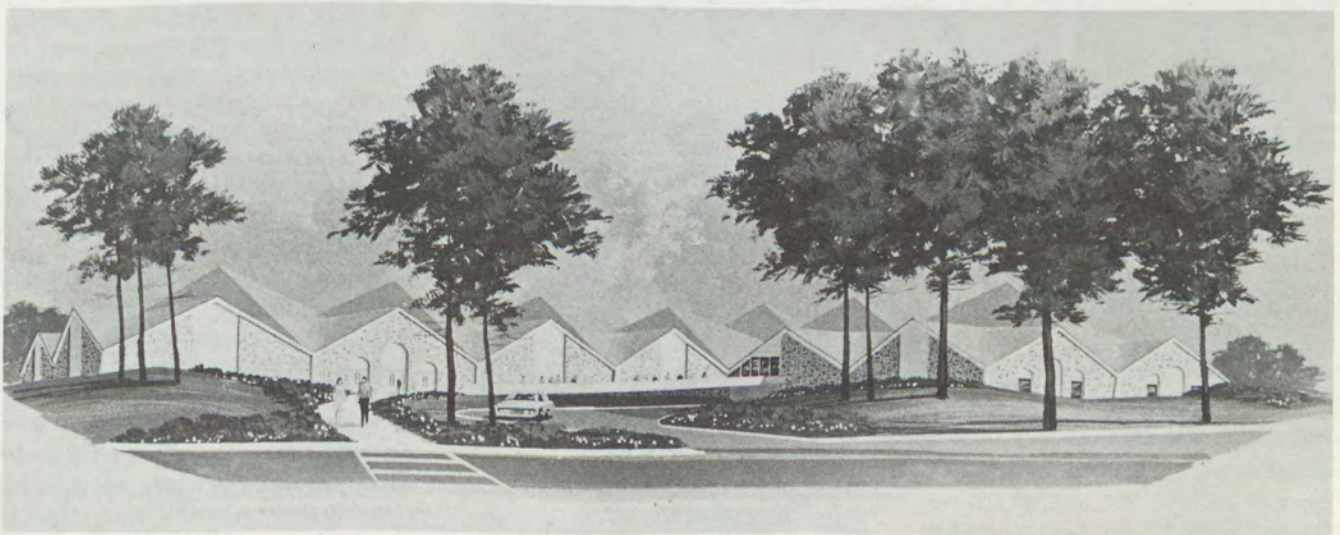
furnished with one-meter and three-meter boards. Pool seating will accommodate approximately 350.

The center will also include racquetball courts, squash courts, and dance and exercise spaces. There will be offices for the physical education and athletic staff and a training room. Locker and shower spaces will be provided equally for men and women.

The new center will be constructed on three levels of limestone, wood, and concrete, with the main gym floor of resilient polyurethane. It will feature

an unusual roof design composed of hyperbolic paraboloids. Each upward sweeping line and apex of this design will give the building a very contemporary look and at the same time will echo the traditional triangular gables and Romanesque arches of Dickinson's Georgian structures.

Stressing the importance of the center in the total educational program, President Banks says, "At Dickinson we appreciate the value of physical recreation as an essential ingredient in the recipe for a liberal arts graduate and, later, for a critically aware participant in community life. The values learned in recreation and sports shape our citizens. The Life/Sports Learning Center will make it possible for us to study the process with care and foster its best elements."



Liberal Arts Majors Mean Business



Julia B. Leverenz '69

"What are you going to do after you graduate?" "Find a job." If you ask this question of a group of students on a college campus today, chances are that jobs top the list of responses. Several years ago, it would just as easily have been, "Oh, I don't know. Travel . . . you know, find myself."

Whatever its causes, this pragmatism is seeping into college classrooms across the country. Trailing along with it is a familiar skepticism about the usefulness of a liberal arts education in obtaining that all-important job. After all, the argument goes, arts and humanities courses are not relevant to the real world and do not provide students with the skills needed to step immediately into a neatly-defined slot in that real world.

It is true that a liberal arts education does not automatically plug a person into a job classification, or even a profession. "I am a humanist" does not yet have the same stature as "I am an engineer" or "I am an accountant." However, the arts and humanities give a broader perspective on the world than may be gained from a narrower or more specialized curriculum. This perspective, along with the communications and analytical abilities derived from a liberal education, make the liberal arts graduate a very valuable individual to many employers, particularly in the business world.

The lack of a specific trade will not prevent a liberal arts college graduate from finding a good job. Businesses are taking a new look at liberal arts students these days. One of the largest corporations in the country is starting for the first time a formal recruiting program at liberal arts colleges, where before it had concentrated on engineering schools. The firm's management became aware that many of its top people had liberal



arts backgrounds, and until now the company had been relying on the practice of hiring "drop-in" job seekers to fill key non-technical positions.

Among the qualifications this corporation and others like it are looking for in liberal arts graduates are the abilities to write and speak well, to work well with others singly and in groups, to grasp problems quickly and devise workable solutions, and to identify and master the information and techniques needed to do the job at hand. If the employee finds at some point that he or she needs additional technical or managerial skills, there are a number of training programs and courses available from many sources to help meet that need.

For those students who want more specialized training before entering a career, a master's degree in business administration can be a good alternative. It may surprise some people to know that many business schools prefer applicants with liberal arts backgrounds to those whose undergraduate major was business or accounting, for example. The reasoning is similar to the corporations': a liberal arts education prepares an individual to think, to communicate, and to adapt to new subject matter and circumstances, all of which are important aspects of the successful business executive.

If liberal arts graduates are becoming increasingly attractive to business employer's, so also are business careers becoming increasingly attractive to students. Hundreds of undergraduate students at one small liberal arts college

lined up at seven o'clock in the morning last spring to sign up for a limited number of corporate job interviews. The college's placement officer had never seen anything like it in all his years at the school. As another example, there are almost five times more graduate schools of business in the United States today than there were ten years ago, and six times as many M.B.A. degrees were awarded last year as in 1965.

It is no accident that 20 to 40 percent of most graduate business school students today are women. Many more women than ten years ago are graduating from college today with the assumption that they will have a career throughout their working lives. Corporations are actively recruiting women for management-track positions, and women are responding to this demand by swelling the business school enrollments in ever-increasing numbers. Since women are especially likely to have emphasized arts and humanities in their undergraduate schools, their achievements are further evidence of the acceptability—even desirability—of a liberal arts education as background for a business career.

There are some practical things today's undergraduate liberal arts majors can do to improve their chances of making it in the real world. One of the most important is to take several quantitative courses along with the arts and humanities; specifically, some combination of mathematics, statistics, accounting, computer science, economics, or finance. Such courses are too often overlooked (sometimes intentionally!) by liberal arts students. This is a mistake because the humanist's perspective is not complete without an understanding of the numbers, methods, and principles with which the contemporary world functions. "Humanities majors do very well here," one graduate business school admissions director

told me. "But we like to see that they've had some college math courses along the way, too."

Other tips include mastery of a foreign language, which can be an advantage in finding a job with a multinational corporation, business-related summer work experience, and use of the college's career planning facilities to help the student define his or her interests and abilities.

There are plenty of jobs for liberal arts graduates. Finding them can be difficult, however, and sometimes discouraging. Creativity and persistence are essential. Most liberal arts curricula encourage creative thinking, and job-seeking should be treated like any other problem requiring a solution. It may also take more time for a liberal arts graduate to find a job than an engineer, for example, and the humanist's career (and salary) may develop less quickly initially. However, the people who reach the top, whatever their fields, tend to be those who keep the broad perspective in mind, communicate well, work well with other people... in short, who have all the good qualities of a humanist. Business needs liberal arts majors.



JULIA LEVERENZ is director, Women in Business Program, School of Business Administration, College of William and Mary.

The Changing Role of Women in Academe

Carolyn Kohle Davis '53

Until recent times quality education has not been easily available to either women or minorities. From the Stone Age era onward women have functioned in a dependency relationship created by the bondage of reproduction coupled with an inability to hold property. The early necessity for protection from wild beasts that roamed the earth gave increased value to those persons of superior muscular strength who could wield the club and spear. This initial division of labor, with its concomitant dependency relationship for women, was created by a male sex hormone, testosterone. This hormone is directly related to increased muscular strength. Woman's biological functions also determined her work on behalf of the home and family, and the protection of the tribe was rated higher than the perpetuation of it. As society advanced women's tasks fell more and more within doors while men hunted and made war. Advantages still accrued to those with superior muscular strength, and in the course of time this sexual division of labor came to be regarded almost as a divine law and not a product of social and biological conditions.

Domestic work in the home was the only occupation for women for many centuries. With the introduction of religious life, women entered monasteries. In the seclusion of the cloister, skills were developed which included reading, writing, and the study of classical works. Outside the nunnery, however, the feudal system with its emphasis upon military service and war continued to enhance society's esteem for muscular power.

Throughout the middle ages convent schools were the only schools in existence, and nuns were the only women capable of qualifying themselves to become instructors. With the introduc-

tion of Protestantism and the resulting decline and even destruction of religious houses, the systematic education of women was extinguished for a long period.

One might suppose that the colonization of America would have produced more values of equality between men and women. One must realize, however, that early colonial civilization endured great hardships amidst primitive conditions and therefore placed great value upon the superiority of male muscular strength. Then too most of the colonies were settled for reasons of religious freedom. Early religions were quite authoritarian, with strong patriarchal concepts of the family. It is not surprising that when early colonial education was developed equality of education did not include collegiate education for women. Colonial colleges were founded for men only since women were not seen as being capable of studying for the role of minister, lawyer, or doctor, which the early colleges were designed to produce.

Early scientists did much to foster concepts of female dependency by statements that women were both mentally and physically inferior to men and that, for physiological reasons, women could not endure the rigors of continuous study deemed necessary for college. Until 1837 when Oberlin College admitted its first students, American women were denied the privilege of a college education because both faculty and administrators believed them unable to survive the demands on their mind and body that would occur from such educational study. Other colleges were slow to endorse coeducation, but by 1860 two state universities had opened their doors to women (Utah and Iowa). Following the Civil War, state after state university admitted women as what had been labeled "the dangerous

experiment" in coeducation proved successful. The 20-year period from 1890-1910 saw a rapid rise in the enrollment of women in coeducational colleges and universities, and by 1915, 35 percent of all undergraduates were women.

In 1877 the first doctoral degree was awarded to a woman at Boston University, only 16 years after the first doctorate was awarded in the United States at Yale. By 1880 three more doctorates were awarded to women at three separate institutions—Cornell University, Syracuse University, and University of Pennsylvania. By 1900, 229 women had received doctoral degrees from 29 American institutions of higher education. Both undergraduate and graduate enrollment of women continued to climb upward until the early 1920s.

The depression years caused some decrease in enrollment of women in colleges and universities as families were hard pressed to send children to college. When faced with a choice between sons and daughters, families elected to send their sons in order to enable them to secure a better working position in society. While the Depression Era suppressed women's intellectual growth to some extent, the impact of World War II was notable in its advancement of women's role outside the home. It was considered a patriotic duty for women to replace men in the factories and fields so that men could go off to war. Not only did this lead to the acceptance of the role of working wives and mothers, but it also led to the establishment of a second income which enhanced the family's living standards.

With the return of veterans into the work force after the war, women once again retreated to the homemaker role. The gains that had been made in the percentage of women accepted for



study in both baccalaureate and graduate programs was met by an informal quota system in order to make way for the large number of returning veterans whose education was being subsidized by the GI Benefits program. Once again society's values perpetuated the image of the ideal American woman as receiving fulfillment only from marriage and family roles. Achievement motivation was focused almost entirely on the role of motherhood rather than a career in industry or academe.

These last 30 years, however, have seen dramatic changes in the labor force. In 1940 only 15 percent of women worked outside the home, but by 1975 almost 46 percent of women were in the labor force. Although women have returned to the labor force in great numbers, they have tended to be concentrated largely at entry levels. This is true not only in industry but also in academe. Few women have managed to attain policy-level, decision-making positions in either industry or schools and colleges.

If the sixties were characterized by the student revolution, perhaps the seventies can be seen as the era of women's movement in higher education. The concept of woman's control over her own destiny has been fostered by a number of societal forces. The advent of inexpensive, widely-available, safe forms of birth control have given women freedom from reproductive bondage. A woman can now be selective about her choice of the childbearing role and can determine when to have a family or even if she wishes to assume this role. Advances in medicine have produced better health care and have significantly reduced the mortality rate of women at childbirth as well as decreasing the death rate from early childhood diseases. And the advent of our modern, urbanized, mechanized society has led to less emphasis upon



the superiority of muscular strength. With the aid of modern machinery, most

industries find women to be able to handle the same jobs as men. Rising

costs have led to increasing numbers of women seeking jobs in the labor force in order to supplement the family income. As more women joined the labor force, manufacturers developed products to simplify the household chores of cooking and cleaning. In turn, this freed women from responsibilities in the home and gave them more leisure time. The advent of child care facilities has further released women to fulfill new goals of independence and careers.

The bondage of financial dependency was initially broken when women entered the work force during the industrial revolution and when legislation was enacted to give married women ownership or real and personal property as well as ownership of their own wages. However, total financial independence for women has really only occurred since the early 1970s as "credit independence" occurred. This new financial independence has promulgated a new equality between men and women. Economic autonomy has led to an increase in self esteem and self reliance.



Long range planning for career opportunities now seems as important to college women as to college men.

But what of the role of women in higher education today? In 1974, 45 percent of all baccalaureate degrees and 44.8 percent of all master's degrees were awarded to women. However, at both the doctoral and first professional degree level, women have not yet achieved parity. Of all doctoral degrees 21.3 percent and only 12.5 percent of all professional degrees were achieved by women in 1974. Current estimates are that about 25 percent of the new admissions into professional programs are women and although the number of women matriculated for doctoral studies is rising, the range of disciplinary areas of study which women select remains narrow.

National statistics on women faculty indicates that "the higher the fewer" is not a phenomenon of just students. In 1975-76, 24 percent of all ranks of full

time faculty in institutions of higher education were women; 9.8 percent of full professors, 16.8 percent of associate professors, 28.6 percent of assistant professors and 40.5 percent of the instructors were women. The largest percentage of women in all ranks were found in the private or independent two-year and four-year colleges. Even small, private, four-year colleges, like Dickinson, have only 12.5 percent women as representative of full professors. Thus the "community of scholars" in academe is more apt to be a "fraternity" of scholars, especially at the highest levels.

The Carnegie Commission has indicated that the percent of women achieving faculty status will not approach equity (50 percent) until the end of this century. This means that faculty role models for women attending college are largely male. Research has indicated that the achievement potential of young women is directly



proportional to the number of role models to whom the students have access.

Not only are women found mostly in the lower ranks of the professoriate but also in the lower ranks in administration. College administration is a male dominated field with few key administrative positions occupied by women. Fewer than 10 percent of the top five administrative jobs in American colleges and universities are filled with women, and in middle management or deanship level positions a majority is filled with men with the exception of two traditional female fields of study, nursing and home economics. The absence of women in academic administrative positions not only deprives women students of role models but also deprives the college itself of the unique perspectives women can bring to administration.

Administrative positions in colleges exist to serve the needs of the students and faculty. Women are socialized to have strong concepts of nurturance and service, and they do have administrative ability. For example, good organizational skills develop as they juggle the many activities of family living and household duties. Research indicates women have a higher tolerance for stress than men, both physically and psychologically. However, women have been socialized to believe that management, like fatherhood, is for men only.

Bucher has indicated that administrators of the future may well be women because of the need to be more flexible and adaptable to change. He identifies women as more interested in flexibility, able to handle change, and more apt to question basic or hidden assumptions. Certainly women have demonstrated a capacity for sustained work, patience, and prudence, and these qualities are necessary for any admin-

istrative position.

However, any large increase of women in positions of responsibility and leadership awaits an increase in women's motivation to succeed. Many women have not been interested in high achievement, and they also underestimate their own abilities. They also tend to be low risk takers. Due to the socialization process, our culture has tended to devalue woman's role. Women fear they will be perceived as less feminine and less desirable if they achieve positions of power and authority in our society. Changing lifestyles in our society now enable women to assume a dual position of marriage and career. Shared responsibility for both child-raising and housekeeping tasks must occur for true equality of marriage. Changing social values brought about by the acceptance of careers for women, together with more equitable job and promotion opportunities, will soon lead to a decrease in the internal ambivalence women now have toward planning for both a career and marriage together.

Today's college students need to be exposed to women role models that can demonstrate an effective blending of a career with family responsibilities. Colleges and universities must also provide the framework for women to develop increased self assurance and self awareness. Women will need to be more autonomous, more independent, more competitive, and higher in achievement motivation in the future if they are to be successful in the career world. Colleges must create an educational climate that assures women of opportunities to develop good judgment, think critically, and synthesize and analyze problems well. These skills can best be acquired through a broad liberal arts undergraduate education such as that offered at colleges such as Dickinson.

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CAROLYNE DAVIS was recently selected by *Change* magazine as one of the "100 most respected emerging leaders in higher education." She is associate vice president for academic affairs at the University of Michigan.

Physics and Ballet—A New Pas De Deux

Kenneth Laws

"A *tour jeté* is most effective when you jump, and then turn!"

"Freeze at the top of that *jeté*! You must stay suspended in mid-air and then float back to earth!"

These phrases are familiar in a dance studio, where they create mental images that help dancers perform movements well. As a physicist in a ballet class, I find such implied violations of accepted laws of physics disquieting!

The world of ballet classes and performance would appear to be far removed from the physics laboratory. But in the dance studio I quickly found myself surrounded by potential applications of physics to this art form. Essentially all of dance movement involves motions and forces that can be analyzed by techniques of classical mechanics.

But is physical analysis appropriate in an art form such as dance? If so, what is the role of such analysis in the understanding of dance both by performers and by viewers? Bart Cook, a dancer with the New York City Ballet, implied in a recent interview that the constraints of physical law need not apply to human body motion: "... it's that vision of freedom you can create when you're defying physical law, ..."¹ In contrast, it was suggested by a writer for the Philadelphia *Inquirer* that in my research I want "... to reduce ballet to a science."²

A physicist sees a dancer's body as a massive object moving under the influence of well-known physical forces, and obeying accepted physical laws. But it is also true, and not inconsistent with that view, that there is an added dimension in dance that distinguishes it as an art form rather than an athletic activity. The reduction of dance to a science ignores this aesthetic dimen-

sion. As philosopher Susanne Langer puts it:

"... In watching a dance, you do not see what is physically before you—people running around or twisting their bodies; what you see is a display of interacting forces. ... But these forces ... are not the physical forces of the dancer's muscles ... The forces we seem to perceive most directly and convincingly are created for our perception; and they exist only for it."³

Since a focus exclusively on physical analysis may detract from an appreciation of dance as an art form, what is the value of such analysis? For the dancer or dance teacher, a deeper understanding of the limitations imposed on bodily movement by physical law allows a distinction to be made between the possible and the impossible. In creating the illusion of performing the impossible, a more subtle skill of the dancer must be developed—the skill of enhancing an illusory effect, rather than attempting to approach the impossible only through strength and coordination. For the spectator, an appreciation of the role of illusion in creating the appearance of the impossible can heighten the appreciation of the dancer as a medium of expression and of the dance itself as an artistic creation.

Turns—jumping, traveling, or in place—are an important part of dance vocabulary, and represent examples of movements to which physical principles can be applied. Some of these turns look best if the dancer appears to turn only after jumping or rising onto one toe. But when the whole body turns, there must be a torque, or twisting force, exerted against something. What is there to push against? Only the floor. So some angular motion must be generated before the dancer leaves the floor or rises onto pointe. Is the instruc-

tion to "jump, and then turn" therefore an exhortation to perform the impossible? The answer is twofold. By experience, teachers have found that such an instruction induces dancers to approach the desired form for the movement. But it's also true that the dancer can indeed create the illusion of turning only after jumping.

The *tour jeté* is a 180° jumping turn, with the dancer landing on the foot opposite to the take-off foot. Once the dancer leaves the floor, he can only control his rate of turn by controlling the distribution of body mass around the axis of rotation. In a well-executed turn, the arms and legs are extended at the beginning of the jump, so that a turning force against the floor produces only a small rate of turn. At the peak of the jump, the legs are crossing and the arms are overhead, thus creating a straight-line body form. When the body mass is thus compacted close to the body axis, the turn rate increases markedly. At the end of the leap, the limbs are again extended. The visual effect is that the turn appears to occur only at the peak of the jump.⁴

Why is the insight gained by this analysis of a *tour jeté* valuable for the dancer and the viewer? For the dancer, that skill of enhancing an illusory effect is aided by a realization of the importance of body placement during the movement. To the viewer, the sight of a Baryshnikov leaping into the air facing one way, then suddenly turning himself to face the opposite direction, is an impressive feat made more impressive by a realization that its physical impossibility makes necessary the dancer's subtle skill of illusion.

Similar questions arise concerning pirouettes—turns in place on one toe. How is the necessary torque exerted against the floor? What role does the supporting foot have after the push-off

foot has left the floor? With the patient help of Lisa de Ribère, of the New York City Ballet and formerly with the Central Pennsylvania Youth Ballet, experiments were carried out here at Dickinson in which the angular momentum of the turning dancer was measured as it varied with time. This measurement required Ms. de Ribère to perform various types of pirouettes under less than ideal conditions—aluminum foil on one foot for electrical contact, timing determined by oscilloscope trigger and movie camera rather than a music cue from Tchaikowsky, and the pirouette performed on a platform free to rotate underneath her! The result was that detailed information about the mechanics of the turn was made observable and accessible to mathematical analysis for the first time.

Certainly ballet cannot be "reduced to a science." But the world of dance is large and complex, with many windows through which one can both perceive and illuminate. Through other windows one may see portrayals of characters or images of a culture, spectacular athleticism or lyrical grace, painful years of dancers' discipline, or free expression of human creativity. Hopefully an understanding of some mechanics of dance movement will enhance, not detract from, the depth of appreciation this art form can stimulate.

¹Dance Magazine, Sept. 1978.

²Webster, Daniel, *Philadelphia Inquirer*, April 4, 1978.

³Langer, Susanne, "The Dynamic Image: Some Philosophical Reflections on Dance," in *Problems of Art*, p. 5, Scribners, 1957.

⁴This explanation is attributed to Rhonda Ryman, of the Univ. of Waterloo: Ryman, Rhonda, "Classical Ballet Technique: Separating Fact from Fiction," *York Dance Review* 5, p. 16. (York University, Downsview, Ontario,



Canada). Also "A Kinematic and Descriptive Analysis of Selected Classical Ballet Skills," Master of Arts Thesis, Graduate Programme in Interdisciplinary Studies, York University, Toronto, Ontario, Canada—January, 1976.

KENNETH LAWS, professor of physics, has been at the college since 1962 as a member of the physics department and, from 1971-77, associate dean of the college. Following the example of his young children, he started ballet classes about three years ago at the Central Pennsylvania Youth Ballet in Carlisle. "Being a romantic at heart, I found the involvement with performance, music, and dance movement totally enjoyable. It didn't take long for me to be drawn into this intriguing world of ballet. My present schedule of eight or nine ballet classes a week is exhilarating, though often grueling physically." Professor Laws's research involving applications of principles of physics to dance began during a 1977-78 sabbatical leave, and is actively continuing now.

A Brief Look at the Dickinson Curriculum

Julie Levinson '80

"... The grand design of education is to excite, rather than to pretend to satisfy, an ardent thirst for information; and to enlarge the capacity of the mind, rather than to store it with knowledge, however useful: the whole system of instruction is made subservient to this leading object." (Dickinson College catalogues 1834-1841)

Members of the Dickinson College community—faculty, administrators, and students—have long searched for that element which makes our College unique. The quote above infers that exciting the mind is a unique idea in educating students. But what else is unique at Dickinson College?

The College first acquired land in Carlisle on March 3, 1773 and received its charter September 9, 1783 under the aegis of the Presbyterian Church. Dr. Benjamin Rush, a strong voice during the Revolution, felt that the political victory wasn't enough. Polished minds were necessary for the consummation of the new American system. "His college, far to the west over Susquehanna, would be a first foundation stone, and he gathered about him like-minded trustees, men of God, soldiers, men of business and the law to carry forward the plan." (p. 4)

The trustees, at this time, played a different role than they do now. "They ... had oversight to the educational program ... hiring and dismissing teachers, regulating student behavior to the last detail ..." (p. 5) The trustees were acting "with a sense of duty to religious faith." (p. 5) Clergymen formed the most learned part of those trustees who attended meetings.

The religious influence gave Dickinson "elements of dichotomy and disturbance from the first." (pp. 5-6) Dr. Rush was a Presbyterian, thus Dickinson was a Presbyterian institution. But Dr.

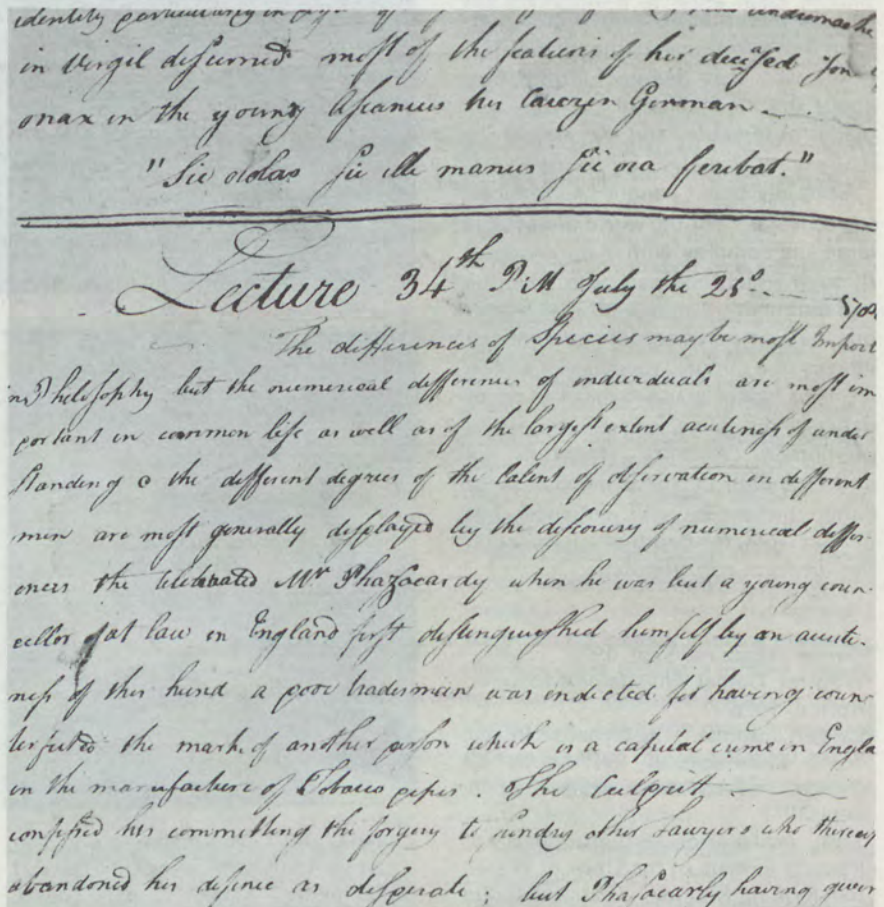
Rush, finding public funding more profitable, relinquished religious ties. Moreover, Presbyterianism had split into an "Old Side" and "New Side."

The Presbyterian schism eventually led the College to Methodist control in 1833. An entirely new board took over. The 1830s faculty and the new board were young, with intellectual ideas, although the Methodist Church, as a whole, "distrusted intellectual coldness" (p. 6) and found little merit in studying the classics. The new trustees agreed with Dr. Rush and kept the college independent, and they retained

the traditional emphasis on classical learning.

In 1814, Dr. Charles Nisbet had proclaimed the trustees' attitude by stating "The classics are useful ... because it costs a great deal of pains to read them ... they are valuable models of just thinking, examples of true taste and monuments of the wisdom and capacity of ancient nations, and have been the delight and wonder of many successive generations." (p. 95)

In this light, let us turn to the curriculum. The College and the local Grammar School, which had been established



President Charles Nisbet dictated his lectures, and students took them down word for word in lieu of textbooks. These student notes are dated July 25, 1818.

We should become modern-day Renaissance men and women . . .

in the Cumberland Valley for some time, merged, and became one institution. The Grammar School was essentially equivalent to our present-day high school. Its purpose was to "prepare students for admission to the freshman class in the College under the general supervision of the President." (D.C. catalogue 1834)

This preparatory period was necessary because an entering freshman was to be acquainted with English Grammar, Geography, Latin Reader, Caesar's Commentaries, Virgil, Cicero's select orations, Greek Grammar, and historical books of the New Testament. (D.C. catalogue 1834) After this preparation, the admissions procedure was the next hurdle. "Applicants for admission who shall not have been in any college before, must on examination satisfy the Faculty of their acquaintance with the subjects of study which are required of the students of Dickinson, previous to that stage of the course at which they propose to enter." (D.C. catalogue 1828)

One can see from the following titles the diversity of courses that was designed to excite the minds of the students of the 1830s. The freshmen class curriculum consisted of the following:

- Classics—Latin; Odes of Horace, Sallust, Livy, Greek; Xenophon's Anabasis or Cyropaedia, Homer's Illiad, Classical Geography; Greek and Roman Antiquities, Mythology
- Greek Exercises and Written Translation
- Mathematics—Algebra, Elements of Geometry
- English—English Grammar and Composition
- Natural Sciences—Philosophy and Natural History
- Religion—The Gospels in Greek

A course of study was introduced in 1901-1902 which attempted to include the sciences as well as the classics. The difficulty with the sciences was one which unnerved the administrators for a long time. They felt they had to emphasize the classics to carry on with the "well-rounded education" approach, but they weren't sure if the classics (literature, language, and theory) and the sciences (exact mathematics and concrete concepts) could be combined in one curriculum. The order of studies for the freshman class of 1901 was as follows:

Classical Course

- English—Rhetoric, Description, Narration, Exposition
- Greek—Selections from Herodotus, Homer and Lysias, Greek prose and composition, Greek Grammar
- Latin—Livy: Punic War, Horace: Odes and Epodes, Cicero, Latin prose and composition, Latin Grammar
- Mathematics—Algebra, Geometry, Plane Trigonometry
- Oratory—Declamation three times a year

Latin-Scientific Course

- French—History and composition
- German—Prose and Poetry, composition
- Latin, Mathematics, Oratory and English are the same in this course as in the Classical course

Scientific Course

- English, Psychology, Logic, Physiology, Mathematics, Modern Languages and Political Science

This program gave the student many views of the then-current scientific approach. And there was a Medical Preparatory Course, started in 1895, which was separate but included all the subjects listed under Scientific Course. This curriculum gave a student a

greater choice about which path of education to follow, but, within the courses, the subject matter was limited.

Two years later the medical preparatory course contained biology, botany, chemistry, economics, mammalian anatomy and histology, and physics, a drastic change from 1901 when physiology was the only scientific subject offered.

And so progressively, courses of study were revised and eventually became departments. Perhaps the ability of readily adapting to changing times and situations by those affiliated with the College may be viewed as a unique quality at Dickinson.

The College has long felt the importance of a broad, classical education; specialization is viewed as crippling.

"Liberal knowledge, learning for its own sake and learning for the cultural enrichment it provides, is the oldest and most fundamental aim of Dickinson education . . . Learning in this classical sense has been the bedrock supporting and eventually outlasting the various purposes through which the College in ever changing ways has sought to be relevant to the times in which it found itself." (D.C. catalogue 1978-1979)

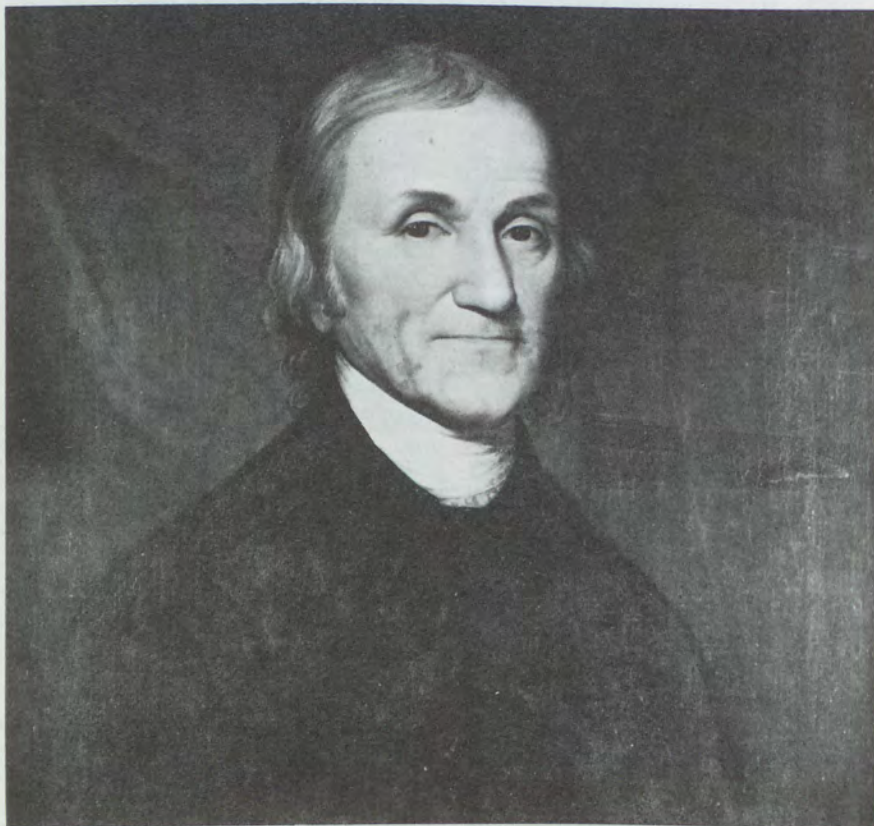
We must know something about everything. We should become modern-day Renaissance men and women to reap the full benefits of the liberal arts education offered at Dickinson College.

References

- Sellers, Charles Coleman. *Dickinson College: A History*. Wesleyan University Press, Conn. 1973.
- Dickinson College Catalogues 1823-1841, 1978-1979.

JULIE LEVINSON is a junior majoring in English. Her article grew out of an internship project.

THE JOSEPH PRIESTLEY HERITAGE



In 1801 Rembrandt Peale painted a life portrait of Joseph Priestley for the Philadelphia Museum, a painting now at the New York Historical Society. Later the artist made two replicas of this work, one for Dr. Caspar Wistar and the other for John Vaughan. Vaughan (1756-1841) was librarian of the American Philosophical Society over a long period of years and had been Priestley's friend in England and America. The Vaughan portrait, now owned by Dickinson College, is different from the others in that Peale added a background of books with titles from Priestley's own vast works.

This article was taken from the December, 1978 newsletter of Friends of the Dickinson College Library. Editor Martha Slotten noted the continuing and increased international research interest in the Priestley Collection.

Walter E. Beach '56

The heritage of the great 18th century theologian and discoverer of oxygen, Joseph Priestley, has been carefully maintained and nurtured at Dickinson College for nearly 175 years. It consists of the Priestley Collection in the library's Special Collections, including his scientific apparatus secured for the College through Priestley's friend, Prof. Thomas Cooper, in 1811 and further enriched by the extensive collection of papers, books, and memorabilia donated by Priestley descendant, Mrs. Temple Fay in 1965. Mrs. Fay's donation is interestingly detailed in a College publication by Charles Coleman Sellers. The booklet also includes a Priestley family genealogy. Interested donors, including Boyd Lee Spahr and this author, have purchased other Priestley letters for the collection over time and provided funds for the restoration of the valuable music instruments in the college, the 1787 Longman and Broderip barrel organ and the 1796 Broadwood and Sons piano. The recognition at Dickinson of Priestley is also rendered through the annual Priestley Award to an outstanding scientist. An article in the February, 1978, *Dickinson Alumnus* by Dr. Horace Rogers reviewed the first quarter century of this award and its recipients.

While Dickinson's continuing recognition of Priestley is very substantial, it is worthy of note that several other individuals and organizations also sustain the Priestley heritage. These include the new Industrial Museum in Leeds, England, the Priestley House in Northumberland, Pennsylvania, the Priestley Chapel Associates, and the most recently established, the *Price-Priestley Newsletter*.

The Industrial Museum in Leeds, England, now has a permanent Priestley exhibit through its curator, Peter

Kelley, and Leeds City Museums Senior Curator, James H. Nunney, is careful guardian of the Priestley heritage in the area where the great scientist was born, attained his early education, and conducted important experiments. Mr. Nunney guided this author several years ago on a fascinating tour in the Leeds area of Priestley historical sites, which included the birthplace of Priestley at Fieldhouse, six miles outside of Leeds; Heckmondwick, the home of Priestley's aunt, Sarah Keighley, who adopted and brought him up; the statues of Priestley in Birdstall, the closest town to his birthplace, and in the townsquare of Leeds; the brewhouse location where he conducted his experiments on fixed air; and the Mill Hill Chapel (Unitarian) where he was minister. The Rev. Eric Allen, a 1976 English Speaking Union Fellow who visited the Dickinson Priestley Collection during his stay in America, is another faithful guardian of the Priestley heritage in Leeds.

The Priestley House in Northumberland, Pennsylvania, dates back to 1794 when the scientist settled the small town on the Susquehanna River after fleeing from Birmingham, England. Following many up and downs in the years following the death of Priestley in 1804, the house and a small adjoining laboratory museum are now maintained as a public memorial to Priestley. The house was saved initially through the untiring efforts of Dr. George Gilbert Pond, the dean of chemistry and natural sciences of Pennsylvania State University. The house is also famous as the founding place of the American Chemical Society, which also has a Priestley Award. In 1976, the Society, as a part of its centennial, held a ceremony at the Priestley House and presented reproductions of scientific equipment from the Dickinson College Collection for the laboratory museum. Martha Slotten, special collections curator, represented

Dickinson at the ceremony. Joseph Priestley is buried in Northumberland in the Riverview Cemetery near his last home.

The Priestley Chapel Associates was established in 1977. The purpose of this organization is to preserve and promote the Joseph Priestley Memorial Chapel in Northumberland as a place of worship and a memorial to Joseph Priestley. The Chapel was built in 1834 and stands several blocks away from the Priestley House and museum. The leadership for the Priestley Chapel Associates was initiated by John A. Romberger and his fellow parishioners at the Silver Spring,

Free religious worship and the maintenance, development, and dissemination of human and scientific inquiry and knowledge.

Maryland, Unitarian Universalist Church. Working closely with the national Unitarian Universalist Association, they have already carried out some restoration of the Chapel and plan more. In July, 1977, the developers of the Chapel Associates held a special service at the Chapel with citizens from Northumberland as a part of their determined campaign to ensure restoration and use of the Chapel. More information on the Chapel Associates may be obtained by writing to John A. Romberger, 2005 Forrest Hill Drive, Silver Spring, Maryland, 20903.

The most recently established recognition for Priestley is the *Price-Priestley*

Newsletter. The newsletter is named after Priestley and Richard Price, who with Benjamin Franklin, Philip Furneaux, and others were members of the Honest Whigs Club which was devoted to the pursuit and dissemination of knowledge, including empirical sciences, with the advocacy of radical criticism, particularly in theology, the promotion of liberal values, especially concerning freedom of speech and enquiry, and a defense of Whig attitudes and institutions. The editors of the newsletter are D. O. Thomas and Martin Fitzpatrick of the University College of Wales, and they hope to publish pieces on all aspects of Price's and Priestley's works as well as their close associates in the hope of determining what impact they had upon the development of British and American ideas and institutions and also to provide solutions to problems we now face. Our library still treasures books which Richard Price sent from England to Dickinson in its earliest years. For further information about the newsletter write to Professor Martin Fitzpatrick, Department of History, the University College of Wales, Aberystwyth, Dyfed, SY23 3 DY, Great Britain.

These fine memorials to Joseph Priestley at Dickinson College and elsewhere are fitting tributes to the famous theologian, social critic, and scientist. It is especially meaningful that all of the memorials are in one fashion or another living memorials which in their diverse ways continue to promote the values and contributions that Priestley labored for so hard and diligently: free religious worship and the maintenance, development, and dissemination of human and scientific inquiry and knowledge.

WALTER E. BEACH is assistant director of the American Political Science Association.

About that Football Season

Jack Maley '79

After our first four games, the 1978 football team was 3-0-1, with a national ranking, and a Dunkel rating that was higher than it ever had been. We came from behind in the first three outings, and in our fourth we wiped out a strong Gettysburg squad. Our offense was improving each week and the defense was as stubborn as expected. Folks began to scratch their heads, crinkle their faces, and ask, "Championship at Dickinson?" It was certainly feasible.

There was one problem; it is really too bad that the season consists of nine games.

The Gettysburg win on Parents' Weekend proved to be the last victory of the 1978 season. The critics didn't think we could do it, but we showed them by dropping five games in a row. Football is a crazy game, and it is extremely difficult to pinpoint a specific reason why we collapsed. But, after long cogitation, I have deduced that one major factor figuring in our demise was that the opposition scored more points than we did. Nevertheless, there were several bright moments attached to this rather lackluster season.

Split end, kicker, and punter, Steve Hoffman, set a school record in the All-Purpose Rushing department previously held by Jerry Urich '74. Hoffman consistently performed well, enough to earn him a First Team All-MAC honor.

Paul Saucier anchored a powerful defense and impressed the opposing coaches enough to earn himself a slot alongside Hoffman on the First Team All-MAC list. Saucier played inspired, rugged football on a defense captained by the league's best linebacker, Tony Cugini. Kelly King, defensive end, and Paul Landry, cornerback, also turned in excellent season exhibitions.

The offense's "finest hour" came against Swarthmore when it exploded for 24 points in the third quarter to erase a 14-0 halftime deficit. For the defense, the second half of the Gettysburg game was by far their best effort. In this half, the defense held the Bullets to a pair of first downs and 26 yards total offense.

There were also several dazzling individual performances. Against Lebanon Valley, Mike Andris, defensive back, tied a school record by intercepting three passes. Senior tailback Steve Cline played superbly in the Gettysburg game rushing for 112 yards and two touchdowns.

But the season's most memorable moment came in the LV game. We were winning in the second quarter, 7-3, and had the ball on our four yard line on third down and 13 yards for a first. The perfect play was avoiding me, but suddenly, from only God knows where, it hit me—quick kick. We had never practiced this play. After manipulating some players in the huddle, and giving impromptu instructions to ten confused faces, we were ready. I pitched the ball to split end Hoffman, whom I had moved to tailback, and he kicked the ball 35 yards—straight up. Our coaching staff were the only people in the stadium who were fooled. As I jogged towards Coach Gobrecht, who I noticed was foaming at the mouth, I heard him scream, "We don't have that play!" I stopped and explained, "We do now."

The soccer team started the 1978 season with a plethora of experienced talent. The defense was very strong, and the offense had one of the league's best guns in captain Ed Traub. After the Muhlenberg victory midway through the season, the spirit was raging because the team was on top of the standings along with F & M. But on a rain soaked field in Lancaster, the Diplomats doused the squad's fire by beating them soundly. The season ended with a 6-8-1 record.

Senior Ed Traub shattered the school's scoring record by driving in 40 career goals. Traub had a spectacular four years at the College and this year was named All-MAC, second team.

Senior fullback, Pete Dundas, was also placed on the second team All-MAC list. Dundas was the defensive leader and operated a stubborn machine assisted by another senior fullback, Al Masland.

An interesting situation unfolded in the season opener against Lycoming.

After Jon Irwin was ejected from the game by a shady call from the referee, the game ended deadlocked. Al Masland, unaware that there was an overtime period yet to play, stormed over to this referee and tempestuously told him what he thought of his referee talents and where he could put them. Masland was then also ejected. Now with two men down, the team played as if possessed and won the contest as Traub scored, notching himself a hat trick.

Serving as next season's captains are Erv Frederick and Jed Atkinson.

Under new coach, Lee Ann Wagner, the women's field hockey team finished with a 3-8-1 mark.

Playing extremely well for a rookie was halfback Betsy Kline, who was one of five freshman starters.

Another bright spot was the performance of the sophomore goalie, Sue Young. It was Young's first year in the net, and she played well enough to be voted co-captain for 1979 along with Lisa Marshall.

For next year, the outlook is good because Coach Wagner should feel comfortable with her players, and the squad will be an experienced one.

Playing against a vastly improved and talent-heavy MAC, the cross country team recorded a 4-8 season mark.

Junior captain Roger Colaizzi proved he is the best runner in recent Dickinson history by breaking the school record at Camp Shand. Colaizzi fared well in the MAC finals by placing 34th in a field of about 175 runners. He was elected to co-captain the 1979 team.

The other '79 co-captain is sophomore Tom McCarthy. McCarthy ran in the number two slot and capably supported Colaizzi. Running number three was freshman Andy Byrne.

The team competed with a very young roster and will only lose one runner, Neil MacKinnon, to graduation. Coach DuCharme will have a lot to work with next year.

JACK MALEY, an English major who quarterbacked the football team, was an intern with the communications and development division.

The College



Death of Trustee

John S. Snyder '33, a member of the Board of Trustees, died December 17. He was buried in Center Lovell, Maine.

At the time of his election to the Board of Trustees in 1968, Mr. Snyder was vice president and secretary of John Wiley & Sons, Inc., New York book publishers. He headed the College's annual fund for three years and was a former president of the Scarsdale Board of Education.

Mr. Snyder's wife, the former Marion Baker, is a 1931 graduate of the College, and his son, James, is a member of the Class of 1966 and a former member of Dickinson's development office staff.

New Trustee

At its October meeting the Board of Trustees elected G. Wesley Pedlow, Jr. '34 of Lock Haven to a four-year term.

Mr. Pedlow achieved prominence in



Continued on page 18

Alumni College

June 15-17, 1979

Peggy Garrett

Speaking to a group of faculty and alumni involved in planning the next Alumni College, Bill Gormley '63 proposed that participants in next June's weekend consider the research he has done on the possibility of another depression by 1986. Gormley, an assistant vice president of the Union National Bank of Pittsburgh, thinks it is a fact of life we all may face in the next decades. He conducted his research at the Stonier Graduate School of Banking at Rutgers. Alumni and faculty agreed that, while the prospect Gormley proposes is not a cheery one, perhaps a weekend of forthright consideration of such a problem would be a useful and rewarding experience.

After all, our institutions, our families, and our personal lives are all influenced by the state of the economy. Through presentations by economists and by leaders in business and in educational and religious institutions as well as through problem simulating and problem solving activities, we plan to

discover how we can control our lives regardless of the economic picture. These activities will provide the setting for us to raise some questions about what is of most value to us as Americans in the last decades of the 20th century. So while we may not stand in soup lines next June, we will be given a chance to experience through role playing, films, and discussion the stress and exhilaration involved in problem solving, using Gormley's prediction as our case study.

Alumni who make the Alumni Weekend a family occasion may be certain that once again special activities are being planned for younger participants. Whether you plan to come with your family or alone, the June 15-17 weekend will prove a valuable learning experience. Mark out those dates as a weekend to study, attack, and solve a problem with faculty and alumni friends at Dickinson. After all, what if Bill Gormley is right?



Prof. Paul Biebel of the biology department leads a group of younger Alumni College participants in a nature study excursion.

The College

Pedlow, continued

industry and the scientific world after completing graduate studies in chemistry at Johns Hopkins University and Penn State, where he earned an M.S. in 1939 and a Ph.D. in 1940. He was elected to Sigma Xi at Penn State.

In 1951 Dr. Pedlow co-founded the Pedlow-Nease Company. He sold that company and in 1956 founded the Trylon Co. with offices in Lock Haven and in Greenville, SC. Since the retirement from the presidency of the firm in 1970, Dr. Pedlow has been a consultant. He is listed in *American Men of Science* and is a member of the American Chemical Society, American Institute of Chemistry, and the American Association for the Advancement of Science. Dr. Pedlow holds 12 U.S. and several foreign patents, and his papers have been published in a number of professional journals.

His father was George W. Pedlow '01, and his son, Dr. George W. Pedlow III, a geologist, is a member of the Class of 1968. His brother, Dr. J. Watson Pedlow, and his sister, Elizabeth Pedlow Maginniss, are both members of the Class of 1929.

Publications

Leonard S. Goldberg, dean of educational services. "Small Campus Health Care: An Innovative Approach," *Journal of the American College Health Association*, vol. 26, No. 6, June, 1978.

Howard E. Figler, college counselor. "Career Counseling for the Obscure, the Meek, and the Ugly," *Journal of College Placement*, vol. 39, No. 1, November, 1978.

George H. Ebner '58. "How to Manage Publicly Funded Events," *Public Relations Journal*, October, 1978.

Roberta Herceg-Baron '73, B. Prusoff, M. Weissman, et al. "Pharmacotherapy and Psychotherapy in Acutely Depressed Parents: A Study of Attrition Patterns in a Clinical Trial," *Comprehensive Psychiatry*, forthcoming.

Ann Biebel '74, editorial assistant, Jack Kusnet and David Carey, editors. *Criminal Law Digest*, vol. 1, vol. 2, Warren, Gorham and Lamont, Boston 1978.

Dear Dickinsonian:

We are conducting a College-wide effort to gather information about Dickinson graduates which we hope will reveal the ways that a Dickinson education affects career activity, community service, and individual goals of the men and women who study here.

Each year's students wonder what will become of them after they finish their studies. You can be very helpful to them, in several ways, by: (1) Completing the form which follows with as much detail as you can provide; (2) Checking YES, that you agree to be an Alumni Contact, which means that you will talk with current students about your own career, if they make contact with you; and (3) Providing us comments about how your major field of study affected your career and other life experiences since leaving the College.

Present students at Dickinson will be very pleased to know of your activities since finishing here as they contemplate their own plans and make decisions affecting future work and personal lives. When we disseminate the information that you provide, I assure you that your confidentiality will be protected. We, with your agreement, will give only your name, address, and career field as an Alumni Contact.

Thank you for your cooperation.

Sincerely,

George F. Stehley

Director of Alumni Relations

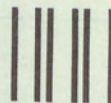
To return form: Cut following page along dotted lines, fold so that return address is visible, and secure with tape or staple. Thank you.

DICKINSON INFLUENCE

In what ways has your community activity, as noted above, been influenced by (a) your Dickinson experience in general; (b) your major field of study in particular. Please make any comments you feel are important. We simply want to learn how you feel your learning here at the College has affected the ways you have chosen to spend your time outside of paid employment.

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Personal Mention

Engagements

1973 — The Rev. FRANK E. MCGAHEY III to Kathleen D. Bolz. A May 26th wedding is planned.

1975 — LISA ROSSBACHER to Dallas Rhodes. An August wedding is planned.

1977 — JILL SIXBEY to STEVE REISSMAN.

1978 — RUTH ANN HAILMAN (RUDY) to Peter C. Dragan. An October 27 wedding is planned.

1978 — IVY APRIL COHEN to Jerry Howard Marcus. A June 10 wedding is planned.

1978 — JEAN MARIE OBERFELDER to Edward Lee Ginsberg. A summer wedding is planned.

Marriages

1968 — NANCY E. ISRAELSON to Albert C. Patterson IV on September 16. The couple resides in Boston MA.

1969 — DOUGLAS R. HARTZELL to Nancy E. Laws on October 14. They reside in Richmond VA.

1970 — SHELLEY RUEHRMUND to Rodney Lee Kuhn on September 16. They reside at R.D. #1, Box 110, Owego NY 13827.

1971 — JAMES M. LANDIS to Darcy Eddy on August 19. They reside at 6 Charles Road, Lancaster PA 17603.

1972 — JANE D. KENTCH to Edward F. Obaza on September 17. They reside in Trumbauersville PA.

1973 — ROBERT N. WAXMAN to Angela R. Smith. They reside at 14016 Bora Bora Way, #319-C, Marina Del Rey CA 90291.

1973, 1974 — THOMAS M. BALLARON to PAULA J. BALCOM on October 7. They reside in Towanda PA.

1974 — ROBERT F. MUSSER to Barbara D. Busse on November 18. They reside in Lancaster, PA

1975 — DENNIS G. O'NEILL to Sharon Norton on September 2. They reside at 9307 Montego Avenue, Baltimore MD 21234.

1975 — ELIZABETH J. MAITLAND to Michael E. Porter on August 19. They reside in Boston MA.

1975 — MARY S. CARROLL to Erik A. Osby on October 28.

1975, 1976 — CHRISTOPHER FLEMING to LINDA E. BEERS on November 4. They reside in Pittsburgh PA.

1976 — KAREN HADLEY to John F. McKenna, Jr. on January 6.

1976 — CARY A. PAINE to Margaret K. Snow on August 26. They reside at 110 Park Street, Medford MA 02155.

1976 — CATHY L. KAZAN to Kenneth A. Mueller on October 28.

1977 — KATHLEEN MOUNT to Howard Immordino on September 30. They reside at 271 Ward Avenue, Bordentown NJ 08505.

1977, 1978 — JAMES H. THOMAS, JR. to GWENDOLYN A. BAKER on June 3. They reside at Alderson-Broadbudds College, Box 63, Philippi WV 26416.

1977 — WENDY WALLENMEYER to FREDERICK H. KAUFFMAN in October. They reside in Philadelphia PA.

1978, 1979 — MICHAEL DULOC to ANDREA KARABOTS on December 30. They reside at 13814 N.E. 11th Street, Apt. L-3, Bellevue WA 98005.

1978 — JUDITH ANN DOLL to Scott R. Moser on October 14. They reside at 1100 West Chester Pike, West Chester PA 19380.

Births

1961 — To Sterling E. and BARBARA KELSO LAMBERSON a daughter, Cara Suzanne, on October 21.

1962 — To JOHN S. and Nancy HOLSTON a daughter, Kari Ann, on June 9.

1964 — To RODGER and Marilyn McALISTER a son, Garrett David, on September 22.

1965 — To FELICIA GASKIN and SHU-MAN FU a daughter, Kai-Mei Camilla, on March 13, 1978.

1966 — To Edward and JOAN DAVIS KANE a son, Jonathan Edward, on November 16.

1967 — To Gregory and ANNE KINDIG O'BRIEN a daughter, Erin Anne, on September 18.

1968 — To Dr. and Mrs. AMOS W. STULTS, JR., a son, Jacob

Henry, on October 10.

1968 — To Robert and BARBARA EMERSON GRAHAM a daughter, Kelly Shannon, on June 10.

1969 — To Mr. and Mrs. ROBERT E. FRY a son, Stephen Cameron, on May 2.

1970, 1973 — To RAY and JANET WIFFEN JONES a daughter, Connie Ellen, on November 14.

1971 — To Harry and PATRICIA SUMMERS HATTERS a daughter, Joyce Lynn, on April 20.

1971 — To Mr. and Mrs. THOMAS E. BOOP a son, Ryan Thomas, on June 26.

1972 — To ROBERT H. and STEPHANIE NEWMAN McBRIDE a daughter, Sarah, on July 11.

1972 — To DARBY MACKENZIE LINE and JOSEPH E. LINE a son, Kenneth Marshall, on August 5.

1973 — To Michael and NANCY BURN McLESKEY a son, Ian Patrick, on July 11.

1973 — To J. Gibson and MARIAN ASHTON McILVAIN a son on May 27.

The Classes

1911

Dr. GILBERT DARLINGTON is still very active at age 89. He is treasurer emeritus of the American Bible Society. A Navy chaplain in World War I, he continues a close

association with the Navy and is very active in patriotic, civic, and cultural activities in the New York area.

1926

Dr. GEORGE F. ARMACOST, former president of the University of Redlands, represented the College in November at the inauguration of Douglas R. Moore as president of the University of Redlands CA.

1928

W. ARTHUR FAUS and his wife have moved to Port Charlotte Village, Port Charlotte FL 33952, from the Williamsport PA area.

Mrs. Ruth D. Olejar, wife of PAUL D. OLEJAR, died at her home in Palm Bay FL on November 1. In addition to her husband, she is survived by a son, two sisters, and two grandchildren.

1929

JOHN N. HALL, Camp Hill businessman, has been named Cumberland County business and industry fund raising chairman for the South Central Pennsylvania Chapter of the American Heart Association. He is board chairman and chief executive officer of Hall's Motor Transit Company, Mechanicsburg, and

Chaplain of House Retires

After the Rev. Edward C. Latch '21 concluded his prayer opening the final 1978 session of the House of Representatives, House speaker Thomas P. (Tip) O'Neill (D-Mass.) announced that the 77-year-old clergyman was retiring after 12 years of service to the House. The members stood in tribute.

For Latch, the chaplaincy of the House capped a 37-year career as a Washington religious leader. From 1941 to 1967, he was pastor of one of Washington's foremost Protestant congregations, the Metropolitan Memorial Methodist Church on Nebraska Avenue NW.

Latch said the chaplaincy was a full-time job. His duties included counseling lawmakers and staff members

on personal problems and orienting visiting clergymen who are invited to give opening prayers in the House two days a week.

"Now that I'm leaving, I think I would like to broadcast to the nation the high caliber of the men and women who work in our Congress," Latch told a reporter. "I'm personally impressed. The impression of all the scalawags just is not the case."

With retirement, Latch said he expects to undergo medical treatment and possible surgery for a heart ailment. Earlier, he had an operation to remove cataracts from his eyes.

He said he and his wife would continue to live in Gaithersburg, Maryland.

Werner Continental Inc., St. Paul MN.

ELISABETH McCOY CRYER has moved to an apartment at the Alpine Retirement Center. Her new address is Box 59, R.D. #1, Hummelstown PA 17036.

1931

Judge ROBERT C. HABERSTROH retired early this year from the Blair County bench and has returned to the private practice of law in Hollidaysburg PA.

1932

President Judge of Pennsylvania Superior Court ROBERT LEE JACOBS, Carlisle PA, retired at the end of 1978, two years before the mandatory retirement age. His retirement ends a career in elective office that began with his election to the Pennsylvania Senate at age 25. The former judge is now associated with the Frog, Switch & Manufacturing Co.

H. MICHAEL BARNHART, Philadelphia PA, has been elected to the board of directors of the Philadelphia Health Management Corp.

1933

Dr. J. D. WOODRUFF is serving as president of the Johns Hopkins Medical and Surgical Association and is the first Richard W. TeLinde Professor of Gynecologic Pathology at the Johns Hopkins Medical Institution.

FREDERICK KLEMM, professor of German at Union College, Schenectady NY, retired the end of the year after 31 years service with Union. During his tenure, he implemented Union's "Terms Abroad" program, which is an integral part of the curriculum. Prof. Klemm resides in Niskayuna NY.

1934

Dr. ABRAHAM HURWITZ is recuperating at his home, 1016 Fairmont Avenue, Philadelphia PA, after suffering a heart attack in July.

1935

On June 30, ANDREW J. OYLER retired as chief chemist at the Steelton PA plant of the

A. D. L. Leader Retires

Benjamin R. Epstein '33 has retired as national director of the Anti-Defamation League of B'nai B'rith. "The greatest source of satisfaction has been that anti-Semitism is now rejected by the overwhelming majority of the American community," said Mr. Epstein, who was national director for 31 of his 39 years with the league.

While relinquishing the helm as national director, Epstein will continue to serve as full-time consultant to the organization and vice president of the ADL's Foundation. He will be pri-

marily occupied with long range projects such as conversion of the newly-acquired Carnegie Building in New York into a new headquarters.

Epstein joined ADL following a tour of Germany in 1935 just after graduating from Dickinson. Hitler had been in power barely a year but suggestions of what was coming were already evident. He returned to the U.S. to become one of ADL's moving forces in spreading the conviction that bigotry and hate are as evil as communism and fascism.

Bethlehem Steel Corporation. He resides at 342 North 24th Street, Camp Hill PA 17011.

1937

Irvin H. Kline, husband of GRACE CARVER KLINE, Skipack PA, died on January 15, 1978. Mrs. Kline retired in 1976 after 30 years in elementary school teaching.

1938

Mrs. William H. Micheals, mother of ELIZABETH S. MICHEALS, died on October 1. She was a resident of Cornwall Manor, Cornwall PA.

EDWARD F. PEDUZZI, attorney of Ebensburg PA, is serving as president of the Cambria County Bar Association.

AIDA T. HUNTER, New York NY, retired June 30 after 36 years with the Federal government. She was last employed as operations analyst with the Social Security Administration. In October she travelled to India, Sri Lanka, and Nepal.

1939

CHRISTIAN V. GRAF, attorney of Harrisburg PA, is serving as secretary of the Pennsylvania Bar Association.

1941

WALTER T. JAMES is serving as acting president of Salem State College in Massachusetts. He had been academic dean since 1976 after eight years as



dean and special assistant to the president of Saginaw Valley State College in Michigan.

Folger Honors Thompson

The Folger Institute of Renaissance and Eighteenth-Century Studies held an honorary ceremony in October for Craig R. Thompson '33, Schelling Professor of English Literature Emeritus, The University of Pennsylvania, and long-time friend and associate of the Folger Shakespeare Library. The ceremony marked the publication, in Professor Thompson's honor, of *Essays on the Works of Erasmus* by the Yale University Press, and provided an opportunity for Professor Thompson's colleagues at the Folger Library to acknowledge his many contributions to teaching, to scholarship, and to the development of the library.

1943

Mrs. RUTH KAUFMAN, Castanea PA, has been named to the volunteer post as service unit director for the Clinton County area of the Hemlock Girl Scout Council. A chemist at Drake Chemical Co., Lock Haven PA, Mrs. Kaufman will be responsible for maintaining troops and programs throughout the area.

1947

MIKE MAYPER has been elected president of the Chamber of Commerce, Fountain Hills AZ. He is also a trustee of Road District #9 of Fountain Hills and the board of directors of the Fountain Hills Civic Association.

1948

Dr. ROBERT E. WHAREN, Montoursville PA, has been named state physician of the year by the Governor's Committee on Employment of the Handicapped. He is a physiatrist in the physical medicine and rehabilitation department of the Williamsport (PA) Hospital. Dr. Wharen is director of the hospital's muscular dystrophy clinic, which he helped establish seven years ago, and is director of physical medicine and rehabilitation at Divine Providence Hospital in Williamsport and at the Centre Community Hospital, State College.

1949

Y. ROBERT FURUNO has been appointed executive director of Farnam Neighborhood House, New Haven CT. He previously served 18 years as director of group services and camp director of Brashear Association, Pittsburgh PA.

1950

The Rev. J. THOMAS CHURN assumed his duties in November as pastor of the Pottersville and West Benton United Methodist Churches. He previously served the Middleton and Maple Rapids United Methodist Churches. He resides with his family in Pottersville MI.

1951

Dr. JANE M. ALEXANDER, Dillsburg PA, is chairman of the

PBA Legal Problems of the Agricultural Community Committee.

LESTER A. KERN is serving as president of the Carlisle (PA) area Lions Club.

1952

WILLIAM E. HOEY has been named a partner in the Miami FL law firm of Blackwell Walker Gray Powers Flick & Hoehl.

1953

Mrs. MARTHA WEIS MCGILL has been re-elected president of the board of trustees of the Westfield (NJ) Day Care Center. A resident of Westfield for six years, she has served five of them with the Center.

STEPHEN A. RITT received the Distinguished Alumni Award for Meritorious Service from Friends Central School this fall. He was a member of the Alumni Board there for 10 years and has been a member of the school's Board of Trustees for the last seven years.

1954

MARY LOU DECKER is teaching Latin in the Bernardsville (NJ) High School. She resides in Basking Ridge NJ.

ERIC COX discussed "Upgrading the U.N. for a Viable Future" in November at the "Table Talk" meeting in the Schenectady County (NY) Public Library. In addition to his job as field director of the World Federalist Association, he is a lobbyist for the Campaign for U.N. Reform. Eric resides in Washington DC.

Mary Ellen Carney, daughter of Dr. FRANK T. CARNEY, is a member of the sophomore class at the College.

1955

J. RICHARD JONES has joined the brokerage division of the Jackson-Cross Company. He previously served in various marketing management capacities with Exxon throughout the United States. He resides with his family in Radnor PA.

Connie Williams, daughter of JOHN G. WILLIAMS, is a member of the freshman class, taking a pre-law course.

1956

ROBERT F. SMITH, Harrisburg

Dentist Turns Historian

Milton Asbell '37 has been practicing orthodontics for 38 years, but instead of getting ready to retire, he's preparing for his second career. He is presently enrolled in the graduate school of The University of Pennsylvania as a Ph.D. candidate in history.

And if that isn't enough, Dr. Asbell, in his 60s, has published a formidable book, *A Century of Dentistry*, a history of the School of Dental Medicine at The University of Pennsylvania, as well as an impressive article, "200 years of Jewish contribution to Dentistry in America."

The book, a compendium of historical anecdotes (first year tuition in 1891 was \$368.25); biographical information (Zane Grey graduated as a dentist, 1896); and photographs, includes everything you wanted to know



about Penn dental school since its founding in 1878.

Asbell's turn-around career has already resulted in his appointment as historian of The University of Pennsylvania School of Dental Medicine. He presently teaches at Temple University, The University of Pennsylvania, and Camden County College in the dental hygiene and assistant program. With a doctorate in history and the sociology of science Dr. Asbell looks to a new career in teaching medical and dental history.

PA, has been elected president of Capital City Chapter Full Gospel Businessmen's Fellowship International.

1957

BERNARD C. BANKS, JR., Trucksville PA, is vice president and treasurer of American Asphalt Paving Company, a road and street construction firm engaged also in the manufacturing of crushed stone, sand and gravel and bituminous concrete in northeastern Pennsylvania. He is a member of the board of directors of the Pennsylvania Aggregate Association.

Dr. RICHARD SEEBURGER has been named associate dean of the University of Pittsburgh School of Law.

1958

HARRY EVANS has been appointed assistant superintendent of the Bernards Township (NJ) school district. For the past six years he served as principal of the William Annin Junior High School. He resides with his family in Long Valley NJ.

ROBERT S. PARKER, Muncy PA, was appointed by Bishop John B. Warman, of the Central Pennsylvania Conference of the

United Methodist Church, to a post in which he will promote enrollment at Lycoming, Albright, Dickinson, Lebanon Valley Colleges, and Wyoming Seminary, all church affiliated schools. He attended a training session with other volunteers in October and is now working in the pilot program which includes slide presentations in churches to explain programs and financial aid at the schools.

DONALD C. THOMPSON and JACK BARRANGER '59 led a deputation team, in November, with students from the Wesley

Foundation, California State University, Long Beach, to Hope United Methodist Church, Torrance CA. In 1958 they had led a Dickinson deputation team to Moorestown NJ Methodist Church.

1959

ANN HOOFF KLINE presented a one-person show at the Downingtown Art Gallery the end of October. A watercolorist, she prefers painting wildlife, human, and natural studies. Her show featured, exclusively, wildlife paintings of subjects observed this summer. Ann resides in Phoenixville with her husband and two children.

JONATHAN B. KULP, Chester Springs PA, served during the past year as acting president of the Downingtown Area School Board.

1960

DAVID L. MCGAHEY has been named sales manager of KYUU, the NBC-owned FM station in San Francisco. He was previously manager of national and local sales for KFOG and prior to that was sales manager of KNEW.

DAVID AYERS, Indiana PA, has been elected president of the Armstrong-Indiana Association for the Blind. He is an industrial sales representative covering western and central Pennsylvania for GTE Sylvania.

Dr. ARTHUR R. AMUNDSEN began duties this past summer as administrator of Faith Christian High School, Bigelow MN. He resides with his wife and five children at 418 Olander Street, Worthington MN 56187.



The Wallace F. Stettler Learning Resources Center at Wyoming Seminary was dedicated in October honoring the school's tenth president, Dr. Wallace F. Stettler '44, who is in his twelfth year as head of the college preparatory school. Unveiling the sign are Dr. Stettler, his wife, Sue, and their three sons, Stephen, Samuel, and David.

1961

SUE WHITE YAHRAES has joined Andrews and Pinkstone, Inc., Gallery of Homes. She has eight years experience in real estate and settled in excess of a million dollars during each of the last three years. Sue and her husband, JACK '60, reside with their two sons at 911 Vista Drive, West Chester PA 19380.

BONNIE DOUGLASS MENAKER, Harrisburg PA, has been elected to the board of trustees of Wilson College, Chambersburg PA. She has also been named the general chairman of the Dickinson Fund.

ROGER G. HOLT, Fairfield CT, is business manager of Miller Communications, Inc., Norwalk CT. MILCOM's patient care systems division is the largest national supplier of medical office management systems.

MICHAEL C. BALDAUFF is now an associate in the law office of Victor Dell-Alba, York PA.

BRUCE F. WILKINSON is editor of "Living Today" which appears in the *Miami Herald*. He resides with his family in Miami FL.

1962

The Rev. W. JAMES WHITE, Bridgewater NJ, has been elected secretary of the board of trustees of Morristown College, Morristown TN. Morristown is one of 12 black colleges of the United Methodist Church.

Dr. CARL R. STEINDEL has become associated with three other physicians in the practice of orthopaedic surgery and opened offices at The Forum Plaza, Scranton PA. Certified by the American Board of Orthopaedic Surgery, Dr. Steindel has been engaged in the practice of orthopaedic surgery since 1973. He is presently affiliated with all local hospitals and, in addition, serves as an orthopaedic consultant to the Pennsylvania State Crippled Children's Clinic in Montrose.

1963

JOHN W. DOUGLAS, JR., Ridgefield CT, has been named sales and marketing manager, sheet products and capacitor foil, for the Republic Foil Rolling

Physician Honored

The medical staff of Cone-maugh Valley Memorial Hospital recently honored Dr. Hampton P. Corson '49 with a citation for his contributions as the 1977-78 president of the medical staff and his years of dedicated service. The citation read "For outstanding service" and was without precedent.

In 1977, after 19 years of practicing obstetrics, Dr. Corson decided to cut back on that aspect of his work. Coincidentally, according to *Quarterly Report* of Cone-maugh Valley Memorial Hospital, when representatives of the Commonwealth of Pennsylvania visited Johnstown, they found that there was a disproportionately high neo-natal mortality and mor-

bidity rate for the lower income population of the area.

Since CVMH already housed the maternity clinic, designed to handle medical assistance cases, it was a natural development for the Department of Health to approach the hospital to administer a Maternal-Infant Health Center. Partially supported by federal and state grants, it provides care for women having high-risk pregnancies. Dr. Corson, who was chairman of the obstetrics/gynecology department at CVMH at that time, became project director. He has called it "one of the most gratifying experiences of my career."

1965

CHARLES R. CRAIG, Painted Post NY, has been appointed supervisor, analytical laboratory, manufacturing and engineering division, Corning Glass Works. He joined Corning in 1974 and has been a section supervisor since 1977.

THOMAS H. HALLAM, pastor of St. John's United Methodist Church, Richboro PA, received his doctor of ministry degree from the San Francisco Theological Seminary (CA). Dr. Hallam is also presently working on the counseling staff of the Pennsylvania Foundation of Pastoral Counseling Inc. He resides with his wife and two children in Richboro PA.

MARGARET STRONG has been giving private piano lessons for the past six years. She is the newsletter editor for the Tucson Tennis Club and serves on the board of the Tucson Women's Tennis League. She resides at 639-E Waverly, Tucson AZ 85705.

1966

PAUL A. ROBELL has been appointed director of development and associate campaign director at Rensselaer Polytechnic Institute. He previously served as assistant director of development at Duke University. He resides with his family at R.D. #3, Woodland Drive, Averill Park NY 12018.

In September, LEONARD M. CARRESCIA was promoted to advisory regional marketing representative, IBM — General Systems Division. His new address is 759 Clovelly Lane, Devon PA 19333.

GEORGE HONADLE was an invited participant in a November conference on "The Management of Rural Development" at Harvard University. Co-sponsored by the John F. Kennedy School of Government and the Lincoln Institute of Land Policy, the objective of the conference was to examine successful experiences with rural development in the Third World. Dr. Honadle reported on his work in the Philippines. He is senior staff member of Development Alternatives, Inc., Washington DC, and he is the senior editor of a forthcoming book on international development administration.

1967

HAROLD G. MUNTER has been named assistant corporate counsel with the law division of



the B.F. Goodrich Company. Prior to joining Goodrich he served as a senior trial attorney in the Bureau of Competition, Federal Trade Commission.

Dr. ROBERT B. SPRAGUE conducted a seminar for the Personnel Association of Greater Baltimore in October. Dr. Sprague is the founder and president of Personnel Development Corporation, management and psychological consultants in Baltimore MD.

SUSAN BUCKINGHAM MCGARVEY has been appointed assistant administrator for the Charles River Psychiatric Hospital, Wellesley MA. She received her M.P.H. in 1977 from Yale Uni-

1964

The Rev. PHILLIP S. WASHBURN resigned as pastor of the United Church of Chapel Hill NC to accept a call to the Spring Glen Church in Hamden CT. Mr. Washburn and his wife have three children.

ERIC J. GROVES, attorney of Oklahoma City OK, represented the College in November at the inauguration of William Slater Banowsky as president of the University of Oklahoma.

In April 1978, ROBERTA WILLIAMS FRANCIS began a two-year term as president of the 100-member League of Women Voters, Chatham NJ.

versity School of Public Health and has been associated in an administrative capacity with New England's newest, private psychiatric facility since the summer of 1977.

JOHN K. HAMPSON, Macon GA, has been granted tenure at Wesleyan College, where he is an associate professor and director of mathematics.

Dr. JOHN B. FERGUSON III, who is in the private practice of ophthalmology, resides with his wife and two daughters at 2035 Floral Drive, Wilmington DE 19810.

1968

Bob and BARBARA EMERSON GRAHAM have started their own company — Graham Brake and Diesel Company — where Barbara serves as secretary/treasurer and financial comptroller. GBD is a parts distributorship to the transit industry. She resides with her husband and two daughters at 6538 Debs Avenue, Canoga Park CA 91307.

1969

Dr. GEOFFREY GOLDWORM is director of the Associated Veterinary Emergency Clinic for Small Animals in South Jersey as well as the director of the Animal Technician Program, Harcum Junior College and the University of Pennsylvania. He resides at 1848 Lark Lane, Cherry Hill NJ 08034.

George and LINDA DALRYMPLE HENDERSON with their son, Andrew, have moved to 2303 Sunny Slope Drive, Austin TX 78703. Linda is teaching art history at the University of Texas and George is continuing as an attorney with the Houston-based firm of Fulbright and Jaworski.

GERALD L. MANNING is president of the Manning Opal Company, Inc., 22 West 48th Street, New York NY 10036.

1970

The Rev. ROBERT M. LES-CALLETTE, Harrisburg PA, was installed in August as pastor of St. John's Lutheran Church, Maytown PA. He received his divinity degree from Gettysburg Theological Seminary and was ordained in Salem Lutheran Church, Lebanon, where he

served as an assistant for one year.

JOSEPH SOBEL is practicing law with the Harrisburg firm of Tive Hetrick & Pierce.

JEFFREY MOYER, who is living in Wales, twice each year holds an auction in Uniontown, PA of antiques he brings to this country from Wales. He also has an antique shop in Meadowlands.

1971

ROBERT A. MARCSON officiated at the dedication exercises for a new building that he helped obtain for the Children's Resource Center, Bowling Green OH. Mr. Marcson is executive director of the Wood County Children's Services Association. He is a graduate of the University of Michigan Graduate School of Social Administration.

PAUL G. YODER received a master of science degree in plant science at the University of Delaware in June.

THOMAS E. STOKES III represented the College in October at the inauguration of Elias Blake, Jr., as president of Clark College. An attorney, Mr. Stokes is on the solicitor's staff in Atlanta GA.

JOHN H. HEATH was a member of Team California, the winner of the eight-team Aspen Invitational Lacrosse Tournament held Labor Day weekend in Aspen CO. He has played the last four years for Golden Gate LX Club of San Francisco and is the public relations director of the 13-team Northern California LX Association, which will attend the World Games in Southport, England in July. John is a sales representative for Karastan Rug Mills, a division of Fieldcrest Mills, Inc. He resides at 8 Dickens Court, Mill Valley CA.

LAWRENCE W. LIVOTI, formerly senior trial assistant in the Fort Lauderdale public defender's office, has opened his office for the practice of law in The Bayview Building, 1040 Bayview Drive, Suite 210, Fort Lauderdale FL.

DAVID M. CLARK has completed his master's in business information systems at Virginia Commonwealth University and is employed by Reynolds Metals Company as a programmer/analyst. ROSELLE DiGIACOMO CLARK '73, a certified learning disabilities specialist, received

her M.Ed. in 1975 at VCU. She is employed by the Virginia State Department of Mental Health and Retardation as a research programmer. The Clarks reside at 4612 Morning Hill Court, Midlothian VA 23113.

Since receiving a master's degree in childhood education from the University of Maryland in 1977, MARILYN WEINER KOHAN is the administrative assistant and one of the head teachers at Harper Square Child Care Center in Chicago. Her husband, Allen, is a graduate student at the University of Chicago. The Kohans reside at 1645 East 50th Street, #12-N, Chicago IL 60615.

1972

CHRISTOPHER WOOD has been named assistant director of the Metropolitan Economic Development Council, Richmond VA. The council was formed in the fall to coordinate industrial development activities in the metropolitan area. Chris moved to Richmond last year as sales representative for the Chemetron Corp.

JOHN KAROLY, JR., left his post as an assistant public defender of Lehigh County to enter the full time practice of law. He has opened his office at 1132 Hamilton Street, Allentown PA.

ROBERT H. McBRIDE received his M.S. in child development from the University of Delaware and STEPHANIE NEWMAN McBRIDE completed her M.Ed. in special education at the same university. Bob has taken a new job as assistant director with Head Start in Roanoke VA. Their new address is 5520 Wipledale Avenue, North Lakes, Roanoke VA 24019.

JANET STYERS has been nominated for membership in Pi Alpha Alpha, a national honorary society recognizing outstanding scholarship in the area of public administration. She is currently pursuing a master's degree in public administration at American University and is employed as a personnel management specialist with the U.S. Naval Sea Systems Command, Crystal City VA. Janet's new address is 222 South Washington Street, #222, Alexandria VA 22314.

JOEL FRIEDMAN received his M.D. degree in December from

the medical school, Universidad de Guadalajara, Mexico.

Since their marriage, LONNY and AMY FLOWERMAN CADES '73 have been residing at 719 Bobwhite Lane, Huntingdon Valley PA 19006.

1973

ROBERT N. WAXMAN is associated with Herbert Dodell law firm in Los Angeles CA. Bob and his wife reside at 14016 Bora Bora Way, Apt. 319-G, Marina Del Rey CA 90291.

PAGE BOYCE is a second year student at Ashland Theological Seminary. His new address is 80 Samaritan Avenue, Apt. 7, Ashland OH 44805.

Dr. KENNETH EPSTEIN has opened a general practice for family dentistry. He joins his father and brother at 3025 Fairfield Avenue, Bridgeport CT.

The Rev. CHRISTOPHER M. LEIGHTON was ordained in August at the Presbyterian Church in Sewickley. He received his master of divinity degree from Princeton Theological Seminary in June. He and his wife have moved to Baltimore MD, where he is school chaplain and a member of the faculty at the Gilman School.

NANCY BURN McLESKEY is the district coordinator for the 1978-1979 Alamogordo Community Education program. She was previously the director of the program.

ROBERTA HERCEG-BARON is employed as a research analyst for the Family Planning Council of Southeastern Pennsylvania. She and her husband reside at 3 Sellers Avenue, Ridley Park PA 19078.

CPT THOMAS H. SUTTON graduated in July from the Military Intelligence Officers Advanced Course.

On December 9, KRISTIN R. GUSS received a master of arts degree from The Pennsylvania State University, The Capitol Campus. She resides in Camp Hill PA.

1974

J. VANCE CRAIG is a student at the University of San Diego School of Law. His address is 918 Felspar Street, San Diego CA 92109.

Dr. MICHAEL EYER, a gradu-

ate of the Philadelphia College of Osteopathic Medicine, has entered the medical education program at Memorial Osteopathic Hospital, York PA. Following completion of his internship, he will enter the Air Force.

THEODORE W. CANN is associated with the Coatesville PA law firm of Gordon & Ashton.

HARRY DeLONG LEWIS was ordained a deacon of the Downtown Presbyterian Church, Nashville TN.

1975

JOAN WALKER HEIM, Fairfield CT, received a master of business administration degree from the Pittsburgh Graduate School of Business.

RICHARD A. MACIA is a pharmacologist with the biomedical research department of ICI Americas, Inc. He previously was a lab technician at Washington University Medical School, St. Louis MO. He is a resident of Newark DE.

MARTIN B. KROMER received a master of science degree in June from the University of Delaware.

TIMOTHY P. KANE, who has been admitted to practice law before the State Supreme Court, is associated with the law firm of Wiley, Schrack and Benn, Dillsburg PA. He and his wife reside at 22 West Harrisburg Street, Dillsburg 17019.

DALE R. CARR, Reading PA, has been appointed regional corporate banking officer for the Montgomery-Chester Region of American Bank and Trust Company of Pennsylvania and will work out of the bank's regional headquarters in Norristown. Dale joined the bank in 1975 as a field auditor.

WILLIAM C. DISSINGER and MARY A. ETTER DISSINGER have formed the law firm of Dissinger and Dissinger with offices in Marysville PA. Their home address is 201 Maple Avenue, 2-H, Marysville 17053.

GREGORY M. SNYDER, York PA, successfully passed the State bar exams. He received his law degree from Valparaiso University (IN), where he served on the student bar association committees and was cited by the Bureau of National Affairs for scholastic achievement in the field of law.

THOMAS J. GORMAN was

awarded the senior real property appraiser designation from the International Society of Real Estate Appraisers. He specializes in commercial and industrial real estate appraisals, and is associated with H. Bruce Thompson, Jr. MAI/SREA of Bryn Mawr PA.

TERRY B. LITTLETON is a first year student at Georgetown University Law Center, Washington DC. She received an M.A. in Spanish from the University of Pennsylvania. Her new address is 502 F Street, N.E. Washington DC 20002.

FRANK and DIANE DETRICK DERR have moved to 1703 Bolton Street, Baltimore MD 21217. Frank passed the Maryland Bar exam in October and is now an associate with the law firm of Callegary & Callegary.

1976

In August, RICHARD L. THOMAS was assigned a territory representing the P. H. Glatfelter Company as a sales representative. His territory is York County, Pittsburgh, and northeastern Ohio.

JOHN S. TAYLOR is a second year student at the Amos Tuck School of Business Administration at Dartmouth. He serves as coordinator of the community volunteer income tax assistance program.

1977

PETER M. ELIA was named national sales representative for the month of August for Chicopee Mills, Inc., a Johnson and Johnson subsidiary. His territory covers Connecticut, West Chester, and Rockland Counties and the Catskill region of New York. Peter's address is Drummond Drive, 2-K, Rocky Hill CT 06067.

KATHLEEN MOUNT IMMORDINO is employed as a transportation planner for the New Jersey Department of Transportation where her husband works as a senior analyst. She also attends the Rider College Graduate Program for Administrators. Her husband will graduate this spring from Rider College Graduate School. Kathleen and her husband reside at 271 Ward Avenue, Bordentown NJ 08505.

JANINE MAHALEY is teaching English in the Penns Grove-

Carneys Point School District, Penns Grove NJ.

HENRY R. HOERNER 3rd is teaching classical languages and serving as form II advisor at the Chestnut Hill Academy, Oreland PA.

NANCY SCHUCKER, Wilton CT, graduated from the Institute for Paralegal Training, Philadelphia PA. She is now with the firm of Pierson, Semmes, Crolium & Finley, Washington DC as a paralegal.

BRENDA M. BOWE is serving as a member of the *Dickinson Law Review*, the Dickinson School of Law's legal publication.

BARRY FRIEDMAN is attending the University of Scranton. Sometime this year he will apply to dental school.

1978

RICHARD BURNETT is a management trainee in the customer services department, C. H. Masland and Sons, Carlisle. His new address is 701 Hanover Court, Apt. A-103, Carlisle PA 17013.

2LT MICHAEL M. GOLDSTEIN is serving as installation transportation officer at the Zweibrucken military community at Kreuzberg Kaserne. His address is USMAZ, Attn: DIO, APO NY 09052.

KRISTI CAMPBELL graduated from The Institute for Paralegal Training at Philadelphia. She is now a paralegal with the firm of Hinckley, Allen, Salesbury & Parsons, Providence RI.

MARGARET GUTY graduated from The Institute for Paralegal Training at Philadelphia. She is now a paralegal with the firm of Fried, Frank, Harris, Shriver & Jacobson, New York NY.

THOMAS A. SHIMCHOCK was commissioned a second lieutenant in August following training at the U.S. Air Force Officer Training School. He is presently stationed at Chanute AFB, IL where he is attending a six month course for qualification as an aircraft maintenance officer. In the spring he will go to Upper Hepford RAF in England for a tour of duty as an aircraft maintenance officer. His address is PSC Box 4644, Chanute AFB, IL 61868.

ANN CALDWELL graduated from The Institute for Paralegal Training, Philadelphia PA. She

completed the course in litigation.

CYNTHIA BREWER, Douglassville PA, is a management trainee at American Bank and Trust Company, Reading.

Obituaries

1903 — Dr. JOHN ROY STROCK, Jefferson City TN, died on October 30 at the age of 96 years. A member of Kappa Sigma fraternity, he was a Phi Beta Kappa graduate. He attended Columbia University Teachers College. He was a retired Lutheran missionary. Dr. Strock received an honorary D.D. degree from Gettysburg College. He was a life member of the General Alumni Association.

1910 — WALTER V. EDWARDS, father of WALTER, JR. '38, died on May 11 in Springfield OH. He retired in 1955 after many years as general secretary of the Y.M.C.A. A life member of the General Alumni Association, he was a member of Phi Kappa Sigma fraternity. In addition to his son, he is survived by his wife and two daughters.

1912 — WILLIAM M. SMITH, Ocean Grove NJ, father of ELBERT B. SMITH '37, died on December 1 at the Francis Asbury Methodist Home at the age of 92 years. Prior to attending Dickinson, he was a commercial teacher and coach at Glassboro High School. From 1918 to 1924 he was supervising principal at Freehold High School, later serving as county superintendent from 1924 to 1938. Mr. Smith served as superintendent of the Long Branch schools from 1938 until his retirement in 1953. He was a founder of Monmouth College and served as president of its board of trustees for more than 25 years. During his tenure as president of the board, the college grew from a junior college to a fully accredited four-year college. In 1960 Monmouth conferred an honorary doctorate on him. Mr. Smith was a past president of the New Jersey Department of Superintendents and School Masters Club. He was a member of the National Education Association and the New Jersey Education Association. After retirement, he was a New Jersey leader of a

nationwide cooperative project in education administration. He was a member of Alpha Chi Rho fraternity. Mr. Smith was a founder and director of Stability Savings and Loan Association, a 50-year member of the Masons, a past president of the Long Branch Rotary Club, and a member of St. Luke's Methodist Church, of which he was a lay minister. Additional survivors include another son, a daughter, a brother, a sister, eight grandchildren, and two great-grandchildren.

1912 — Mrs. BESSIE KELLEY VanAUKEN, mother of MARION VanAUKEN GRUGAN '41, died in Atlantic City NJ on October 23 following a brief illness at the age of 88 years. She was a life member of the General Alumni Association. Additional survivors include two daughters and a granddaughter.

1913 — JOHN V. McINTIRE, formerly of Sharon Hill PA, died on September 17 at the Wallingford Nursing Home at the age of 86 years. Mr. McIntire retired from the Philadelphia school system after teaching English 26 years at West Philadelphia High School. He also taught at Drexel University's evening school for 43 years, retiring in 1967. Mr. McIntire was a life member of the General Alumni Association and a member of Kappa Sigma fraternity. His other memberships were the Cross Keys of Drexel University, Alpha Sigma Lambda Society and the Sharon Hill Methodist Church, where he was a member of the official board. He is survived by his wife, four daughters, 10 grandchildren and two great-grandchildren.

1915 — LESTER S. HECHT, a retired lawyer, died at his home in Wyndmoor PA on December 11 at the age of 84 years. A graduate of the University of Michigan Law School, he joined the firm of Fox & Rothchild in Philadelphia in 1920. In 1925 he became the chief counsel to the legal aid bureau of the Department of Public Welfare, becoming an assistant Pennsylvania attorney general in 1932 where he served for three years before returning to private practice. Mr. Hecht served on several bar association committees and lectured for the Pennsylvania Land Title Association. He spe-

cialized in municipal tax law and was the author of "Municipal Claims and Tax Liens of Pennsylvania," the primary text on municipal taxation in the state. Mr. Hecht was a member of the executive board of the Big Brothers organization, a past president of the Reform Congregation Keneseth Israel, and a member of the American Jewish Committee. He was a life member of the General Alumni Association. He is survived by his wife, two sons, a stepson, a brother, and nine grandchildren.

1917 — Col. ROBERT W. WOODWARD (USAret), Summit NJ, died at his home on November 28 at the age of 82 years. A veteran of both World War I and II, he retired from Army duty in 1956. During his military services, he received the Legion of Merit and the Army Commendation Medal. Col. Woodward joined the Summit public school system in 1927, retiring in 1962 as principal of the junior high school. He had served as president of the Summit Teachers Association, chairman of the Boy Scouts, a director of the YMCA, as well as a member of the YW Advisory Board, a trustee of the United Methodist Church, the American Legion, and, in 1962, was the recipient of the YM's Stuart Reed Award for community service to youth. He also served as a director of the Kiwanis Club and was a member of the Ben Franklin Club. A Phi Beta Kappa graduate of the College, he received his M.S. from New York University. Col. Woodward was a member of Kappa Sigma fraternity. He and his wife, MILDRED WEIR '20, celebrated their 60th wedding anniversary in October. In addition to his wife, he is survived by three daughters, a sister, seven grandchildren, and four great-grandchildren.

1918 — MERVIN G. COYLE, Carlisle PA, died on October 13 at the Polyclinic Medical Center, Harrisburg PA, at the age of 83 years. He was the founder of the Coyle Lumber Company. A life member of the General Alumni Association, he was a member of Beta Theta Pi fraternity, the First Presbyterian Church, president of the Mt. Holly Springs Cemetery Association, and a former director of CCNB Bank.

He is survived by his wife, a son, two daughters, and four grandchildren.

1918 — The Rev. HERBERT P. BEAM, husband of KATHERINE PATTERSON BEAM '22, died at his home in Lancaster on October 26 at the age of 82 years. A graduate of Garrett Theological Seminary, he was a retired minister of the Central Pennsylvania Conference of the United Methodist Church. During his ministry he served 13 charges including Harrisburg, Gettysburg, and Williamsport. A member of Beta Theta Pi fraternity, he was a past president of the Altoona-Blair County Ministerial Association and served on the Board of Ministerial Training, the World Peace Commission, the Christian Vocations Commission, and the Conference Board of Education. In addition to his wife, he is survived by a son, a daughter, six grandchildren, and four great-grandchildren.

1921 — EVELYN CARR CHAPIN, Clearwater FL, died in November. She was a member of Pi Beta Phi sorority and a life member of the General Alumni Association.

1926 — HARRY D. WINFIELD, New York NY, died on September 28. He retired in 1975 at which time he was executive secretary and public information officer with the New York State Division of Probation.

1928 — The Rev. ALBERT E. HARTMAN, Ocean City NJ, retired United Methodist minister, died on September 30 at the age of 73, following a stroke three weeks prior to his death. He was a graduate of Yale Divinity School and the Westminster Choir College, and was a member of the New Jersey Conference of the United Methodist Church. Rev. Hartman was also associated with the New Jersey Association of Retarded Children. He is survived by his wife, two daughters, a sister, PATIENCE H. SHOMOCK '31, and a grandson.

1929 — Dr. LOUIS G. FETTERMAN, Palmyra PA, died on October 14 at the Twin Oaks Nursing Home, Campbelltown, at the age of 74 years. A graduate of Temple University School of Medicine, he practiced in the Campbelltown and Hershey areas for 45 years. Dr. Fetterman was

a member of Kappa Sigma fraternity, a past president of the Lebanon County, Dauphin County, and Pennsylvania medical societies; vice president of the Valley Trust Company, and a member of the United Church of Christ, Hershey Rotary Club, Hershey Country Club, the Masonic Lodge, and Harrisburg Consistory. He is survived by his wife, two daughters, PHYLLIS SEXTON '56, and Madeline, a sister, and two grandchildren.

1930 — ALICE E. HACKMAN, Carlisle PA, died on October 20 at the Carlisle Hospital at the age of 71 years. She received her M.A. degree in English from the University of Delaware in 1963. Miss Hackman taught in public schools in Boiling Springs and York County for 37 years. She served two years as director of Witwer Hall before her retirement. She was a member of the First United Church of Christ, the Women's Fellowship of the church, the Cumberland County Historical Society, a life member of the General Alumni Association, the AAUP, YWCA, and the Hospital Auxiliary. She is survived by a sister, HELEN H. MARTIN '28, and several nieces and nephews.

1930 — WILLIAM L. JOHNS, SR., Carlisle PA, died at the Carlisle Hospital on October 20 at the age of 69 years. He retired in 1967 with 30 years service in the federal government, having served in the Navy, the Internal Revenue Service, and with the U.S. Customs Service throughout the country. After his retirement from the government, he was employed as a tax hearing examiner for six years for the Commonwealth of Pennsylvania. A life member of the General Alumni Association, he was a member of Allison United Methodist Church, Mechanicsburg Officers Club, the American Legion, and the VFW. He is survived by his wife, a son, two daughters, two brothers, a sister, and 12 grandchildren.

1932 — GEORGE HIRES III, Sanibel Island FL, died on November 10 at the age of 67 years. At the time of his death, he was presiding as the newly elected first president of the Condominium Association where he and his wife resided. Before moving to Florida he resided in

Buffalo NY where he was president of the Dwelle Kaiser Company. A life member of the General Alumni Association, he was a member of Sigma Chi fraternity, the Masons, and the Flat Glass Distributing Association. He is survived by his wife, a daughter, a brother, and two grandchildren.

1934 — Dr. WILLIAM C. BREWER, Greencastle PA, died recently. He was a member of Kappa Sigma fraternity. A graduate of the University of Pennsylvania School of Medicine, he practiced in Greencastle and was on the medical staff of the Chambersburg, Waynesboro, and Washington Hospitals. A life member of the General Alumni Association, Dr. Brewer was a member of the American Academy of General Practice, the American Medical Association, and the Franklin County and Pennsylvania Medical Societies. He is survived by his wife and five children.

1937 — GEORGE H. G. ROWLAND, JR., Denison TX, died suddenly on June 25 of a heart attack while playing tennis. He was special projects and technical service manager for Safeway Stores. He was a member of Phi Kappa Psi fraternity, the American Chemical Society, the American Oil Chemists Society, and Toastmasters International. He is survived by his wife and two sons, CHARLES '70 and Robert.

1937 — ARTHUR R. MANGAN, Camp Hill PA, died on December 3 at the Holy Spirit Hospital. He was a retired director of research and statistics for the state Bureau of Employment Security, a retired USAF lieutenant colonel of World War II and the Korean conflict, and a member of the Church of the Good Shepherd of which he was a special minister. He served on the board of directors of the Trinity High School and the Trinity Band Boosters Club. He was a life member of the General Alumni Association. Active in the affairs of the College, he was a past president of the Harrisburg Alumni Club and had served as a member of the Alumni Council of the General Alumni Association and as a class chairman for the Dickinson Fund. Mr. Mangan was a past president of the

Harrisburg Chapter of the American Statistical Association and a member of the Pennsylvania Association of Retired State Employees. He was a member of the Catholic Laymen's Retreat League, Diocese of Scranton, and the Officers' Club of New Cumberland. He is survived by his wife, three daughters, and a brother, PAUL '34.

1939 — The Rev. EARL E. KERSTETTER, Lewisburg PA, died on November 9. He was a graduate of Drew Theological Seminary and a member of the Central Pennsylvania Annual Conference of the Methodist Church. He served churches in Bedford, Milton and Middletown. Rev. Kerstetter was a member of the Bedford County Society for Crippled Children and Adults, chairman of the Bedford County Child Care, and served on various boards and commissions of the church. He is survived by his wife and a son.

1947 — MARVIN SWERN, Newark NJ, died on September 11. He was employed in the retail field in Trenton, Philadelphia, and Newark. He was a member and past president of the Jewish Family Service of Trenton, a member of the Adath Israel Congregation, and Phi Epsilon Pi fraternity. He is survived by three sons, his mother, and two sisters.

1958 — DAVID A. WOODRUFF, Springfield PA, died on September 21 at the age of 41 years. He had suffered with Crohn's Disease for 15 years, being totally disabled the last five years. At the time of his disability he had been employed as a management associate in the marketing department of the petro-chemical division of ARCO. In January 1976, he went to the University of Washington in Seattle where a catheter was implanted in his chest and he was trained to mix his own IV fluids, which was his only source of nourishment the last two and a half years. He was a member of Kappa Sigma fraternity and the United Methodist Church. He is survived by his wife, SUSAN FOODER '60, a daughter, Tracy '82, and a son.

1961 — The Alumni Office has learned of the death of Mrs. IRENE STENOCZ TARR, of New York NY, on November 7. She is survived by a daughter and her mother.

1965 — CORTLANDT van D. HUBBARD, JR., died on August 22 in the intensive care unit of the Latter Day Saints Hospital, Salt Lake City UT, where he had been a patient for six weeks. Van was a geologist with the Bureau of Reclamation and was involved in the construction of a new dam in Vernal UT. On July 11, with two other geologists, he was inspecting the soil when a huge compactor ran out of control. One man was able to escape unharmed, the second man suffered a broken leg, but Van was pinned against an embankment by the projecting teeth on the compactor and both his legs were crushed. His right leg was removed at the hip

socket, the left half way between the knee and hip. Prior to joining the U.S. Department of the Interior in February 1978, he worked with the U.S. Department of Agriculture, Soil Conservation Service, for 11 years after spending two years with the Pennsylvania Department of Highways. A member of Phi Kappa Sigma, he was also a member of the Big Brother Association, Casper WY, and the Casper Credit Union for Federal Employees. He is survived by his wife, a son, a daughter, and his parents.

1974 — The Alumni Office has been notified of the death of PATRICIA A. MORRISEY, Philadelphia PA, on September 13.

Noted Inventor Dies



At commencement in May Dr. Podbielniak chats with (left) Samuel W. Witwer, president of the Board of Trustees, and Sam A. Banks, president of the College.

Memorial services for Walter J. Podbielniak (D.Sc. '78), a noted inventor, chemist, and engineer, were held in Rancho Sante Fe, California in December. Mr. Podbielniak, whose inventions are used around the world, died December 13, 1978 after a short illness.

He developed the first major apparatus for the analysis of natural gas and gasoline into individual hydrocarbon components in 1926 when at the University of Michigan. Mr. Podbielniak's inventions, which deal mainly with fractional distillation of liquids and gases, are used today to make most of the world's supply of penicillin.

Podbielniak Inc., a business the inventor founded and originally located in Tulsa, Oklahoma, became a division of Dresser

Industries, Inc. in 1960. Mr. Podbielniak was a consultant to the Dresser division headquartered in Chicago. In 1964 he moved to California.

During World War II Mr. Podbielniak's instruments were vital in making synthetic products such as rubber, chemicals, and solvents. While Mr. Podbielniak's inventions were little known to the public, scientists compared them and his breakthrough, to Edison and his accomplishments.

He held a Bachelor of Science degree in analytical chemistry from the University of Buffalo and the master's and doctor's degrees from the University of Michigan.

Surviving are his wife, the former Nancy Bruce, and three brothers.



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Life Membership: A Life Membership in the General Alumni Association is available at \$25. Gifts are tax-deductible and are used to support *The Dickinson Alumnus*. Send Check to the Alumni Office, Dickinson College, Carlisle, Pa. 17013.

Dickinson Alumni Clubs: Information on Dickinson Alumni Clubs, which are located in many areas across the country, may be obtained by writing to the Alumni Secretary, Dickinson College, Carlisle, Pennsylvania 17013.

