

Carnegie-Mellon Alumni News

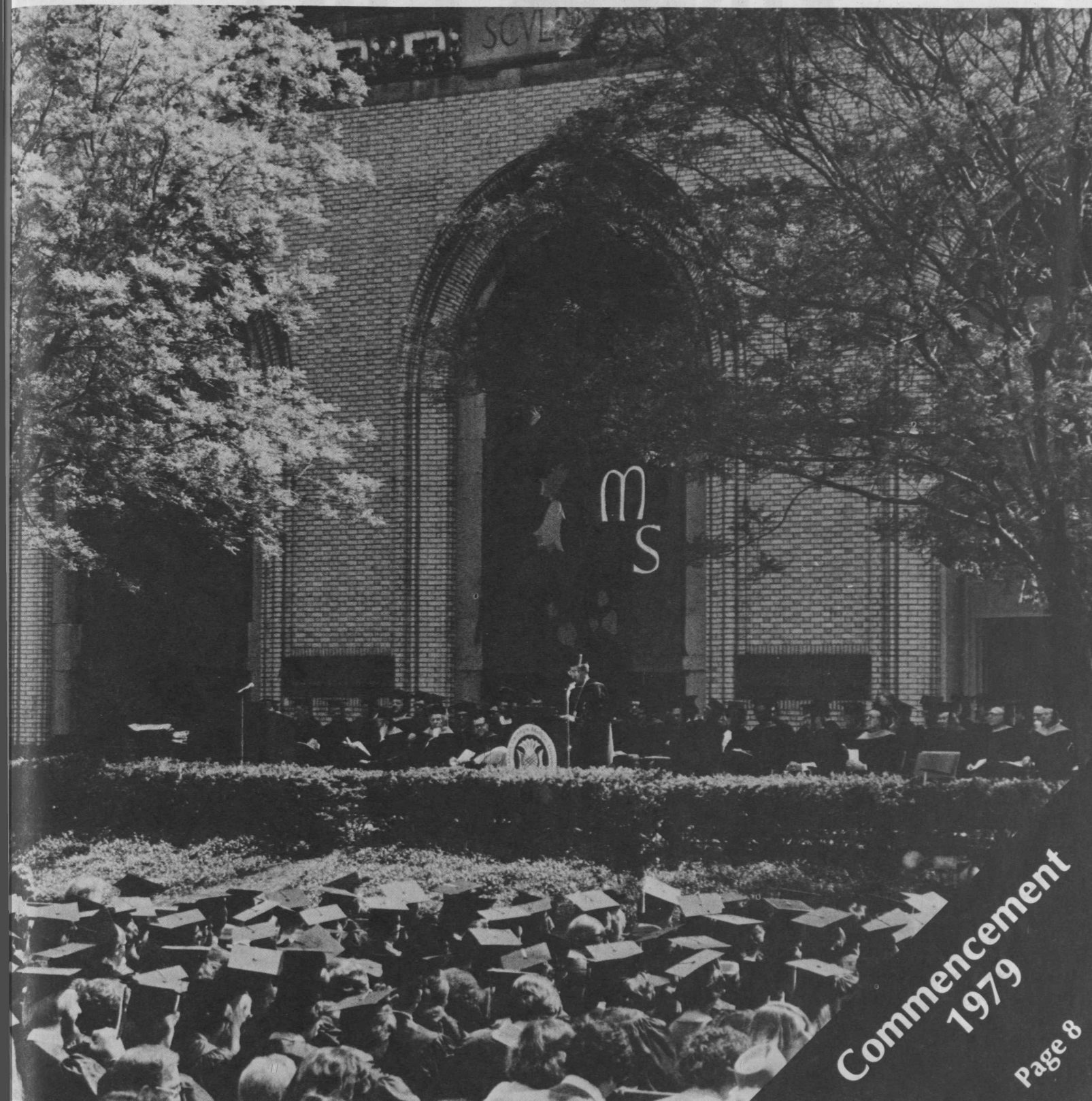
**Alumni Challenge Phase
Reaches \$3,526,185**

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The Alternative Vacation

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**Commencement
1979**

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Introspect



Charge to the Class of 1979

THINKING INDEPENDENTLY

I have the privilege of being the last person to speak to you. If it were possible I would like to give you the words of wisdom that would enable you to achieve all your goals and ambitions immediately. Unfortunately, there are no such words. Instant success and a free lunch are two products that no one has been able to produce. Despite the fact that we live in a society where everything has been accelerated, the road to solid success is generally a long one, whatever the field or the organization.

It is true that monetary success can sometimes be obtained quickly. There are examples of such events, particularly in professional sports and other parts of the entertainment business. Even in those cases, however, much hard work was generally necessary before the success was achieved. I do not want to underestimate the importance of money in our society. As someone has said, money becomes important only when you don't have any. Income is certainly one measure of a person's success, but not the only one. In many cases it is not the best one.

I have used the term "solid success" because I want to make two points that characterize my definition of success. The first is that a person must have some control of his or her life. You should have the opportunity as you progress in life to be increasingly "the master of your fate and the captain of your soul." Few people take advantage of the opportunity. Most people do not develop the knack of planning in their lives. Planning takes effort and the general tendency of individuals is to let the developments of life affect them randomly. We all know what sometimes happens to the "best laid plans of mice and men" but without a strategy for dealing with life we are like dry leaves that are blown about by the wind. To be in control of your life means

planning, and planning means setting objectives. One good approach is to use the technique of backward induction. Try to think through where and what you want to be five years from now and work backwards to know your objectives for each preceding year.

Being in control of your life means having internal standards that are not affected by other people's words or actions. It means that you are the judge of your own life and you do not need the acceptance of the world to determine the quality of your achievements. To be in control means to think independently. Independent thinking is the second characteristic of success and I want to dwell on it somewhat longer, not because control is less important but because thinking is the key to control.

It is hard to think independently in our society. All the pressures are toward conformity and we are all subject to those pressures. The greatest drive for conformity comes from our peer groups. Peer group pressure affects our thinking and hence our behavior on matters ranging from our personal lives to our views of society. Independent thinkers are sometimes shunned by the group. Thus it takes courage to be an independent thinker.

Our form of government needs citizens who are capable of thinking through complicated issues like energy and inflation on the basis of logic without emotion. Yet the income class, which helps determine our peer group, the organization in which we work, the newspapers we read, the political party to which we belong — all are exerting pressure on us to think in prescribed ways. As a result we are forced into positions in which we feel comfortable because our friends are there also. Thus we get a society which is fractionated with each group distrusting the other. The government bureaucrat is convinced that big business can do no good and his thoughts are reciprocated. Stereotyped thinking assumes that people are motivated simply and completely by their position and their organization. A businessman is interested only in profit and cares nothing for anything or anyone else. The government bureaucrat is interested only in power and the politician only in votes.

Hopefully you have learned how to think independently. One of the objectives of a Carnegie-Mellon education is precisely that. Nevertheless even when you have been educated in the proper methods it sometimes takes courage to follow the path you think best. One result of education is that we learn to respect experts. Part of the reason is that the experts tend to teach what they know and do not emphasize what they do not know. I am not advocating that you show disrespect for authority or that you ignore experts. However, I am saying that on any issue affecting our country you as a citizen have an obligation to think the issue through for yourself.

(continued on page 15)

A Typical Day On Campus

Attempting to chronicle a day in the life of CMU may be a bit foolhardy. A community peopled with over 6000 students and employees, after all, does not have just one day; rather, one day has at least 6000 days. In addition, there is the problem of deciding at what time a "day" at CMU begins: the Security Office, for example, operates on a 24-hour basis and the Computation Center never closes. With this in mind, it seems reasonable to take our cue from the heavens. Let's begin our "day in the life of CMU" near the crack of dawn . . .

It's five a.m. and some of the 130 people employed by Food Service are already preparing the 5300 meals to be served today in the five campus dining rooms. Waiting to be consumed today are 335 gallons of milk, 250 pounds of hamburger patties, 70 pounds of ground beef, 135 pounds of roast beef . . .

But at seven a.m., a single cup of coffee will satisfy. Into Skibo's Bakery-Deli comes the first of 300 customers, to buy coffee and one of the 600 donuts sold daily. More coffee and donuts are consumed as the campus fills up with 730 secretaries, clerks, and maintenance workers; 450 faculty members; and 198 administrative executives — many vying for 1300 parking spaces in the 12 campus lots. In one half hour, the Kiltie Cafeteria and Morewood Gardens Cafeteria, the university's main dining rooms, will serve breakfast to 1000 people.

In the 40 separate units that make up the dormitory system, housing 2200 students, alarm clocks call attention to 8:30 classes and early morning obligations. Maintenance crews and housekeepers move in as bleary-eyed students move out. Today in the Morewood Gardens/Mudge House dorm area, maintenance will answer 25 notices of stuck windows, leaky faucets and clogged drains. Housekeepers armed with cleansers and vacuum cleaners will tackle bathrooms and hallways.

At eight o'clock the three university libraries open, and librarians start checking out the first of 500 books borrowed every day.

By nine-twenty the first batch of 497 daily classes have concluded. The sidewalks swell with people, and cafeteria workers steel themselves for the between-class crowds, the first of the every-hour-on-the-half-hour rushes throughout their working day. If the wind is right, sounds of sopranos struggling to reach one note higher waft across the Cut from the College of Fine Arts. In a small building behind Fine Arts, students oblivious to the regular change of classes work in crews to prepare for one of the year's 25 studio theatre productions.

At ten-thirty, student clerks open Entropy, the student-operated convenience store located in Skibo. In the Post Office in Baker Hall, the staff sorts through 10,850 pieces of mail. At Warner Hall a reporter from the *Tartan* interviews Dean of Students Earle Swank



The student cafeteria is always busy.

— he is interviewed once every two weeks — and next door Assistant Dean Lois Cox helps members of a student organization unravel their club's financial problems.

Downstairs in the Admissions Office, Vice Provost William Elliott studies the contents of folders belonging to some of the 4000 students applying for 1000 freshman openings a year. In the course of 18 months, the length of Admissions' planning cycle, Elliott will correspond with 80,000 high school students across the country.

In the Margaret Morrison Carnegie Building across campus, drama and music theatre students practice leaps and twirls in the dance studios on the second floor, oblivious to the architecture students drafting in their studios one floor above. The building contains an eclectic mix of people and activities: Along with the architecture studios, the third floor houses classrooms used by the School of Urban and Public Affairs (SUPA) and the Language Laboratory, where headphone-equipped students huddle at individual carrel to listen and reply to tapes of foreign languages. The dance studios on the second floor share space with the SUPA computer terminal room, along with the drama department's costume shop and craft room. Sewing machines, washers and dryers, dress forms and clothes racks clutter the shop, and the crafts room is lined with dark and massive machinery acquired from a shoe repair store. The fourth floor houses offices and classrooms for the C-MAP and Upward Bound programs as well as for the Post College Professional Education program, an extension of CIT. Down on the first floor is SUPA's dean's office and lounge, and classrooms used by the music department.

The activities don't stop at the ground floor. Children aged three to five enjoy the brightly decorated Children's School; and the second basement houses CMU's ROTC facilities.

At lunchtime, 300 people converge on the faculty dining room in Skibo. In one of the private dining rooms, President Cyert lunches with an executive from a Pittsburgh industry. President Cyert has been in meetings all day, as he usually is, before lunch seeing one of the five deans — he meets with a college dean every three weeks — and interviewing a candidate for a faculty position. After lunch he'll meet with one of the university's 24 department heads, as he does once every month. Tonight he will respond to student questions on WRCT, the campus radio station, from 7-8 p.m.

The mood on campus changes distinctly in the afternoon. While many people hurry back to the various academic buildings for classes or seminars, others work privately, in Doherty Hall labs, Baker Hall studios, Fine Arts practice rooms. Students let individual pursuits take over: one heads over to Baker Hall to man the Peer Help Center, a student-run counseling service; another walks to the Forbes Street Gallery, the school's student-run art gallery, for a poetry reading given by creative writing majors. Those with time to spare relax at the Tartan Grill with friends and listen to the juke box, or play tennis on one of the six courts, or throw a frisbee on the Cut.

For many, the day ends at five o'clock — university offices close for the night and employees head for home — but for many others the day starts anew. An Activities Board lecture is about to begin in the Skibo Ballroom, a movie is playing in Doherty Hall 2210, the Tech Flying Club assembles in one of the meeting rooms in Skibo. For some students, the real work begins now: they'll stay in the libraries until midnight, closing time; or spend all night drawing, drafting, or designing; or "pull an all-nighter" at the comp center, trying to get a program to run.

The student escort service, overseen by the Security Office, operates until 2 a.m. Thirty-nine men and women on the custodial staff clean around students working late in the academic buildings. At about 3 a.m., adventurous students bearing brushes and cans of paint will sneak out to the fence on the Cut to paint over last week's message and add their own announcement.

And at 6 a.m., a bleary-eyed student can be seen heading back to his dorm, after an all-night study session or wrestling match with the computer. As he passes by Skibo, he'll be able to catch a whiff of fresh coffee and donuts coming from the Bakery-Deli . . .



After class, student work on academic projects.



William Elliott (seated), Vice Provost for Enrollment Planning, looks over applications with Associate Director Sanford Rivers.



Dean Swank and Lois Cox listen to the students' side.

Dean of CIT

Interview With Herb Toor

Irreverent, candid Herb Toor — for the last nine years dean of engineering at CMU — is going, but not quietly.

At the beginning of the semester Toor announced that he was resigning as dean of CIT — as soon as a successor can be found — because “nine years is long enough.” Although he’s not discussing his future plans, CMU’s outspoken engineer did have more than a few thoughts about engineering, education and the changes he’s seen in both.

Engineering has weathered its ups and downs and Toor has seen the process go full cycle in his administration. In the early seventies, CIT’s enrollment was in the slumps with some 1000 students — now it’s at an all time high of 1800. But, in Toor’s view, the boom is a mixed blessing. Next year plans call for cutting back the number of freshmen, and hiring additional faculty. He would prefer that engineering faculty and resources grow to meet the still increasing demand for an engineering education. As of now, CIT is one of the smallest of the top-ranked engineering schools in the country.

While the size of CIT’s student body has fluctuated over the years, its composition has only changed in one direction: away from a student body that is overwhelmingly white males. Toor has nothing but praise for the results. The percentage of women in engineering classes rose from 2.8% in 1968 to almost 18% today. Similarly, the number of blacks has risen from virtually nil to 11% of the students.

“The reason we have such a high percentage of women and blacks is simple; we recruited them,” Toor says. The university’s C-MAP program, directed by Marion Oliver, was specifically established to recruit bright, aggressive minority students with special summer and advisory programs supported by industry and government.

“There’s also been a concerted effort to woo women. The first step was to show that there would be work opportunities — that they could get a job when they graduated and not be relegated to a position as a science librarian or some other tangential occupation. And the women we got at first were the pace-setters; they were bucking the system and there was a high percentage of leadership types among them. Once they came here, they were able to cope, and now it’s accepted among women that they can be engineers.”

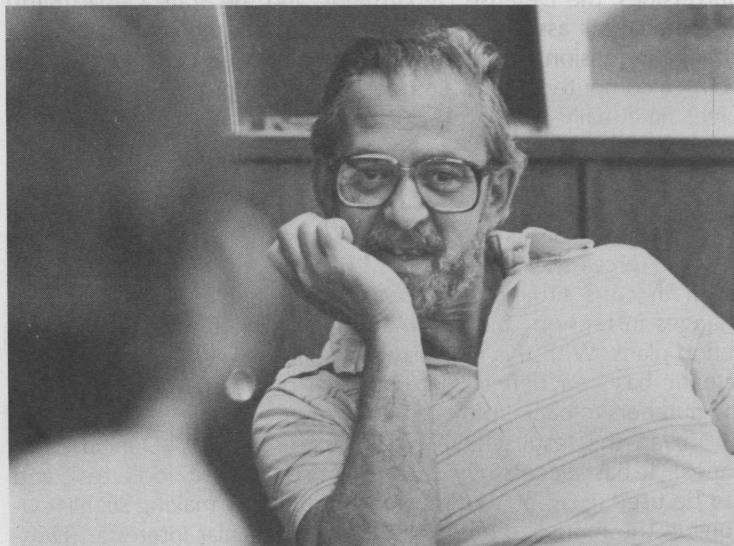
Toor sees the changes as being good for the field. “It’s appropriate that engineering be in better balance with the rest of society, that its makeup more closely reflect the composition of society at large,” he says. He believes that significant numbers of women in the classroom affect education as well. “Let’s face it, engineering always tended to attract the macho, authoritarian types, but now these students are being confronted with a group that often has a different set of values.” At the risk of sex stereotyping, Toor ventures the belief that “women are less uptight and very different socially, and that tends to lessen the authoritarianism.”

In fact, if there is a predominant theme to the changes that have been taking place over the past ten years in engineering education, it might be summed up in Toor’s phrase “unsquaring the engineer.” In the late sixties, the engineering curriculum was changed to enable students to have greater selectivity in choosing elective

courses, a process Toor terms “loosening the lockstep of a rigid discipline.” In the early seventies the curriculum was re-designed to accommodate a sequence of Analysis, Synthesis and Evaluation courses which provide pragmatic, hands-on, problem-solving experiences to balance heavily theoretical courses.

The beginning of a new orientation to engineering was also introduced, resulting in what is now the department of engineering and public policy. In this department, where virtually all the students are pursuing a double major with one of the traditional engineering fields, the emphasis is on putting technical problems in their societal context.

Through course work and semester-long projects, EPP students look at the public policy aspects of technical problems. For example, a student study of Pennsylvania’s Mandatory Motor Vehicle Inspection Program analyzed the causes of auto accidents to see what percentage was due to mechanical failures as opposed to driver error, weather conditions, or poorly maintained roads. The students not only made recommendations of how state funds could be better spent to reduce accidents, they also uncovered a pattern of negligent and fraudulent vehicle inspections by private garages. Other projects have explored the state’s deteriorating bridges, suggested methods for evaluating the location of power plants in the state, and examined air pollution regulations from the perspective of economic costs and benefits.



Herb Toor

If there is any area that Toor is not so pleased with, it’s CIT’s changing financial base. During the ‘50s and ‘60s most faculty research was not supported by outside funds; NSF traineeships and NDEA fellowships financed many graduate students. But in the late sixties and seventies, at the same time that research expenses in the form of laboratory equipment and facilities were rising, the federal government cut back on direct student support.

“It was clear to me that unless we did something, we’d be out of business,” Toor recalls. He encouraged faculty to secure grants and contracts to support their research and graduate students.

As a result, over the last eight years, outside support for research went from approximately \$1.8 million to \$6 million per year. But now, he believes, all the research commitments have put a significant strain on faculty, who must juggle the demands of a large number of students against the continuing search for new sources of funding.

“It’s not an easy situation to resolve,” Toor says. “We’ve grown dependent on outside money to keep faculty salaries competitive. And right now, when we need to attract more faculty, demand for engineers in industry is so high that relatively few are getting advanced degrees and going into teaching.”

That’s little wonder when you consider that a student earning a B.S. in chemical engineering, for example, can move right out of a school into a first job that pays \$20,000.

As Herb Toor might wryly note, even prosperity has its problems.

Campus News

FORECASTING INTERNATIONAL CRISES

George T. Duncan, an associate professor of statistics, has developed a method of forecasting probabilities of international crises.

In collaboration with Dr. Brian Job, an assistant professor of political science at the University of Minnesota, he has developed a statistical model that produces a 30-day forecast of the probability of rapid changes in the internal or external politics of a country. It bases predictions on present levels of tension, using a scale of one to five, and gives the daily probabilities of tension both increasing and decreasing for the following month.

To make such predictions, the model takes subjective assessments of a given situation from international relations analysts at universities, the Defense Department, and the State Department. These analysts assess the amount of tension, the probability of a change in tension, and the waiting time between changes. At this point, a computer applies a model to develop probability forecasts. Over time, daily data is obtained on tension levels and statistical methods are used to make slight revisions in the analysts' opinions based on these data.

"This method of obtaining crisis probabilities is particularly important for analysts and policy makers," comments Duncan, "because it forces them to deal with many of the uncertainties that occur in crisis situations, emphasizes the probabilities of future changes in tension, and could act as a basis for suggestions and action plans. With this information, analysts will have a more systematic basis for defining international crisis situations, and have the numbers to back-up their statements."

"So far, the results have been very promising," Duncan continues. "It has successfully depicted crises in the Middle East, and can be used in other countries or situations by making slight revisions in the model to reflect the user's particular interests." Duncan's research has been sponsored by the Advanced Research Projects Agency of the Department of Defense.



At a standing-room only ceremony in the auditorium of the Hunt Institute on March 29, Myron Joseph (I) — Pennsylvania's new Secretary of Labor and Industry — was officially sworn into office by his long-time friend Judge Lawrence W. Kaplan. Joseph is currently on leave as Professor of Economics and Industrial Administration. He has been a member of the CMU faculty since 1948.

"CELL DIVISION, MOTILITY RELATED TO CANCER," SAYS BIOLOGIST

Robert Goldman, a professor of biological sciences at CMU, has performed experiments that indicate that tumor formation is caused, in part, by a cell's motility — its ability to move and divide to create new cells. "The real irony of this is that cell motility is crucial to the development of complex organisms, though later it can serve to destroy them," says Goldman.

During the embryonic stage of life, cell migration and division are necessary, natural processes. As the embryo completes the gestation period, is born, and matures, most cells lose their motility as part of a natural aging process. While various aspects of motility continue to play important roles in neuro-transmission, digestion, and other metabolic processes in adults, most cells in the body stop dividing and moving by adulthood.

"When cells in certain adult tissue re-initiate division and movement, tumors can develop," Goldman says. "With benign growths, the cells only retain the ability to divide, such that one cell becomes two, then four, etcetera, until a noticeable lump develops. In malignant growths, the cells regain full motility. That is, not only do they divide, but they also 'break loose' and migrate throughout the body. At some point, they lodge and create new malignant tumors.

"The proteins involved in motility are altered in many types of malignant cells. Ultimately, this could be an important discovery from a diagnostic point of view. If we can discover what molecules control motility, we will have a better understanding of the nature of cancer."

Goldman's research, funded by the National Cancer Institute and the National Institute on Aging of the National Institutes of Health, is basic to understanding the mechanisms that change normal cells into cancerous ones. "If these configurations are related to motility, we may be on the way to isolating tumors long before they are noticeable, but that's far in the future."

ARNOLD BANK RECEIVES TYPE DIRECTORS CLUB MEDAL

Arnold Bank, internationally known calligrapher and CMU professor of design, has been awarded the prestigious Type Directors Club Medal in recognition of his outstanding contributions to excellence in printing and typography.

The medal is awarded periodically by the New York-based Type Directors Club, an organization established in 1945 "to provide the means for inspiration, stimulation, and research in typography and related fields of the graphic arts." Bank, who is a charter member of the club, is only the sixth person to receive this award.

FACULTY RETIREMENTS

DONALD J. BYERS
Associate Professor of Design
Assistant Head, Department of Design
1962-1979
(Associate Professor Emeritus)

RUDOLPH FELLNER
Associate Professor of Music
1964-1979
(Associate Professor Emeritus)

MARCUS S. MORGAN
Professor of Chemistry
1943-1979
(Professor Emeritus)

JOHN E. PEKRUHN
Professor of Architecture
1947-1979
(Professor Emeritus)

BERNARD L. SACHS
Assistant Professor of Art
1962-1979
(Assistant Professor Emeritus)

RICHARD A. WELLS
Associate Professor of English
1945-1979
(Associate Professor Emeritus)

A Cool Idea For Saving Kitchen Space

"The traditional household refrigerator is the high rise building of the kitchen landscape," quips Alessandro DeGregori, associate professor of design.

To solve the problem of the ungainly refrigerator towering over more streamlined built-in kitchen appliances, DeGregori and three of his students, David Beckstrom, Walter Brown, and Robert Cassetti, have come up with an innovative design solution. Their idea of an avant-garde refrigerator for a typical family is a counter-height model consisting of three adjacent compartments on wheels. One "cart" is for frozen food, another is a "damp cold" area for vegetables and cooked food; the third, a "dry cold" compartment, is for milk, sealed jars, and bottles of all shapes and sizes. There's even a drawer in the "dry cold unit" for film, medicines and other items labeled "keep in cool place."

In essence, DeGregori and his students have turned the traditional refrigerator on its side. Making it counter-height provides additional valuable work space in the so-called "working triangle," bounded by the sink, oven, and refrigerator. The convenient height also makes room for accessible cabinets just above the refrigerator, eliminating those impossible-to-reach storage areas above the traditional refrigerator where everyone stores the white elephant wedding gifts they never intend to use.

DeGregori explains that in addition to these conveniences the new refrigerator concept is better suited to changing American lifestyles. "In small apartments modern kitchens are being opened up to double as both work space and living space," he says. "In this new environment as kitchen furniture is increasingly refined for this dual role the old style refrigerator becomes more and more visible as an embarrassing volume."

To design their refrigerator of the future, the team analyzed floor plans and traffic patterns of existing kitchens and noted strong and weak features. "In all these studies," says Beckstrom, "the monumental size of the refrigerator stood out. We brainstormed and decided to put the whole thing under the counter."

"But," adds Cassetti, "the real innovation was the cart." Unlike the traditional refrigerator where it is not easy to reach food stored on the back of the shelves and where people in wheel chairs have difficulty reaching top shelves, food in each compartment is easily accessible from the left, right, and top.

The carts are also energy efficient. "When the cart is pulled out," DeGregori explains, "it stops against the front trim, and the back of the cart forms a second door, protecting the refrigeration box and keeping the compressor at minimum load." Energy is also saved by having three separate units. "The whole refrigerator isn't opened everytime someone wants a glass of milk."

"Actually, the cart is the basic module," DeGregori says. "A typical family-size refrigerator includes three carts, but the basic single unit is sufficient for use in dormitories, hotels, or offices." The students add that inner shelves are also interchangeable. This modular, "one-size-fits-all" concept keeps manufacturing costs down.

To determine the appropriate dimensions for the carts, the students conducted "man in the supermarket" interviews, relating the size and composition of shoppers' families to the contents of their supermarket baskets. They also carefully measured all those hard-to-squeeze-in items which make unpacking the weekly groceries such a chore — gallon containers of milk, giant economy size catsup bottles, half-gallon jugs of Chablis.

DeGregori points out that the unit could be mass produced as a bare cabinet which could be finished in different ways and either distributed under various brand names or custom-finished by local kitchen furniture shops. The cart has been designed to be molded in one piece by reaction injection molding of a polyurethane structural foam such as Mobay Chemical's "Baydur."

DeGregori and his students have already completed a full scale visual model (see photos). Although he believes there may still be some "minor details to debug," DeGregori is preparing to get the project off the drawing boards. "Our next step will be feasibility and marketability studies," he says, "along with the construction and testing of a working prototype."

A small sample of potential users has indicated that the new refrigerator should find acceptance on the market. But even if things go according to expectations, DeGregori does not anticipate the extinction of the "high rise" refrigerator. "Furthermore," he says, "in time it could be recycled as a collectible symbol of the past, along with the telephone!"

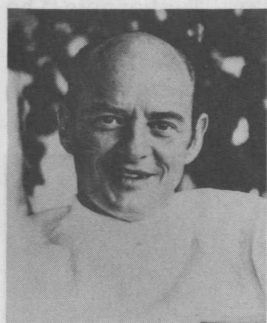
— Gail McGuire



Commencement 1979

Honorary Degrees

William Ball Doctor of Fine Arts



William Ball is general director and founder of the American Conservatory Theatre in San Francisco.

Beginning in the theatre as a designer, he turned to acting and appeared with regional companies and Shakespearean festivals across the country.

Mr. Ball made his New York directorial debut with Chekhov's little-known *Ivanov* in an off-Broadway production that won the Obie and Vernon Rice

Drama Desk Awards for 1958. The next few years found him directing at Houston's Alley Theatre, San Francisco's Actor's Workshop, Washington D.C.'s Arena Stage, San Diego's American Shakespeare Theatre, as well as staging several operas for the New York City Opera.

His 1959 off-Broadway production of *Under Milkwood* won the Lola D'Annunzio and Outer Circle Critics' Awards. In 1962, his production of *Six Characters in Search of an Author* proved another multiple award-winner and enjoyed an extended run in New York.

After directing at Canada's Stratford Festival, Mr. Ball returned to New York to write the libretto for an opera, *Natalia Petrovna*, with composer Lee Holby, based on *A Month in the Country*. In 1964, he directed *Tartuffe* and *Homage to Shakespeare* at Lincoln Center, then travelled to London to recreate his staging of *Six Characters*.

A graduate of Carnegie-Mellon, he has been the recipient of a Fulbright Scholarship, a Ford Foundation directorial grant and an NBC-RCA Director's Fellowship.

Among the first plays he directed for his American Conservatory Theatre were *Tartuffe*, *Six Characters*, *Under Milkwood*, *Tiny Alice* and *King Lear*. They were followed by *Twelfth Night*, *The American Dream*, *Hamlet*, *Oedipus Rex*, *Three Sisters*, *The Tempest*, *Rosencrantz and Guildenstern Are Dead*, *Caesar and Cleopatra*, *The Contractor*, *Cyrano de Bergerac*, *The Crucible*, *The Taming of the Shrew*, *The Cherry Orchard*, *King Richard III*, *Jumpers*, *Equus* and *The Bourgeois Gentleman*. Mr. Ball has directed three of his productions for PBS television, including *The Taming of the Shrew*, for which he received a "best director" nomination by the Television Critics' Circle. He also works as a teacher in A.C.T.'s conservatory programs.

Ruth M. Davis Doctor of Engineering



Ruth M. Davis is Deputy Under Secretary of Defense for Research and Advanced Technology, Office of the Under Secretary for Research and Engineering, Office of the Secretary of Defense.

Before coming to OSD, she was director of the Institute for Computer Sciences and Technology of the Commerce Department's National Bureau of Standards. Prior to that she was the first director of the Lister Hill National Center

for Biomedical Communications.

Her professional career includes the development of the first computer programs for nuclear reactor design (1952-1955), original work in some of the first analyses and designs of military command and control systems (1955-1960), and in techniques for design and use of automated display-centered information systems. Since 1962, she has been active in several fields of computer information processing technology such as automation, robotics and control systems, and automated information management, biomedical applications of computers and communications, computer networks and applications of computers and communications to intelligence and reconnaissance operations.

During her public service career, Dr. Davis has received many awards including the National Civil Service League Award in 1976, the Rockefeller Public Service Award for Professional Accomplishment and Leadership in 1973 and the Department of Commerce Gold Medal in 1972.

She is a fellow of the Society for Information Display. She has also been elected to membership in the National Academy of Engineering and the National Academy of Public Administration. She serves on the Electric Power Research Institute Advisory Council, has been elected to the Council on Library Resources and serves on two of the Harvard Board of Overseers committees.

She has received medals from the University of Helsinki in Finland and Karolinska Institutet in Sweden. Dr. Davis received her B.A. degree from American University in 1950 and her M.A. and Ph.D. degrees in 1952 and 1955, both from the University of Maryland.

Marvin L. Goldberger Doctor of Engineering



Marvin L. Goldberger is president of the California Institute of Technology (Cal-Tech).

He has been an advisor to various government agencies on national security affairs. In 1959, he was one of the founders of the Jason Group, originally associated with the Institute for Defense Analysis and now with SRI International. This group of about 35, composed mainly of physicists, works for the Department of Defense and other agencies on both classified and unclassified problems involving advanced technological concepts.

Dr. Goldberger was a member of the President's Science Advisory Committee from 1965 to 1969 and a long-term member, and ultimately chairman, of its Strategic Military Committee. He was chairman of the Federation of American Scientists during 1972 and 1973. He was a member of the Ford Foundation — Mitre Corporation study *Nuclear Power — Issues and Choices*.

He has also been heavily involved in international scientific affairs. From 1963 to 1969 Dr. Goldberger was chairman of the High Energy Physics Commission of the International Union of Pure and Applied Physics (IUPAP) and for several years a U.S. representative to IUPAP. In May 1972 he headed a scientific delegation to the People's Republic of China which arranged for the first visit to the U.S. of a group of Chinese scientists in December 1972. Six months later, he returned to China as head of a delegation of U.S. physicists.

Dr. Goldberger is the author of about 150 scientific papers on a wide variety of subjects in theoretical physics: nuclear physics, plasma physics, theory of intensity correlations, reactions among elementary particles at high energies, S-matrix theory and quantum field theory. He is best known for his work on the theory and application of dispersion relations to problems of weak and strong interactions and for his monograph (with K.M. Watson) *Collision Theory*.

He is a fellow of the American Physical Society and currently vice-president elect, a fellow of the American Academy of Arts and Sciences, member of the National Academy of Sciences, and a member of the Council on Foreign Relations. In 1961 he was awarded the Dannie Heineman Prize for Mathematical Physics.

Dr. Goldberger received his bachelor of science degree from Carnegie-Mellon in 1943. Five years later he received his Ph.D. degree from the University of Chicago.

Irving S. Shapiro Doctor of Laws



Irving S. Shapiro is chairman of the board and chief executive officer of the Du Pont Company, the world's largest chemical firm.

He came to Du Pont in 1951 as an attorney in the legal department after serving for eight years in the Department of Justice during the Roosevelt and Truman Administrations.

In 1965 he was appointed assistant general counsel of the company. He became a vice president, director and member of the Executive Committee in September 1970 and was designated a senior vice president in January 1972.

In July, 1973, Mr. Shapiro was named vice chairman of the board, a new position that made him the second ranking officer of the company behind Chairman Charles B. McCoy. In the following December, he was named as Mr. McCoy's successor.

Born in Minneapolis, Minn., the oldest of three sons of Lithuanian immigrants, Mr. Shapiro graduated from the University of Minnesota with a bachelor of science degree in 1939. Two years later, he received his bachelor of laws degree from the same university. He was admitted to the Bar in Minnesota in 1941 and in 1944 was admitted to practice before the United States Supreme Court.

He is a director of International Business Machines, Citibank and Citicorp, the Bank of Delaware, Continental American Life Insurance Company and Greater Wilmington Development Council.

He is on the board of trustees of the University of Minnesota Foundation and on the board of trustees of the University of Delaware. He is also a member of the board of directors of the Associates of the Graduate School of Business Administration of Harvard University, the visiting committee of the John F. Kennedy School of Government of Harvard University, the board of trustees of the University of Pennsylvania, and the board of governors of the University of Pennsylvania Law School.

Mr. Shapiro is an American director of the U.S.-U.S.S.R. Trade and Economic Council, Inc., a member of the Advisory Council on Japan-U.S. Economic Relations, and a founding member of the board of governors of the Jerusalem Institute of Management in Israel.

Mr. Shapiro is a trustee of The Conference Board and the Ford Foundation. He was elected chairman of The Business Roundtable in June 1976 and served in that capacity for two years. He is a trustee of the Academy of Natural Sciences, and a member of the American Academy of Arts and Sciences, the Business and Professional Friends Committee of the National Center for State Courts, and the executive committee of the Coalition for Adequate Judicial Compensation.

1476 Students Receive Degrees



at 82nd Commencement



Alumni Challenge Phase Reaches \$3,526,185

By the time this issue reaches you, all clan areas will have held their kick-off dinners, and the campaign will be in full swing. Some areas are striving to make contact with the last few alumni who have not yet been brought into the fold, while others are just starting their campaigns of personal solicitation.

The March issue reported that Washington, D.C. was in first place as far as alumni participants, but Washington was nosed out for this report by the Fairfield (Conn.) clan with a 45.5% of participation. Fairfield hopes to acquire even more supporters.

The young, enthusiastic Princeton clan reports that they have raised 133.8% of their agreed upon goal and have taken over first place from the Suncoast Clan (St. Petersburg/Tampa area). However, a recent telethon in St. Petersburg could change this.

A new clan that has not reported yet, but which could be a surprise starter, is Minneapolis/St. Paul headed by Larry Kurzweil and Bill Lombardo. Larry and Bill are recent GSIA graduates who are working on a plan to prove something to the rest of the clan areas. Watch them come through in the next report.

Alumni eyes are upon the Pittsburgh areas, and it is obvious they are not living up to their potential. Alumni in these areas will be hustling again soon to reach their goals so that they can be "over the top" by the time the campaign books close.

Questions are being asked as to what happened to the old stand-by teams of Philadelphia and Los Angeles. 23.3% participation in Philadelphia and 25.2% in Los Angeles is not indicative of the long-term support of which these areas are capable.

Hans Lange, a relatively new alumni worker, has produced miracles with the Fairfield area alumni. In addition, he successfully solicited a \$30,000 contribution from his corporation foundation, and that didn't even count towards his goal. Nice going, Hans!

Outstanding dinners were recently held in Houston, St. Louis, Cleveland and Chicago. Don Baeder in Houston is making his area hum. Neil Galluzzo in St. Louis is promising 100% solicitation of all alumni in the area. "Chris" Christensen in Chicago has already earmarked his total goal.

Lindsay Morganthaler of Cleveland exerted her creative talents and held the kick-off dinner in an antique car museum — great attendance, great spirit and an excellent report. And special thanks to A.D. Martin of Dallas who held the kick-off dinner for 53 people in his living room. Texas does it big and big things will happen in Dallas before the campaign ends.

Alumni in areas where kick-off dinners have not been held will be contacted by mail in the next few months. Every alumnus is being asked to make a three year pledge. Your university needs your support now. Return your pledge card as soon as you receive it.

If you have been one who has always wanted to do something for your university, but never got over the inertia — now is your time. We're looking for, and need, a high percentage of participation.

— Robert G. McCurdy

PERCENT OF ALUMNI PARTICIPATION REPORT As of March 31, 1979

Clan	# Alumni	Pledges	Percent
Fairfield	279	127	45.5
Washington	1322	535	40.4
Rochester	250	90	36.0
Cincinnati/Dayton	226	79	35.0
Long Island	342	110	32.1
Northern New Jersey	737	218	29.5
St. Petersburg/Tampa (Suncoast)	330	96	29.0
Denver	238	68	28.5
Boston	767	212	27.6
Baltimore	457	124	27.1
Ft. Myers/Naples	100	27	27.0
Westchester	347	93	26.8
Buffalo	258	69	26.7
Detroit/Toledo	495	130	26.2
San Diego	197	50	25.4
Los Angeles	1105	279	25.2
Pittsburgh/South Hills	2975	735	24.7
Atlanta	210	51	24.3
Philadelphia	996	233	23.3
Hartford	428	100	23.3
Pittsburgh/East Hills	4000	893	22.3
Princeton	460	91	19.7
Columbus	208	40	19.2
Ft. Lauderdale/Miami (Gold Coast)	503	97	19.2
Pittsburgh/North Hills	1864	343	18.4
Youngstown	320	56	17.5
San Francisco	803	134	16.6
Houston	335	49	14.6
Dallas/Fort Worth	188	21	11.1
St. Louis	174	16	9.1
New York City	738	59	7.9
Phoenix	270	18	6.6
Chicago	821	42	5.1
Cleveland	753	36	4.7

PERCENT OF GOAL REPORT

As of March 31, 1979

Clan	Goal	Dollars Raised	% of Goal
Princeton	\$ 25,000	\$ 33,455	133.8
Sun Coast			
(St. Pete/Tampa)	25,000	31,712	126.8
Detroit/Toledo	59,000	70,710	119.8
Washington, D.C.	115,000	126,047	109.6
San Francisco	60,000	65,776	109.6
San Diego	10,000	9,677	96.8
Pittsburgh/East Hills	187,000	178,716	95.5
Gold Coast			
(Ft. Lauderdale)	60,000	55,489	92.4
Fairfield	40,000	35,045	87.6
Baltimore	25,000	21,255	85.0
Pittsburgh/South Hills	165,000	139,883	84.7
Boston	36,000	29,901	83.0
Hartford	30,000	24,470	81.5
Ft. Meyers/Naples	5,000	4,065	81.3
Atlanta	15,000	12,070	80.5
West Coast Drama	35,000	27,336	78.1
Pittsburgh/North Hills	150,000	111,509	74.3
Cincinnati/Dayton	15,000	10,695	71.3
St. Louis	25,000	17,205	68.8
Northern New Jersey	60,000	42,147	65.3
Denver	10,000	6,537	65.1
Long Island	30,000	18,938	63.1
Dallas/Ft. Worth	25,000	15,508	62.0
Youngstown	18,000	10,945	60.8
Pittsburgh Drama	5,000	2,965	59.3
Houston	30,000	17,343	57.8
Westchester	40,000	21,725	54.3
Philadelphia	110,000	59,471	54.0
Rochester	25,000	13,140	52.5
Cleveland	60,000	30,520	50.8
Chicago	50,000	23,494	46.9
Columbus	10,000	4,130	41.3
Los Angeles	90,000	34,944	38.8
Phoenix	15,000	4,735	31.5
New York City	60,000	18,576	30.9
Buffalo	35,000	10,000	28.5
New York Drama	15,000	475	3.1

THE PITTSBURGH MEN'S CLAN

invites you to come to the

Three Rivers International Circus

Sunday, November 18 — 6 P.M.
at the Civic Arena, Pittsburgh.

6,000 choice seats have been
reserved for alumni and friends.

Proceeds will be used to refurbish the
uniforms for the Kiltie Marching Band

(Complete details will appear in the September issue.)

Plain English Spoken Here

Several years ago, Rick Staelin, the associate dean of GSIA, was involved in a law suit concerning the language in credit agreements from local banks. As an expert witness, Staelin was asked to make a survey to determine if people could, in fact, understand the loan agreements.

Staelin asked upper middle-class white-collar workers from Pittsburgh and surrounding areas to read one clause in the loan agreements, and then to explain what it meant. Out of the 150 people sampled, only five or six understood the clause, and some of the people who misinterpreted it were lawyers.

"I thought the number of incorrect answers would be high, but I didn't expect that 85-90% of the people would have no understanding of what the contract clause meant," comments Staelin. The basic issue in the case concerned whether or not the plaintiff could understand a specific clause, in which he waived a right to keep the last \$400 he had in his possession if he defaulted on a loan. This right, which was established around 1874, is an obscure law, but all loan agreements from local banks had a clause that made borrowers waive it.

The case eventually went to the Pennsylvania State Supreme Court, where it was decided that, on the basis of Staelin's survey, the clause was not understandable. The plaintiff won the suit because he had, in fact, signed a contract without knowing what it said.

Anyone who has tried to read a standard lease or loan agreement, may not find this so improbable. Sentences such as "No creatures other than humans may inhabit the aforementioned apartment" may seem ridiculous, but they appear in almost all contracts. Because of such language, people either don't read the document or else hand it to a lawyer to tell them what it says.

Legal cases similar to Rick Staelin's have sprung up all over the country in the last few years, and government agencies as well as consumer groups are concerned.

As part of this growing concern, the Department of Health, Education and Welfare (HEW) began the \$1.4 million Document Design Project. Part of this contract, some \$238,000, has been awarded to five professors at CMU to help develop methods of simplifying the language used in bank and credit agreements, leases, mortgages, regulations, and other types of public documents.

The professors, Lee Gregg, Linda Flower, John Hayes, Erwin Steinberg, and Richard Young, will work with teams from the American Institute for Research (AIR), and Siegel & Gale, a private firm that specializes in language simplification and training. "Many public documents contain confusing instructions, needlessly complex sentences, poor organization, and legal language which the user cannot interpret. People lose money and time trying to fill out income tax and social security forms because they're trying to figure out instructions that even professionals can't always understand," comments one of the research assistants, Joyce Hannah.

According to Hayes, "Some lawyers say that it is impossible to translate legal terms into common English. But lawyers working with document design researchers have found that they can indeed do exactly that. It takes a bit of effort, but it can be done."

Retired Professor Howard Worner

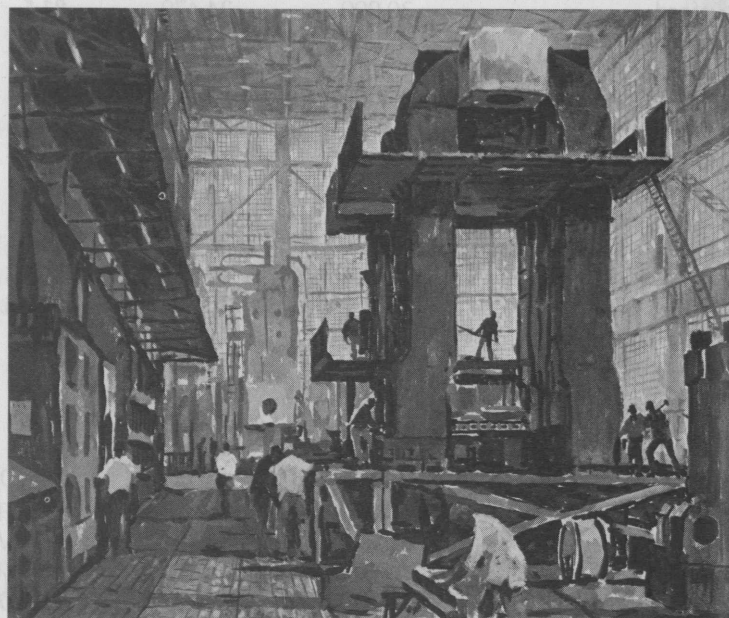
A Painter of Industry

Early this semester, Prof. Howard Worner brought a collection of his paintings into the College of Fine Arts to show them to a classroom full of eager students. The setting that morning — students settled on tall stools behind paint-spattered easels — was a familiar one for Worner. He had played that scene for more than 30 years as a CMU professor of both painting and design. Now retired, he returns to campus often, to talk to students about the unlikely combination of the artist with the machine which has made his career unique.

"Retired" is a label which doesn't suit Worner, for he has barely stopped moving since his exit from CMU in 1977. His career as an industrial artist has most recently taken him on a 5,000 mile tour of the northeastern United States to complete illustrations for the business calendar of a Pittsburgh-based manufacturer. "I've painted probably every steel mill of any size in this country and in 22 other countries," he says. Since 1947, he has made a profession of depicting plant sites, production lines, and other industrial scenes for American manufacturers. It is an especially rewarding occupation in his retirement, since it represents the fulfillment of his boyhood dreams.

When Worner was growing up in Gloucester, New Jersey in the 1930's, his fascination with electronics promised to dictate his future. But when a high school art teacher handed him a paintbrush, his love of almost anything mechanical took a backseat to oil paints, palettes and easels, and he began attending classes at the Philadelphia Museum School of Art (now Philadelphia College of Art). Following his 1935 graduation from the Museum School, Worner spent the next five years as both a free-lance artist, and a staff designer at a Lancaster, Pennsylvania, printing plant, a stint which was abruptly halted when the Army drafted him for a 36-month foreign tour. As part of a map-making battalion, Worner traveled to North Africa, France, and Germany, and was able to do some 200 watercolors and paintings along the way. Following his discharge, he became art director at another Lancaster manufacturer, Armstrong Cork Company. Worner became what he calls "strictly a Sunday painter." Local mills and factories appeared often in his weekend landscapes, but not until his 1947 move to Pittsburgh to join the Carnegie-Mellon faculty would he begin to gain access to manufacturing's internal dynamics.

Soon after assuming his duties at CMU, Worner approached Westinghouse Electric Corporation with a request to enter their plants a few days each week to do "pictorial research." His artistic angle, which he describes as "a balance between the analytical and the intuitive," required a firm grasp not only of the artist's tools and techniques, but also of his subjects. Consequently, if Worner was going to paint machines, he'd first have to see and understand them. His work at Westinghouse sites, however, helped to promote more than just understanding. The company purchased 19 of the paintings for their offices, and featured them in a 1948 exhibit at Pittsburgh's Buhl Planetarium. Worner soon had more commissions than he could handle. One for Alcoa depicted all of their continental U.S. operations, and took 2-1/2 years and more than 30,000 miles of travel to complete.



Assembly Floor, Youngstown, OH

Industry was beginning to claim a big piece of Worner's life, and it was only a matter of a few years until he would encounter the firm which would give him a career lasting beyond his retirement from teaching.

Not long after he had been a student in Howard Worner's class, W.A. (Bill) Brown (A'53) accepted a design post with Wean Industries, an engineering design firm headquartered in Warren, Ohio. Upon Brown's suggestion in 1957, Worner was asked to illustrate the company's first annual appointment calendar. Worner put his technical expertise to work in producing illustrations which were precise likenesses of the Wean facilities. Because the young company wished to portray accurately its foundries, fabricating shops, assembly floors, and finishing departments to clients receiving the calendar, it at first allowed Worner little room for his own interpretation. But as the company grew, so did both Worner's assignments and his artistic freedom.

In 1968, Wean sent Worner on a 15-month-long world tour to picture their machinery in their world-wide plants. Visiting 125 foreign cities, Worner returned with 135 paintings. "Each has that 'gallery painting' quality that's come to be characteristic of Howard's work for us," says Bill Brown, currently general marketing manager for Wean. In fact, the company, now known as Wean United, Inc and headquartered in Pittsburgh, has exhibited many of the 250 Worner paintings in its collection at galleries in Pennsylvania, Ohio, and New Jersey.

Somewhat ironically, machines have begun to disappear from the Wean calendar pages over the years. The 1978-79 edition focused on scenes of Pittsburgh, and a preceding one on little-known sites of the American revolution. Worner has even managed to fit in a series depicting the environs of his oceanside home at Long Beach Island.

Introspect

(continued from page 2)

The public issues today are too important to be left to experts. As independent thinkers you must try to distinguish fact from value judgement or opinion in the testimony of experts. You must ask the question of yourself and the experts, "What is the evidence?" More importantly, you cannot allow yourselves to be intimidated into conformity by the experts.

Similarly you must avoid the intimidation of the crowd. There is a herd instinct that pressures people to act and to think like the crowd. To think clearly and objectively you must squeeze out emotion, including the fear of being different. To paraphrase Rudyard Kipling, you must keep your head when all about you are losing theirs. After you have thought the issue through you may well want to allow emotion back to modify the strictly rational position. Without emotion life is sterile and lacks zest, but you must know when and how emotion is being allowed to affect the strictly rational position.

One of the careless forms of thinking that is prevalent in our society is explaining events by causal variables that cannot be verified, but which satisfy the desire for an instant explanation. The variable that is so frequently used in this form of thinking is "conspiracy." As an example, let us take inflation. How many times have you heard or read that inflation is caused by a con-

spiracy of big corporations, whether the issue is gasoline prices or bread prices? Edwin Cannan, an economist writing some sixty years ago, said that consumers "are perfectly convinced that the rise with which they have to contend for the moment is unnatural, artificial, and wholly unjustifiable, being merely the wicked work of people who want to enrich themselves, and who are given the power to do so not by the economic conditions . . . but apparently by some absolutely direct and inexplicable interference of the Devil. This has been so since the dawn of history . . . but no amount of historical retrospect seems to be of much use. The same absurdity crops up generation after generation."

In short, my advice can be simply summarized. Don't be influenced by your friends or your enemies any more than you are by experts. Avoid herd thinking as well as thinking in stereotypes. In order to be an effective thinker you must be in control of yourself and you must know yourself. Above all, think for yourself. You will not only like it if you try it but the survival of our society ultimately depends upon citizens thinking for themselves.

You have been a good class and have contributed significantly to the creative atmosphere of this campus. You have helped improve the university and now you have the opportunity to do the same thing for the world. You take the best wishes of all of us as you leave the campus.

Goodbye and good luck.

—Richard M. Cyert

ANDREW CARNEGIE SOCIETY

The Andrew Carnegie Society held its seventh annual meeting on April 16th. Afternoon activities included a visit to the CMU Children's School where guests observed the three, four and five year old tots from an observation room equipped with one-way glass. Next followed a tea at the Hunt Institute for Botanical Documentation and a visit to the Hunt Library Fine and Rare Book Rooms where a number of Andrew Carnegie's letters and other personal possessions were on display in addition to the standard exhibits.

At 4:30 Professor Edward L. Cussler discussed sensory perception.

That evening, one hundred twelve members and guests attended the reception, dinner and brief business meeting. A program of Scottish dancing was provided by Sara Jean Erskine Thompson (M'68), her husband Paul and a group of her pupils. The dancers were enthusiastically received by the guests.

Special guests for the day were Mr. and Mrs. Fred Mann from Dunfermline, Scotland. Mr. Mann is secretary and treasurer of the Carnegie Dunfermline Trust and is on an extended visit of Carnegie interests in this country.

During his comments, Mr. Mann extended an invitation to society members to visit Carnegie's birthplace in Dunfermline. President J. Howard Joynt accepted the invitation on behalf of society members and announced a tour for members to London and Edinburgh between August 23 and 30, 1980.

Other business items included a state of the university report by President Cyert and the presentation of the annual Andrew Carnegie Society scholarship awards to the following juniors:

Antoinette Coniglio
College of Fine Arts

Laurie J. Hollick
College of Humanities and Social
Sciences

Jane A. Vaselenak
Carnegie Institute of Technology

Robert E. Stockdale
Mellon Institute of Science

Karen A. Tisinai
Mellon Institute of Science

The society annually presents a \$1,000 award to an outstanding junior in each of the four undergraduate colleges of the university. This year the top contenders from Mellon Institute of Science were equally qualified and the committee decided to split the award between the two. Election results were announced, and Mac Connan (E'39) was introduced as the society's next president. Mac will take office on July 1, 1979.

Obituaries

Charles W. Pitkin (PM'31) died March 14, following surgery. He was a professor of printing management at CMU from 1931 to 1945. During his student days, he worked in job and newspaper printing establishments in order to pay his tuition. Soon after his graduation, he returned to the university where he became a part-time, later full-time, instructor and finally assistant professor in the department of printing. During his fourteen years at CMU, he taught all phases of printing.

In 1945 he left the university to join Doubleday & Co as an engineering consultant. In that capacity, he was responsible for the planning and building of high-speed, forward-looking manufacturing facilities in Hanover, Pa. When the Hanover plant began operation in 1948, he became general manager.

In 1949 he was appointed director of manufacturing, to supervise and coordinate the production of both Country Life Press and Hanover. In 1953, he was appointed vice president of Doubleday. In 1960 he initiated a development program for Doubleday which resulted in a modern book manufacturing facility at Orange,

Virginia. In 1967 he was elected senior vice president. He retired from the firm in 1971.

* * *

Robert N. Osborn (BFA'69; MFA'75) died in Salt Lake City on November 4, of lymphoma. He was 35 years of age. Mr. Osborn taught at the University of California at Hayward and Wright State University in Dayton, Ohio. He was vice president of Electro Controls. Survivors include his wife and a son and daughter, his parents, a sister, and a grandfather. His father, Norman M. Osborn, is a 1948 engineering alumnus.

* * *

H. Milton Reich (E'19) retired vice president in charge of sales of Steel Publications, died January 3. He had been employed by the Pittsburgh-based publishing company for 41 years until his retirement. Prior to joining the firm, he had been employed as a master mechanic for Jones and Laughlin Steel Company. He is survived by his wife, Caroline.

1st Class Session

8:30 a.m. - 10:15 p.m.

- Upon Listening to Contemporary Music
- Gourmet Cooking
- Introduction to Black and White Photography



Upon Listening To Contemporary Music

Some insights into the structure and design of contemporary music (beginning as early as Debussy and culminating with the 1978 Penderecki opera "Paradise Lost") to make your concert and recording listening more understandable. A suggested reading list will be sent upon the receipt of your registration.

Bob Page, head of the department of music, has won two Grammy Awards, the latest for Best Classical Performance Other Than Opera, for the Cleveland Orchestra and Chorus recording of "Carmina Burana." Among his latest works, Bob prepared the Chicago Lyric Opera Chorus for the world premiere of Penderecki's Opera, "Paradise Lost."

- Carnegie Museum
- Duquesne Incline — Mt. Washington
- Fort Pitt Block House and Museum
- Frick Park Gallery
- Hunt Botanical Library
- International Rooms at The University of Pittsburgh
- Kennywood
- Phipps Conservatory
- Pittsburgh Highland Park Zoo
- Sarah Scaife Gallery — near campus
- Schenley Park Golf Course
- Walking Tour of Schenley Park
- Carnegie-Mellon University Athletic Facilities

Summer College participants will be housed in Mudge Graduate House located on Morewood Avenue. Each room has a semi-private bath (shared with one other room). Linen service includes towels, two bed sheets, a blanket, a pillow and pillowcase. Each room is furnished with two single beds. Washers and dryers are available. Note: All participants must live on campus.

COST (includes three meals a day and housing)

- Couples \$465.00
- Single \$265.00

Note: Some courses require an additional lab fee.

A \$50.00 deposit per person is required to register for the Alumni Summer College. Refundable until July 2, 1979, at which time the balance is due.

Gourmet Cooking



George M. Smith, Director of The Classic Cook, Ltd., will demonstrate his skills in the art of fine cooking and will share some of his recipes which include continental dishes.

Prior to opening a full-time cooking school — The Classic Cook, Ltd. in Station Square — George served as a food/wine editor for a Pittsburgh entertainment magazine. His school has been written-up in several magazines and is included in *The Mind Food Catalog* soon to be published. George is negotiating with one of the Pittsburgh TV channels for a weekly cooking program.

A lab fee of \$25 over and above the tuition is required to cover the cost of food used in the course.



Introduction to Black and White Photography

This course will introduce the basics of 35mm black and white photography through an understanding of camera operation, film exposure and darkroom techniques. In addition, there will be short presentations on the aesthetics of the medium. To enroll, a 35mm camera is required as well as a lab fee of \$25.00 per person to cover the cost of photographic paper and chemicals. Film must be supplied by the participants (Tri X 36 exposures is recommended).

Charlee Brodsky is an instructor of photography for the department of design.

Sample Day

7:30 a.m.	—	Breakfast
8:30 — 10:15 a.m.	—	First Class
10:15 — 10:30 a.m.	—	Break
10:30 — 12:15 p.m.	—	Second Class
12:15 — 1:15 p.m.	—	Lunch
1:15 — 6:00 p.m.	—	Planned Activities and/or Free Time
6:00 — 7:00 p.m.	—	Dinner
7:00 —	—	Planned Activities and/or Free Time

Registration is open to all interested alumni, their families and friends. Registration will be on a first-come, first-served basis and is limited. PLEASE REGISTER EARLY!!!

H.E.L.P.

Please note: The Alumni Summer College runs concurrently with the Higher Education Learning Program (H.E.L.P.) sponsored by the Admissions Office. This will be an unique opportunity for both alumni and their children in high school to come back to campus for an enjoyable learning experience.

The one week program is designed to aid high school students in the college and career selection processes. (Primarily for high school juniors, the program is open to any student who is contemplating post high school plans.) Consult the Summer School ad on pages 16 and 17 for complete information.

For further information on any of the 1979 Summer Studies at CMU, please write:

Director, Summer Studies
Admissions Office
Carnegie-Mellon University
5000 Forbes Avenue
Pittsburgh, PA 15213
Phone: (412) 578-2082

2nd Class Session

10:30 a.m. - 12:15 p.m.

- Public Transportation: Myths and Realities
- A Basic Experience in Painting
- Shakespeare In His Time and Ours

Public Transportation — Myths and Realities

This unique group of seminars will be conducted by five outstanding professors who will present an in-depth look at the history, technology and economics of public transit.



Historical Perspectives of Public Transportation

This illustrated lecture focuses upon the impact of successive transportation innovations on the spatial distribution of people and institutions in the 19th-and-20th century city. Innovations discussed are the omnibus, steam railroad, horsecar, cablecar and electric streetcar, the inclined plane, and the automobile and motor truck. Although slides illustrating developments in other cities are included, the main emphasis is upon the development of the city of Pittsburgh.

Joel A. Tarr is professor of history, technology and urban affairs and director of the Program in Technology & Humanities. His main interest is in the city and he has done research in the areas of urban transportation systems, wastewater systems, and air pollution control. He has published widely on these topics as well as on the field of urban politics.

Alumni College

As the time since your graduation from Carnegie-Mellon grows longer, your nostalgic feelings about your college years are likely to grow along with it. For one week this summer, the Alumni Association offers you the opportunity not only to recall the Carnegie-Mellon in your past, but also to sample the elements which continue to make the university a vital institution today. As a student at this year's second annual Alumni Summer College, July 22-28, you'll be free to explore the campus community through workshops conducted by outstanding faculty members. You'll spend mornings in the classroom where limited class size sets the stage for one-to-one dialogues.

July

Places of Interest

Housing

Registration



Current Public Transportation Policies

Chris Hendrickson will apply simple systems analysis techniques to some problems of transit service operation.

Chris Hendrickson is an assistant professor of civil engineering. He received his B.S. and M.S. degrees from Stanford University, and his Ph.D. from M.I.T. Chris also holds an M.A. in economics from Oxford University, which he attended on a Rhodes Scholarship.



Paratransit Alternatives

Car and van pools, taxis, and various dial-a-ride systems provide an alternative to buses, trolleys, subways, and other rail systems. Professor Baumann proposes substitutes, some of which may even cost less than present mass transit systems and provide better service, especially to the elderly and handicapped. He is experimenting with some of these ideas with the People's Cab Company in Pittsburgh.

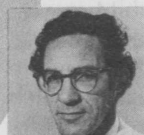
Dwight B. Baumann is an expert on urban transportation and co-director of the Transportation Research Institute. He is also president of People's Cab Company and director of the Center for Entrepreneurial Development.



Is The Energy Crisis Going To Force Changes in Transportation?

It is commonly believed that transportation objectives are heavily dependent upon the energy problem. Professor Angrist, an expert on energy, will discuss energy-related options and their implications for transportation policies.

Stan Angrist is a professor of mechanical engineering and a member of the American Society of Mechanical Engineers. His research interests include energy conversion, thermodynamics, and fuel and energy utilization.



Public Transportation: Fact vs. Fiction

Improvement or expansion of public transportation systems is usually hailed as the panacea for urban transportation. We are told that emphasis on public transportation will reduce congestion, pollution, lives lost, costs, urban sprawl, energy consumption; that it will significantly aid the poor, elderly, handicapped and unemployed. But, is it so?

Martin Wohl joined the faculty as professor of Transportation Systems Planning in September 1972. He had previously served as director of transportation studies for The Urban Institute in Washington, DC and was a faculty member at M.I.T., Harvard and the University of California (Berkeley).



A Basic Experience in Painting

How to use acrylic paints to develop a simplified approach to still life painting, with additional instruction in paint manipulation, color, mixing, preparation of painting, supports, composition, and critical evaluation. A list of materials needed will be sent upon registration.

Harry Holland is associate professor of art. He has completed independent study in England on a James Nelson Raymond Foreign Travel Fellowship Award given by the School of Art Institute of Chicago. Some of Harry's exhibitions have appeared in the Carnegie Institute Museum of Art and the Hewlett Gallery.



Shakespeare In His Time And Ours

This course offers the opportunity to read and discuss three Shakesperian masterpieces, *Henry IV (Part I)*, *Measure for Measure*, and *King Lear*. When the plays were written they seemed to address specific contemporary problems; now the issues they raise — political authority, family loyalty, sexual freedom — look timely to us as well. Students will be sent the plays when their tuition payment is received and should read them before the class meets. Paul Scofield's much-acclaimed film, "King Lear," will be shown in connection with the course. A lab fee of \$3.75 is required to cover the cost of the required books.

Peggy Knapp, an associate professor of English, is the author of a book on John Wycliffe, and articles on other medieval and renaissance subjects, including Shakespeare.

Summer College

Afternoon tours to Jones & Laughlin Pittsburgh Steel Works, Air Traffic Control at Greater Pittsburgh International Airport, and Frank Lloyd Wright's Fallingwater round out the list of scheduled activities, leaving plenty of time for you to get acquainted with Pittsburgh and surrounding areas. Your accommodations at the campus' Mudge House give you easy access to area landmarks and cultural activities.

Your return to the ivy-covered halls can make you a part, once again, of what's really happening inside them. Commented a summer of '78 alumna: "It turned back time for me, touched me at my roots, and opened new horizons..." Plan to spend a part of your summer getting back in touch through Alumni Summer College '79.

22-28

Please enroll the following in the Alumni Summer College. A \$50 deposit per person is enclosed. (We understand the deposit is refundable until July 2, 1979, at which time the balance is due. (Please make checks payable to "CMU ALUMNI." Detach and mail to: Carnegie-Mellon University, Alumni Association, 5000 Forbes Avenue, Pittsburgh, PA 15213.)

NAME _____ (Please Print) CLASS CODE _____

ADDRESS _____ CITY _____ STATE _____ ZIP CODE _____

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(To help us plan content of courses) (Home) (Work)

NAME _____ (Please Print) CLASS CODE _____

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OCCUPATION _____ PHONE () _____ () _____
(To help us plan content of courses) (Home) (Work)

Each participant should initial his/her 1st and 2nd choice from each column —

First Class 8:30 a.m. — 10:15 a.m.		Second Class 10:30 a.m. — 12:15 p.m.		LAB FEES:
1st	2nd	1st	2nd	_____ Shakespeare in His Time and Ours \$3.75
_____	_____ Upon Listening to Contemporary Music	_____	_____ Public Transportation: Myths and Realities	_____ Gourmet Cooking \$25.00
_____	_____ Gourmet Cooking	_____	_____ A Basic Experience in Painting	_____ Introduction to Black and White Photography \$25.00
_____	_____ Introduction to Black and White Photography	_____	_____ Shakespeare in His Time and Ours	
				HOUSING
				_____ Couple — \$465.00
				_____ Single — \$265.00

Inter-Related Courses Part of H&SS Curriculum

Polling the dead may sound like some notorious electoral ruse, but freshmen in the College of Humanities and Social Sciences are doing just that: analyzing the opinions of French citizens which were gathered on the eve of the French Revolution.

How did the peasants feel about the powers of the monarchy? Who was more concerned with questions of human rights: the nobles, clergy, or bourgeoisie? These and similar questions are being asked of freshmen. And the students are expected to find out the answers by consulting primary historical sources.

The project is part of a common first year course, "Origins of the Modern World," designed to give entering students not only an introduction to college-level history but the opportunity to conduct, on a limited scale, their own historical research. "Rather than inundate students with facts and dates, we are trying to teach them the tools historians use in studying the past," explains CMU historian David Miller. "The idea is to develop their abilities to draw inferences from documents to find out what actually happened. Then we expect them to assess the data they've gathered to figure out why things happened the way they did."

In the first half of the course, students work with selected documents illustrating the rise of the modern state from the 9th to the 18th century. Then they apply the skills learned to a whole body of documents previously available only to French-speaking scholars.

In 1789, something akin to a Gallup poll of French society was taken in parishes and towns throughout France as delegates to a national assembly were elected. Separate groups of nobles and common people in each locality prepared *cahiers de doléances* or notebooks of grievances. These lists reflect the concerns and complaints of the citizenry on the eve of one of the key events of modern western history: the French Revolution.

As a first step, the students examine a grievance book compiled by peasants in one parish to find out both the types of complaints expressed and the underlying attitudes of the peasants toward the factors which influenced and controlled their lives. Then the students are expected to employ the analytical skills they've been taught.

At the time the parish assemblies were meeting, a number of "model" *cahiers* were circulating. These sample documents, similar to today's form letters, were written by the bourgeoisie who were in effect suggesting that parishes adopt them as their own. Asking the question "Are peasants dumb?" Miller requires his students to examine a random sample of actual *cahiers* to find out how often the grievances suggested in the model appeared in the documents prepared by local assemblies.

To do this, students make use of a unique historical data base. Over the last 12 years, researchers at the University of Pittsburgh have translated and coded over 100,000 grievances from these notebooks for computer retrieval. CMU Dean of Humanities and Social Sciences John Crecine, along with Miller, Richard Barrett and other CMU faculty have simplified the computer coding into a series of variables and developed a manual so that students can

make use of this historical resource.

"The computer provides a means for students to leap over the barriers posed by language and an immense amount of raw data," Miller explains. "It brings them to the point where the historian has completed his basic research and can start to develop hypotheses," he adds. "It's a cheeky thing, this attempt to get into this kind of depth in a freshman course," Miller says, "but most students are responding enthusiastically."

"Our real goal is to tune up the students' cognitive faculties so they have a systematic way of thinking about the past, or the present. History can impart a set of skills that can be very useful in the real world: how to organize and analyze information."

"One value of this approach is that we are challenging students to think about how historical generalizations are formed, something that most have never thought about before," comments Crecine. "But we think that the project is equally valuable as a means to integrate information from many sources and approaches into their learning experience."

The attempt to integrate knowledge is a prime goal of H&SS's core curriculum, a set of common courses taken by all students in that college. At the same time students are taking the "Origins of the Modern World" history course, they're taking related introductory courses in English and social sciences.

In "Fact and Fiction," the English course, Asst. Prof. Jean Carr uses the *cahiers* as examples of expository writing. "These were written as persuasive documents and they offer opportunities for students to analyze the rhetorical strategies employed," she says. "We also read *A Tale of Two Cities*, Dickens' story set in the French Revolution, and the students are able to compare the complaints from the actual *cahiers* with life as depicted in the novel."

In the "Socialization and Public Opinion" course, freshmen learn the methodology employed in conducting and analyzing public opinion polls. Data from the *cahiers* are used to illustrate the different statistical techniques used in measuring and evaluating survey results. The grievance notebooks are also used to show how public opinion can be formed, swayed, and used to influence governmental policy.

"Even though we are using different approaches in each class, the students are intrigued by the cooperation among their teachers and the fact that we're emphasizing the connection between the three courses," Carr says. "In my course, students particularly like the idea that they're dealing with real people and real complaints."

Dean Crecine believes the inter-related courses help to overcome one drawback of a traditional liberal arts education. "Too often there is a tendency to view an issue or event from the narrow perspective of one discipline," he comments. "Our goal with the core curriculum is to create educated people who realize that different methods, perspectives and disciplines can yield a variety of insights. There is no one single truth, only more or less relevant approaches to understanding a problem."

Bes Kimberly: 53 Years at CMU

Elizabeth Schrader Kimberly is more than a drama professor emerita; she is an institution. During her 53-year association with Carnegie-Mellon she has been a student, faculty member, assistant to the head of the drama department, and special assistant to the vice president for university relations.

Oddly enough Bes is not remembered as much for her professional commitment as she is for her personal commitment. She was instrumental in forming the West Coast Drama Clan, as well as the New York Drama Clan, which grew out of her annual Christmas cocktail party. For the past ten years, since her "first retirement" in 1968, Bes has donated her time as a special liaison between the university and the drama alumni. "I have always believed in CMU," she says after being asked why she still does so much. "People constantly tell me that it's changed, but I don't think so. CMU is the same, but with a slight difference. The drama department teaches the same principles that the founder, Thomas Wood Stevens, established. These principles are upheld in the department today, although they have been re-evaluated through the years."

"Bes is the mortar that keeps us (the drama graduates) bound together," comments James Brayer an alumnus who is now dean of the School of Fine Arts at California State University. "She was always more than just another teacher to the dramats — she was a confidant, a mother, and, most importantly, a friend," says another alumna.

After hearing these descriptions, Bes quietly smiles, responding, "No, I was no one's mother. I was their favorite aunt — always treated with respect, but with a warmth and ease that isn't found in many parent/child relationships."

How did this one woman have such an impact on 40 years-

worth of drama students? "Bes never made moral judgements," begins one alumna. "When someone needed help with anything, personal or professional, Bes was there. She always gave more than she had to."

This feeling is echoed by many drama alumni, as well as college administrators. In a recent issue of the drama newsletter, Dean Akram Midani wrote: "I must express, on behalf of the college, its faculty and students, especially in the drama department, my gratitude to Bes Kimberly for her tireless leadership; but above all, her compassion for the department's welfare and the interest of its members, past and present, and I'm certain, future."

Bes' newsletter began as a few dittoed sheets in 1950. The most recent issue, mailed in January, was a printed booklet with 48 pages. "It's a job to keep track of the dramats — watching them grow. And the ways I hear about them? Some keep in touch by writing, or I see their names in the paper, in *T.V. Guide*, or on TV, or someone will mail a program — and then there's the reviews. They have really enriched my life."

Part of the charm of Bes Kimberly is her wry sense of humor. Every drama student has a favorite story, like the time an irate mother stormed into Bes' office to complain that her daughter did not get home until 2 a.m. because of crew. "How did she get home at 2 a.m.?" exclaimed Bes. "The rest of us were here until 4."

As for Bes' future plans, she says she has plenty to keep her busy now. "However, I did go to the doctor's a few weeks ago, and he says that if I'm not careful . . ." she pauses momentarily, "I'll live to be 100." Bes smiles and then laughs. "That might a mixed blessing."

— Susan Case

Theatre Company Starts Fourth Season

If you haven't already done so, now is the time to get in your order for subscriptions to the Carnegie-Mellon Theatre Company.

The university's professional theatre begins its fourth season in mid-June under the guidance of a new artistic director and faculty member, Gregory Lehane (A'78). The six week season features three full scale mainstage productions and the introduction of a new, innovative, experimental theatre, STAGE 2, where two workshop productions will be presented.

The Price, Arthur Miller's deeply moving, passionate drama leads off the mainstage season with a two week run opening on June 18. Hailed by N.Y. Times critic Clive Barnes as "one of the most engrossing and entertaining plays that Miller has ever written," *The Price* — with compassion, humor, and rare insight — examines the relationship of two estranged brothers who meet after many years to dispose of their late father's belongings.

The intricately plotted suspense thriller, *Sleuth*, is next on the mainstage bill, opening July 2. Winner of the Drama Critics Circle Best Play Award, *Sleuth* takes place in the cozy English country home of a famous mystery writer where bizarre events quickly unfold. Ingenious skulduggery, sharply honed dialogue, and inventive twists have made this razzle-dazzle whodunit a modern day classic.

Moliere's classic comedy *The Miser*, with a world premiere of a new translation by David Ball, wraps up the mainstage season with a July 18 debut. The French comic master takes miserly behavior to hilariously ridiculous extremes as a father's all-consuming foible is exploited by his scheming children.

STAGE 2 takes over CMU's studio theatre this summer. First on the bill are three one act plays by Sam Shepard: *Killer's Head*, *Cowboy's #2*, and *The Holy Ghostly* running from June 18 to June 30. Two one act plays by Edward Albee, *Counting the Ways* and *Listening* run from July 2 through 14 to complete the STAGE 2 season.

CMTCC's resident acting company includes drama faculty members James Baffico, Elisabeth Orion, and Michael Pierce, who, along with Lehane, appeared in last season's productions. Recent drama grads Les Ferreira (A'78) and Scott Cummings (A'78) are the managing director and business manager of the re-organized company, while drama faculty members Barbara Anderson and Frederic Youens return as costume designer and technical director. Kevin Rupnick (A'78) is scenic designer.

Personal Mention

Following up on our recent story about Herb Simon's Nobel Prize, we are grateful to *Focus*, the CMU faculty/staff newspaper, for the following:

The letter from The Library of the Royal Swedish Academy of Sciences dated December 14, 1978 reads: "We have learnt that Mrs. Simon had a conversation with the Nobel Foundation as to LES-PRIX NOBEL . . . We have the pleasure to send the whole set, i.e., the years 1901-1977, except 1937 and 1938 which are out of print. Further volumes will be sent when published."

Les Prix Nobel is not only an award, it is also the title of a series of books published by the Nobel Foundation. The volumes include the autobiographies, portraits, and acceptance speeches of the laureates, as well as information about the selection committees and the presentation ceremonies.

Dorothea Simon talked about how the books came to the Hunt Library. "Herbert wanted to look at former speeches to see about the proper format. I made some phone calls to university and city libraries, but they didn't have any copies of the Academy proceedings from recent years. We finally had to get the 1977 edition from Sweden. At one of our dinner parties in Stockholm, I mentioned the fact that there were no complete sets of *Les Prix Nobel* in Pittsburgh. Whoever relayed my comment to the Academy Library was certainly efficient. We left Sweden on December 15th and the letter was forwarded to us sometime after we returned." The 74 volumes are catalogued and on the shelves of the second floor in the Hunt Library. The row of white bindings contains a unique record of the outstanding intellectual achievements which have been recognized in our century — an international honor roll of men and women and their singular accomplishments.

While rummaging through some old CMU alumni magazines, **William A. Roberts** (E'37), executive vice president of Phillips Petroleum Company, came across a 1954 article about offshore drilling for oil and natural gas in Lake Erie. The article was about Fenton H. Finn (E'28), then president of New York State Natural Gas Corporation of Pittsburgh. By way of contrast, Roberts notes that Phillips' massive production, processing and transportation complex in the Norwegian North Sea averages over 350,000 barrels of oil and 910 million cubic feet of natural gas each day — enough energy to meet the needs of a city of 1,100,000 people. "The tremendous progress which the petroleum industry has

made is due greatly to the engineers and scientists who were educated at outstanding universities such as Carnegie-Mellon" says Roberts. "I am proud to be a member of the petroleum industry and proud of my alma mater."

* * *

William Putch (A'49), director/producer of the Totem Pole Playhouse, Caledonia State Park, Fayetteville, Pa., last year established a scholarship to be presented annually to a student in CMU's drama department. The award is given to the most promising actress or actor in the junior class and consists of a cash prize of \$750 and a medallion and certificate.

Bill presented the first award in April, 1978, in the Kresge Theatre to Laurie Klafter. The award was given in honor of the late Maryann Benedict Hall (A'53) who played many roles at the Totem Pole Playhouse. This past April, Bill presented the second award to Deborah Ann Shea in honor of the late Nancy Wickwire (A'48).

Bill is now in his 26th season as director of the Totem Pole Playhouse.

* * *

Anton Long, son of Haniel Long, prominent author and member of the English department from 1910-1929, is offering a free "List of Available Books by Haniel Long." Write: Anton Long, RD 1, Box 203, Naples, N.Y. 14512.

* * *

In August 1942, **John L. Elliott** (E'10), became executive secretary of the Alumni Federation. John served in this capacity until his retirement in 1958. At his side during those years was his wife Marie who became well-known to alumni. Together they visited with alumni throughout the country and brought new spirit to the alumni-university relationship.

On the evening of March 17, 1979, **Marie Elliott** passed away at the Nashville Health Care Center not far from their home. Marie's friendliness, enthusiasm, and zest for life were as much admired as her husband's contribution to the organization of alumni affairs. Marie is survived by her husband, John, a niece, Mrs. Luella Page, and a nephew, Robert E. Allison.

John Elliott's address is: Park Manor, Apt. 622, 115 Woodmont Blvd., Nashville, Tenn. 37205.

* * *

The March-April issue of *Harvard Magazine*

had the following story that involves *Irving Bartlett*, CMU professor of History.

Everyone wrote to Wendell Phillips. During his lifetime (1811-1884) the Boston-born abolitionist and champion of women's rights heard from Charles Sumner, William Lloyd Garrison, Ralph Waldo Emerson, Susan B. Anthony, Lucy Stone, several British reformers, and a fair number of fugitive slaves — but no historian had ever seen the bulk of this correspondence. For the vast majority of letters, plus a box of papers relating to the career of Phillips' father, John, the first mayor of Boston, lay sealed in a wooden crate passed down through the family until it reached the Tuxedo Park, New York, home of Crawford Blagden, Phillips' great-great-nephew.

Inherited along with silver, furniture, and paintings from a bachelor uncle, the crate was forgotten in a basement corner for more than thirty years. Blagden pried it open upon rediscovering it early in 1977, and recalls that as soon as he "dipped in," he found letters to Wendell Phillips among the topmost papers. Seeking expert advice, he wrote of the letters to the publisher of *Wendell Phillips, Brahmin Radical* (Beacon, 1961), who forwarded his note to the book's author, **Irving Bartlett**, professor of history at Carnegie-Mellon University.

"How many letters do you have?" Bartlett remembers asking Blagden over the telephone. "I expected him to say four or five, but his reply was, 'Oh, I guess there are a few thousand, all told.'"

Bartlett flew to Tuxedo Park, where Blagden led him down to a dirt-floor cellar in the estate and showed him the nine-cubic-foot box stuffed with original documents.

"He and I got out a few baskets of the material and set up a card table to sort through it," Blagden recounts. "Professor Bartlett got quite excited. He was obviously more knowledgeable about it all than I was, and I liked him, so I turned the whole damned thing over to him."

Bartlett rented a car for his return trip to Pittsburgh, signed a simple receipt accepting custody of the papers, and loaded the trunk with the Phillips manuscripts.

"Of course, you read about finds like this," he says, "about collections this large and significant, going back this far. But you never think you'll see one first-hand." Within the next few months, the two men decided that the best course of action would be to give the materials to Harvard, where Wendell Phillips had received his undergraduate and law-school education, where one of the largest collections of abolitionist papers already existed, where Blagden had attended college, and where Bartlett is now spending a sabbatical as a research fellow in the Charles Warren Center for Studies in American History.

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Spend two fabulous weeks vacationing in three magnificent countries. An event that will create a lifetime of memories. Join your fellow CMU alumni in Austria, Switzerland and Germany, the most beautiful and interesting countries in the world.

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Features include all of the above plus:

- Two nights in San Francisco at the Holiday Inn Gateway
- Two nights in Las Vegas at the Tiffany Towers of the Tropicana Hotel.
- Host escorts in San Francisco and Las Vegas at your service for optional tours.

For detailed information contact the Alumni Association, CMU, 5000 Forbes Avenue, Pittsburgh, Pa. 15213 or phone (412) 578-2060.

Clan News

THE CLEVELAND CLAN held a dinner at W.R.H.S. Auto Museum on April 4, with 127 in attendance. The officers and members wish to thank Lindsay Morgenthaler and Mrs. Bev Duncan (our new vice president) Bob McCurdy, and others from Cleveland and Pittsburgh for their exceptional aid and interest.

Our meetings are at noon, the second Friday of each month, at the Cleveland Engineering Club at the lower level, except in July and August. If you attend you will be welcomed, if you don't you are missed. If you want a reminder, phone Bob DeMerit 261-4068.

* * *

The SEATTLE CLAN played host to Linda Schorr, director of alumni relations and Bob McCurdy, associate director of development, at its meeting on March 26. Linda brought everyone up-to-date on campus life through a slide presentation and informal discussion. Light refreshments were served following the program. The Seattle Clan, CMU's newest, is in full swing and invites all area alumni to participate. For more information contact Frank Risch (206) 453-4300 or John Scott (206) 624-7798.

* * *

THE ST. LOUIS CLAN attended a Chinese dinner meeting on February 23 at the Lantern House Restaurant where a delicious and authentic Chinese dinner was served. About 40 members were there. Ellen and Ed Tenney, dressed in Chinese garb, presented an "Introduction to the New China" using a fine selection of slides and giving a narrative account of their recent trip to China. The Tenneys traveled with a group of 24 people from the St. Louis Council on World Affairs, one of the first groups to tour China last year. Their trip included visits to cities from Canton to Peking, schools, factories, hospitals, rural areas, resort areas, palaces of the Emperors and the Great Wall of China.

Fifty members and guests also enjoyed a dinner on April 3rd at Schneithorst's Hofamburg Inn, which marked the kick-off of their Investments in Progress Campaign. Neil Galluzzo, chairman of the campaign in St. Louis, announced that the clan had already reached the halfway mark toward its goal of \$25,000 with the help of the Advance Gifts Committee whose chairman is John Depp. By April 7, the total had reached \$19,000. There are 18 volunteers working on the campaign, who sincerely believe in maintaining the excellence of Carnegie-Mellon through Investments in Progress.

* * *

THE PITTSBURGH MEN'S LUNCHEON CLAN had their spring luncheon with Dr. Henry J. Gailliot, class of 1964, as speaker. His topic was "The Upcoming Recession and the Stock Market." The luncheon was held at the Pittsburgh Press Club on April 23.

* * *

The LOS ANGELES CLAN was very active during the past school year. Twenty-seven alumni and guests attended a production of "Pajama Game" and dinner at the Harlequin Playhouse on December 3. On January 18, 25 alumni were entertained and brought up-to-date on current student life at CMU by Lisa deSandes and Mike Marinangeli, members of the Student-Alumni Relations Council (SARC). Upcoming events include a San Sylmar tour and the Laguna Festival of the Masters.

I Could Be Mute

The Life and Work of Former CMU Faculty Member Gladys Schmitt

The Carnegie-Mellon University Press has recently issued the first serious volume of criticism about the works of the noted Pittsburgh writer Gladys Schmitt. Actually, the volume has been published in three formats: as number one in the New Series of the Carnegie Series in English; in paperback; and in hardback. Such recognition for a gifted writer has been too long in coming. The volume has been edited by Anita Brostoff, and she also contributes one of its finest essays.

I Could Be Mute begins, appropriately, with two memoirs about Gladys, one by Betty Schmitt Culley, the niece and later adopted daughter of Gladys and Simon Goldfield, and one by Sarah Strauss, Gladys' lifelong close friend. Elizabeth Culley sets a very high standard for the essays which follow. Her memories evoke very sharply the early years of the writer, when poverty was ever-present and when Gladys was beginning to find her way as an artist. The Schmitts lived together in a large family group and Betty writes, "She seemed more alert, more intense than any of us." Her young niece sensed that her tall, shy aunt was "glamorous, irreverent, opinionated and verbal" — a judgment which fits neatly for those of us who knew Gladys in her later maturity. And Betty sounds a note which echoes through the succeeding nine articles: "She did expect loyalty and searing intimacy from her friends." Betty's perceptions, especially about the relationship between Gladys and her father, are memorable.

Sarah Strauss' essay is more modest, but it is equally perceptive and touching. Her friendship with Gladys lasted from grammar school until the death of the writer in 1972. There were periods when they were not physically close, when Mrs. Strauss was raising her own family, while Gladys was building her world of writing and absorbed in her teaching at Carnegie Tech. Sara Strauss rightly recognizes the important part that such teaching and innovative course construction played in Gladys' life. And she is wise when she writes, "Gladys felt too much — too much delight, and on the other hand too much suffering."

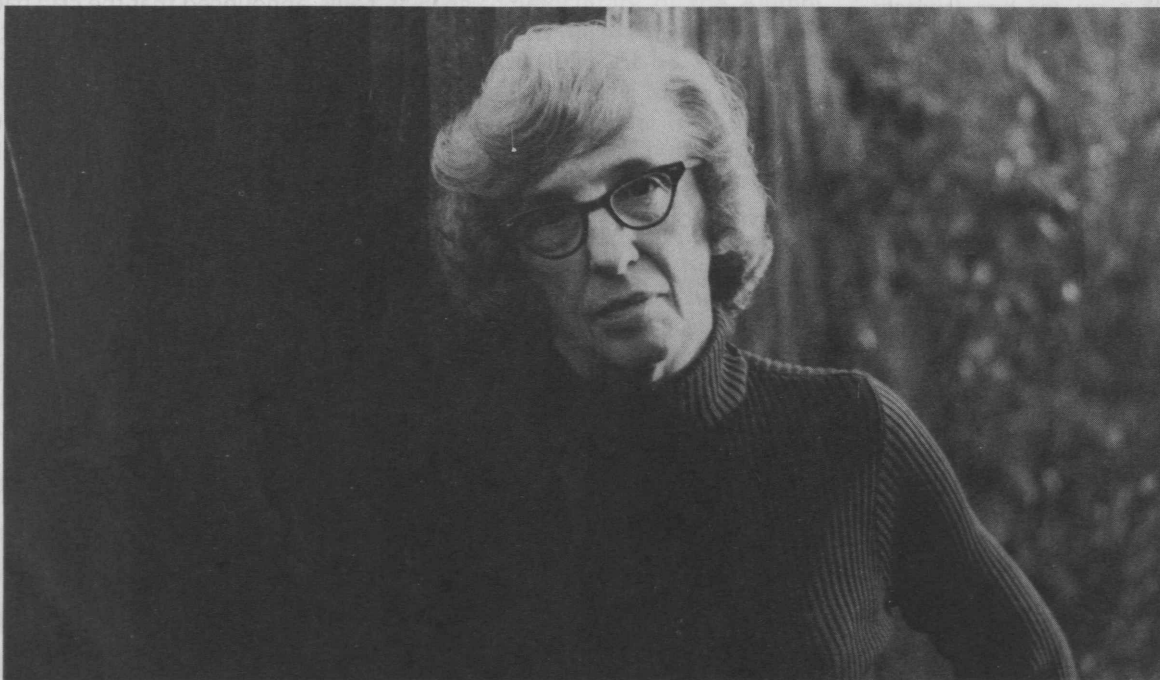
Peggy Knapp's essay, "A Sense of Self: the Early Writing," wonderfully captures the promise of Gladys' early poems and short

stories, their range and power, and their prefiguring of the later work, most especially her final novel, *The Godforgotten*. Professor Knapp sums up Gladys' rage for order and honesty as an artist perfectly when she writes, "The struggle for a hard-edged sense of herself made her impatient with the messy, shapeless, undogmatic present and receptive to the formality and stern faith of older art." And, balancing neatly the rather overstressed concern in this volume for Gladys' depressions and mental struggles, Peggy Knapp writes, "She was not incapable of appreciating the daily joys — I think they were at least as deep a need for her as the expansive, definitive ones she was always seeking in fiction."

Lois Fowler undertakes a difficult job in her speculative essay, "The Marriage." Especially after the posthumous publication of *Sonnets for an Analyst* in 1973, it is hard to ignore the personal struggles within the marriage of Gladys and Simon. But Gladys was always frank about sensual/sexual matters, and Professor Fowler became close to Gladys very rapidly. Given her own innate sympathies and powers of understanding, her portrait of the marriage is probably fair.

Dorothy Rosenberg, an actress and artist, writes perceptively and succinctly about Gladys' stitchery. That was Gladys' name for it, but by the end of her life she had created much more than pillows, tablecloths and wall hangings — she had become a gifted designer, a colorist, and a maker of myth in the illuminated alphabet which she created. It is very right to stress the release and private joy that the stitchery gave Gladys, but it is equally right to understand with what joy she gave that work to her friends.

Jan Cohn rightly begins her essay on the three great novels set back in time — *David the King*, *Confessors of the Name*, and *Rembrandt* — with a sense of what the "historical novel" has become in our time. Gladys was trying for — and achieving — something much more complex and deep, for "Gladys Schmitt had neither a swashbuckling imagination nor a sentimental intellect." And yet, except for a few perceptive critics, she could not escape the label. She created absorbing works of philosophical significance, and of her style Prof. Cohn aptly observes, "It appears as



Gladys Schmitt

though the very fineness of the language was a defense against the more popular and sensational qualities of the [traditional] historical novel."

Editor Brostoff contributes a thoughtful essay, "Five Heroines: A Persistent Image." She sees, from first to last and especially in these five heroines, a consistent portrait of a woman: unfulfilled, unglamorous, unsure of herself. The women differ widely in exterior ways, and the essay strains a bit for consistency, but in effect these five women are very alike and do represent a recurring image. Of the heroine in Gladys' last novel, *The Godforgotten*, Anita Brostoff perceptively writes, "Furthermore, in this novel Schmitt synthesizes, better than ever before, knowledge of her character and theme with knowledge of her craft."

Fate has preserved a tape of the last session of a graduate writing class which Gladys Schmitt taught in 1972. One of the students from that class, Dr. Barbara Beyer, has edited that tape and introduced the text with a charming and honest portrait of the Gladys she knew, just half a year before the writer died. Since it was a summing-up class session, it turns out to be more a lecture than a discussion, but the text is full of richness — the kind Gladys brought to her every class — and reflects the sweep of her knowledge of life and literature, along with the down-to-earth suggestions she could make to young writers.

In one of the most intellectually challenging assignments of this volume, Dr. Lois Lamdin gets at the heart of a heartwrenching book, *Sonnets for an Analyst*. Lamdin skillfully moves from the inner struggles which the sonnets reveal to the beauty and depth of their subject matter. Here, as earlier, "form was a bulwark against threatening chaos." Gladys did lead a "compulsively ordered existence," and though she pretended embarrassment for the choice of the old-fashioned sonnet form, both in life and art she felt the need for "manageable segments." Few writers of our time have uttered such a cry from the heart, and Lamdin deals with it masterfully.

I am sorry for one inclusion, and regret one absence. Pamela McCorduck is a bright and intelligent writer. As the one essayist who did not know Gladys Schmitt she had a golden opportunity to read the works and judge them objectively. She chooses, instead, to bring her own feminist stance to bear both on Gladys and her work. Not finding such a stance there, she chooses to pity Gladys and be angry at the world which "forced" her to be this way. This reading of Gladys and two of her novels is presumptuous, to say the least — a superimposing of "modern" modes on two works of fiction set in other eras.

What is sadly missing — and will be missed especially by Fine Arts alumni — is any extended comment on the bulk of Gladys' teaching career. For thirty years her world was divided in three ways — the writing and Simon, her undergraduate teaching, and her beloved friends. Almost singlehandedly, she created a two-semester freshman English course called "Thought and Expression," and all those who were touched by it will never forget. It was designed to help arts students with thinking, with writing, with oral expression, and with a final research project of their own choosing.

In short, Gladys Schmitt was also a curriculum builder of extraordinary imagination and power. Editor Brostoff is aware of this gap, but the gap remains.

This is a challenging volume, both for those who knew Gladys Schmitt and for those who know her only through her work.

— Beekman W. Cottrell

Prof. John Pekruhn Donates Rare Books

John Pekruhn, professor of architecture, has given the Hunt Library's Fine and Rare Book Rooms more than 400 volumes in memory of Donald M. Goodfellow, Professor of English at CMU from 1929 until his death in 1970.

Most of the books are first editions of 19th and 20th century American literature, including authors Louisa May Alcott, Stephen Vincent Benet, Ralph Waldo Emerson, Hamlin Garland, Bret Harte, Nathaniel Hawthorne, Oliver Wendell Holmes, William Dean Howells, Henry James, Henry Wadsworth Longfellow, Amy Lowell, Edna St. Vincent Millay, Christopher Morley, Mary Roberts Rinehart, Edwin Arlington Robinson, Harriet Beecher Stowe, Booth Tarkington, Sara Teasdale, Henry D. Thoreau, Mark Twain, Edith Wharton and John Greenleaf Whittier. Of particular interest are: Alcott's *Little Women* (1868) first edition, first issue, with a three-page letter by the author tipped in and her *Life, Letters, and Journals* (1889) with a four line inscription by the author beneath her portrait; the first edition, first issue of Hawthorne's *The Scarlet Letter* (sold out within 10 days of publication in March 1850); Amy Lowell's *Ballads for Sale* (1927) with a typed letter from the author laid in; the first editions autographed by Edwin Arlington Robinson, Stephen Vincent Benet, James Branch Cabell, Oliver Wendell Holmes, Sara Teasdale, and Agnes Repplier.

In December, 1978 Pekruhn gave the Fine and Rare Book Rooms his Willa Cather collection of 43 books and 2 periodicals. The two copies of *My Antonia* (1918) have the Benda illustrations, one on regular paper, the other on coated paper. Laid in *April Twilights* (1903) is a letter from Cornelius Scully, Mayor of Pittsburgh, concerning Willa Cather, then a teacher on the North Side.

Pekruhn will live in Spruce Creek, Pa. after his retirement on June 30. He was a friend and colleague of Goodfellow who taught courses on many of the authors represented in the collection. Goodfellow was preparing a seminar on Mark Twain and Henry James at the time of his death in August, 1970.

An exhibition of the books will be on view in the Fine and Rare Book Rooms from July until the end of October, 1979.

— Anne Skoog

Homecoming 1979

Reunions for Classes Ending in
4's and 9's

October
12, 13, 14

Continuing a Tradition Begun in 1915

The 1979 Beaux Arts Ball

The 1979 Beaux Arts Ball. Say these words to anyone who attended and a curious thing happens: the eyes glaze over, a foolish grin appears, and a string of adjectives flows forth: fantastic, incredible, bigger-than-life, unbelievable. No one word seems to say enough.



24

Perhaps the ball, held March 3 in the College of Fine Arts, can best be described as "organized decadence." Organized it was, as must be an extravaganza held in all of a three-story building from ten o'clock at night to six o'clock the next morning. Planning began exactly one year before, with a meeting on March 3, 1978. The Beaux Arts Steering Committee, made up of Fine Arts students Dan Garber, Rob Cassetti, John Ford, and Q. Eddy, took on the awesome task of overseeing every aspect of the affair, from interior design, entertainment, food, and drinks; to publicity, finances, ticket sales, security, and clean-up. About 75 Fine Arts students participated in the ball's planning and execution.

The ball was entirely paid for by the tickets purchased by the participants.

Over 1300 people, including more than 100 alumni, donned costumes reflecting the ball's theme — Black and White or Opposites — and with their first step into the Fine Arts Building embarked on a night of fantastic pageantry and revelry. No amount of pre-ball coverage in the campus newspapers could have prepared partygoers for the sensual onslaught: disco music playing nearly non-stop at one end of the main hall. Jugglers and stage fighters performing on a platform set up in the main lobby; the CMU Jazz Ensemble, Jack Purcell (A'41) and his orchestra, punk

rockers, and music department faculty performing throughout the evening in Alumni Concert Hall. Mimes wandered among the crowds. Classical music lovers listened in the Faculty Lounge to duos, trios, quartets, and quintets. Fifteen thousand black and white balloons festooned the ceiling, and black and white banners hung over the entire first floor. Even the garbage cans were "Beaux Arts," painted black and white with contrasting black and white circles.

First prize for best costume went to assistant professor of architecture Frank Adkins (A'71) and his group of alumni friends, dressed as life-size chess pieces. Other memorable characters included Carmen Miranda; in a black and white fruit headpiece; a passel of black ants pursued by exterminators in white overalls; Edward Gorey; and the cast of *Swan Lake*.

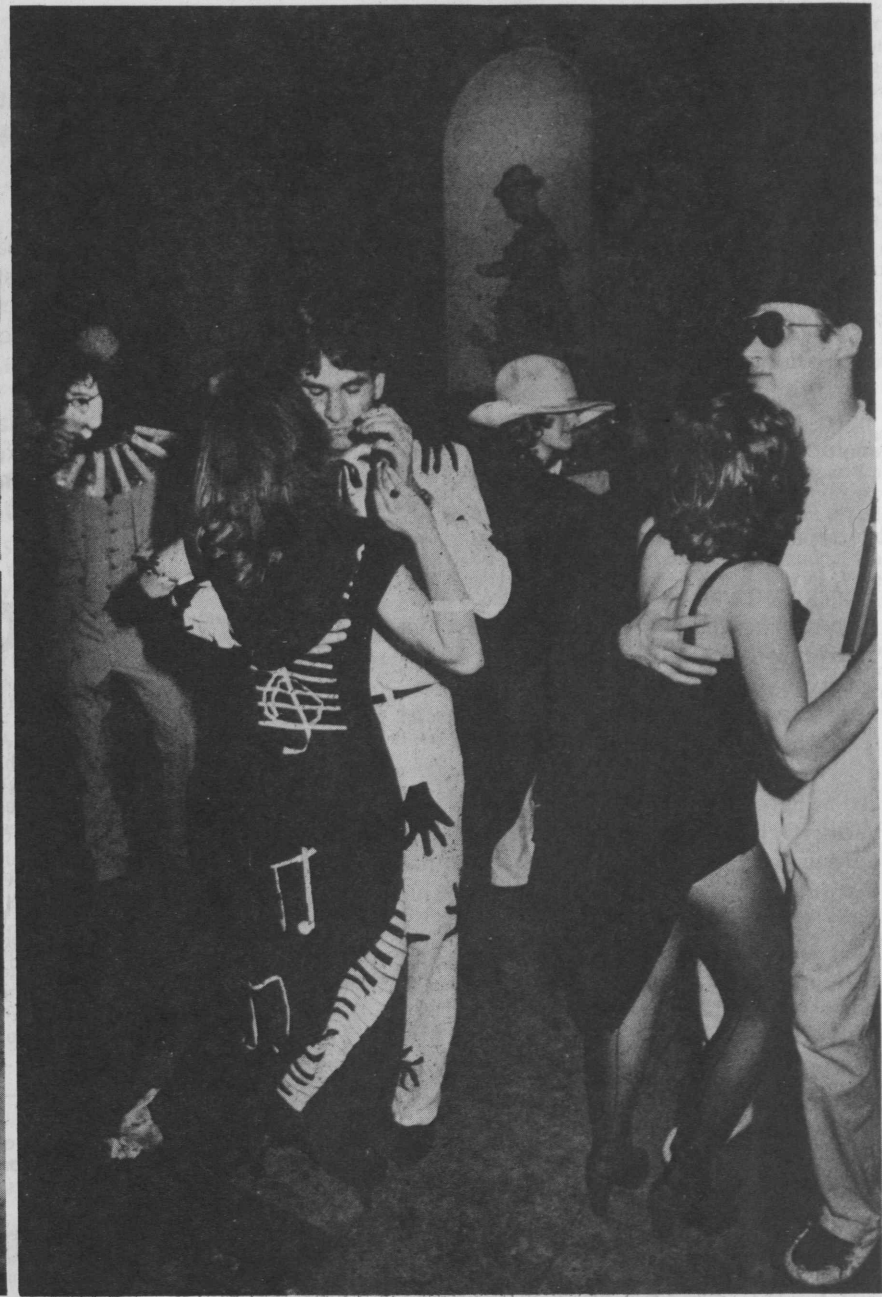
This unlikely assortment of characters and hundreds of others spent eight spectacular hours enjoying a CMU tradition begun in 1915 by architect Henry Hornbostel. Hornbostel evidently enjoyed the yearly revels at *L'Ecole des Beaux Arts* in Paris, where he had studied, and wisely decided to bring the grand tradition to CMU.

Alumni were well represented at the ball. In addition to the hundred or so that returned to CMU for the festivities, brothers of SAE graciously helped keep the partygoers free from thirst.

Those who passed-up attending what Greg Ross, assistant dean of Fine Arts modestly called "a departure from the everyday norm" can take heart: the ball was so successful and so well received that the College of Fine Arts is considering reviving the tradition and holding a ball every two years. As soon as the word gets out about the next ball's theme, start planning your costume.

— Sherry Siegel





1.9.7.9

B A E R A T U S X

10:00 Jazz Ensemble	10:00 Woodwind Trio	12:30 String Quartet	10:00 Nat Pitch
11:00 Cabaret	10:30 Harp Recital	1:00 Brass Quintet	11:00 Ooga Booga
12:00 Jack Purcell	11:00 Woodwind Quintet	1:40 Flute & Guitar	11:30 Pacific Rep
2:00 Shakes & Impalers	11:30 Conservatory Trio	2:00 Piano	1:30
3:00 Iron City	12:00 Jazz Vocalist	3:00 Cabaret	
Houserockers	12:30 Horn Trio	3:30 Gene Corbin	

CONCERT HALL
FACULTY LOUNGE
N. LANDI



Recent Books by Alumni and Faculty

David Miller, **Queen's Rebels: Ulster Loyalism in Historical Perspective** (Gill and MacMillan).

"The real value of David Miller's incisive study of the 'peculiarities' of Ulster Protestants lies in its convincing attempt to explain the often ironic, contradictory position they seem to display to a hostile or uncomprehending outside world . . . Without being a zealous partisan, Professor Miller comes closer to an understanding of the complex roots of Ulster Unionism than most historians." (The Economist, London)

Miller is an associate professor in the department of history.

Patrick D. Larkey, **Evaluating Public Programs: The Impact of General Revenue Sharing on Municipalities** (Princeton University Press).

Larkey is associate head of CMU's social science department.

Lee S. Sproull, Stephen Weiner, and David Wolf, **Organizing an Anarchy: Belief, Bureaucracy, and Politics in the National Institute of Education** (University of Chicago Press).

Sproull is an assistant professor in the department of social science.

John V. Brindle and James J. White, **Reflections from the Third Day, Photographic Revelations of Plant Design** (Hunt Institute, Carnegie-Mellon University).

The catalogue of an exhibition of plant photographs held in the Penthouse of the Hunt Library during fall and winter 1978. Included are 65 works by 25 well-known photographers such as Ansel Adams, Imogen Cunningham, Andreas Feininger, Paul Strand, Edward Steichen, Jerry Uelsmann, Brett Weston, and Edward Weston. The exhibition was conceived to show the range and variety of forms, structures, patterns and textures to be found in the plant world.

Brindle is curator of art and White is assistant curator of art at the Hunt Institute.

Erwin R. Steinberg (Ed.), **The Stream-of-Consciousness Technique in the Modern Novel** (Kennikat Press).

Steinberg is a professor of English and interdisciplinary studies at CMU.

Patricia Branca, **Women in Europe Since 1750** (Croom & Helm).

Branca is an assistant professor in the history department.

Peter N. Stearns, **The Rise of Modern Women** (Forum).

Stearns is Heinz Professor of History at CMU and editor of the *Journal of Social History*.

Peter N. Stearns, **Paths to Authority: The Middle Class & The Industrial Labor Force in France, 1820-48** (University of Illinois).

Russell Revlin (IA'71) and Richard E. Mayer (Eds.) **Human Reasoning** (Winston).

Revlin is an assistant professor of psychology at the University of California, Santa Barbara.

Monroe M. Leftkowitz, Leonard D. Eron, Leopold O. Walder, and L. Rowell Huesmann (IA'69), **Growing Up to Be Violent: A Longitudinal Study of the Development**

of Aggression (Pergamon Press).

Huesmann is associate professor of psychology and computer science at the University of Illinois at Chicago Circle. His research interests are artificial intelligence and quantitative methods.

Mary Forman Rice (MM'45) and Charles H. Flatter, **Help Me Learn: A handbook for teaching young children from birth to third grade** (Prentice-Hall).

Shows how to create a stimulating environment that will provide children with a wealth of learning experiences.

Class Notes

'26

Mrs. Oscar A. Benning (PRISCILLA EVANS, A), of Erie, Pa., wrote to us recently to tell us that her husband had died in March 1978. She noted that he had attended many class reunions with her and would be remembered by friends and classmates.

'28

Ransom & Casazza, Inc., a new energy consulting firm in Washington, D.C., has acquired the business of R.A. Ransom Co., Inc. R.A. RANSOM (E), formerly a consultant and director, will continue with the new company.

Homecoming for the Class of 1929 October 12, 13, 14

'29

CALEB HORNBOSTEL (A), a member of the faculty at Temple University, is author of *Construction Materials Types, Uses and Applications*, recently published by John Wiley & Sons.

FRANKLIN O. FINGLES (E) has retired as university registrar emeritus from the University of Connecticut, Storrs, Conn. The Fingles reside in Venice, Florida.

'31

GEORGE A. STUART (A) is celebrating his 25th year at the Knott's Berry Farm's Birdcage Theatre, Buena Park, Calif., as producer and director. To commemorate the quarter century he revived Dion Boucicault's "The Streets of New York," the first melodrama which he staged there in 1954.

'32

ALBERT J. ROSENBERG (E), of Larchmont, N.Y., is teaching in Senior Citizens Programs and doing education consulting in the audio visual field.

Homecoming for the Class of 1934 October 12, 13, 14

'34

E. FRANCES CARNANAN CHAPMAN (M) has retired from the teaching of office administration at Ferris State College, Big Rapids, Michigan. At Ferris she had been director of the Distinguished Business Lecture Series for the School of Business and chairperson of the speakers' committee for the Academic Honors Convocation Committee. She was president of the Big Rapids Council of the Michigan State Congress of Parents and Teachers.

'35

JOHN NAGY (S), a physical scientist in the Mine Safety and Health Administration, retired in January. Mr. Nagy received a gold medal and distinguished service award from the Department of the Interior for his work as an expert technical advisor representing the Mining Safety and Health Administration in court

hearings, and for serving before the Secretary Advisory Committee for Promulgation of Standards. The Nagys reside in Library, Pa.

'36

DAVID H.W. FISHER (E) has been promoted to executive vice president of Dixie Industries Inc., Chattanooga, Tenn. He has been with the firm for eight years.

'37

JOSEPH FOLIO (E) retired from the Army in 1968. He is now consulting and representing an engineering firm in Washington, D.C. His home is in West Chester, Pa. BRINTON TURKLE (A) had a collection of original illustrations exhibited in the Little Art Gallery of the North Canton (Ohio) Library this past winter.

'38

CHARLES R. McCANDLESS (A) has retired as instrumental music instructor for the Flint (Michigan) school system. He formerly taught in New York City, Connecticut and Virginia schools. He was an Army bandmaster during World War II. Up to 1949 he played trumpet in the Pittsburgh area, at KDKA, the Nixon Theatre, and in the Pittsburgh Opera. His home is in Reading, Pa.

FRANK L. COMPERDA (A) recently completed his one-year term as president of Pittsburgh's 15th Ward Chamber of Commerce.

FREDERICK MOSTELLER (S) has been elected president of the American Association for the Advancement of Science. In 1977 he was named Roger I. Lee Professor in the Harvard School of Public Health and chairman of its department of biostatistics. He has an honorary D.Sc. from Carnegie-Mellon.

Homecoming for the Class of 1939 October 12, 13, 14

'41

The Herbert A. Searles (JANE RITENBAUGH, M) moved to Lighthouse Pt., Florida, after Dr. Searle retired from Shippensburg (Pa.) State College in 1978.

'42

PEGGY YOUNG KRIDER (A), assistant professor in the department of humanities at Villa Maria College, Erie, Pa., had a one-woman show in the gallery at Gannon Resource Learning Center in Erie during March.

FAUST P. D'AMBROSI (E) retired from Union Carbide Corp., New York, N.Y. Mr. and Mrs. D'Ambrosi reside in Raleigh, North Carolina.

WILLIAM K. McALEER (E), president of Loftus Associates Inc., Pittsburgh, has been elected to the additional posts of chairman and chief executive officer.

JUNE KIRKPATRICK CIANCIO (A) had an exhibit of watercolors and acrylics at the East Islip Public Library, Brentwood, N.Y., in February. Ms. Ciano resides in Hampton Bays, N.Y.

'43

JEROME N. SCHIFF (PM) is president of Acme Service Company, a printing and mailing company in Pittsburgh.

THEODORE A. BURTIS (A), chairman and chief executive officer of the Sun Company, Inc., Radnor, Pa., received this year's AIChE Division Award for making substantial contributions to the technology and advancement of the hydrocarbon processing industry. Mr. Burtis received the award at the Fuels and Petrochemicals Division annual awards luncheon in April in Houston. He is a Fellow and a former president of the AIChE.

Homecoming for the Class of 1944

October 12, 13, 14

'44

Dr. HOWARD W. ETZEL (S) has retired from government service with the National Science Foundation and has been appointed visiting professor of electrical engineering at North Carolina State University, Raleigh. Dr. and Mrs. Etzel (MARTHA JONES, R) reside in Cary, N.C.

The Rev. DON H. GROSS (S) was a speaker at a workshop on "Inner Healing of the Whole Person" at St. Vincent Seminary in Latrobe, Pa. in March. Rev. Gross is vicar of the Church of Our Savior in Glenshaw, Pa.

VIVIAN D. HEWITT (L), president of the International Special Libraries Association, was a guest speaker at the graduate library schools at Atlanta (Ga.) University and Emory University this past fall. She is librarian for the Carnegie Endowment for International Peace in New York City.

'46

H.O. (Jake) JACOBI (E), manager of Turbo Compressor Products Engineering at Dresser Clark Division, Dresser Industries Inc., Olean, N.Y., received a Creativity Award at the third annual Dresser Engineering and Technical Conference in Dallas in January. Mr. Jacobi received a gold medal and plaque, highest award given by Dresser for excellence in technical creativity and innovation in 1978. He was cited for his work with vibration controls for centrifugal compressor rotors.

'47

DAVID H. TESSMER (E) has been appointed general manager of the Keystone Division of Dravo Corporation, Pittsburgh.

After 31 years as a faculty member and administrator at Pennsylvania State University, CHARLES J. SMITH (E) has retired. He was director of the Penn State Ogontz Campus since 1966, and holds the rank of associate professor. The Smiths will continue to live in Abington Township, Pa.

GILBERT W. BASSETT (PM), executive director of the Graphic Arts Technical Foundation in Pittsburgh, was one of three judges of "best of show" in NEO-GRAPHICS '79, a major competition for quality printing and publishing products. Mr. Bassett received the 1978 Soderstrom Award presented by the National Association of Printers and Lithographers for "significant leadership contributions made to the graphic arts industries."

'48

EVERETT HOFFMAN (A) was a guest speaker in a lecture on Egyptian Art at The Circolo Culturale Italiano meeting in White Plains, N.Y., in February.

EDMUND C. FRANZ (E), a senior engineer at Alcoa Laboratories, Upper Burrell Twp., Pa., was granted a license and title of registered professional engineer by the Commonwealth of Pennsylvania.

Mr. and Mrs. DONALD WILKINS (A), of the CMU music faculty, presented a workshop on preparing for the professional examination for the Pittsburgh Chapter of the American Guild of Organists in January.

AUGUST C. DRUBEL, III (E), product group director of Dow Badische Company in Williamsburg, Va., was elected to a three-year term on the board of directors of The Fertilizer Institute, national industry association.

Dr. JOHN D. HROMI (S), of Birmingham, Mich., has been named "Man of the Year," greater Detroit section, by the American Society of Quality Control. Dr. Hromi is associate professor of mechanical engineering at Lawrence Institute of Technology and is national treasurer of the American Society of Quality Control.

Dr. JOHN B. WACHTMAN, Jr. (S), a physicist who is chief of the inorganic materials division of the National Bureau of Standards, is president of the American Ceramic Society.

Homecoming for the Class of 1949

October 12, 13, 14

'49

FRANK A. LEE (E), president and chief executive officer of Foster Wheeler Energy Corp., Livingston, N.J., was chairman of the 32nd annual Brotherhood Awards Dinner of the New Jersey region, National Conference of Christians and Jews in Newark in February.

BENNARD B. PERLMAN (A) is presently on a sabbatical from his position as head of the art department at Community College of Baltimore. He is traveling and researching a new book on the artist, Robert Henri. His latest book *The Golden Age of American Illustration* — F.R. Gruger and His Circle, was published this past fall.

PHILIP PEARLSTEIN (A), a professor at Brooklyn College, had an exhibit of drawings and watercolors at the CMU Hewlett Gallery this spring.

E. STUART SAVAGE (E) has been appointed manager of marketing and development in the new Lectro Quip Department of the Dravo Corporation, Pittsburgh. He was formerly manager of technical development for Dravo's Chemical Plants Division.

'50

DELMER C. DAGUE (E) has been promoted to the newly created position of vice president, quality assurance of The General Tire & Rubber Company's Corporate Division, Akron, Ohio. He had been manager of quality control for the company's Tire Division since 1964.

RICHARD P. GEYSER (A) has joined the George A. Fuller Company's Chicago office as director of marketing and project development. Mr. Geysler will oversee the construction firm's business development activities in the Midwest and Western states.

Births

Ross Dalton born to Dr. and Mrs. Ross Opoku-Agyeman (Donna W. Dalton, M'65)

Michael Gregorio born to Mr. and Mrs. Gregorio Pino (Christy M. Dinwiddie, M'66)

Twins, Vicki Marie and John Francis, born to Mr. and Mrs. Vincent V. Wysocki (Jeanne Winans, M'68)

Anshul Kumar born to Mr. and Mrs. Sudhir Sharma (E'70)

Chaim Mordechai born to Dr. and Mrs. Edward M. Wolin (Susan Joy Weinberg, A'71)

Kate Louise born to Mr. and Mrs. Martin Goldhaber (Sally Winston, HS'72)

Twin daughters, Eve and Michelle, born to Mr. and Mrs. Howard Semins (Roni Harris, HS'72)

Daniel Long born to Mr. and Mrs. Kenneth Barton Farris (S'71, and Rosanne Perlman, S'73)

Kimberly Marie born to Dr. and Mrs. Jeffrey P. Cahill (S'73, and Karen Wellnitz, E'73)

Benjamin Todd born to Mr. and Mrs. Don Heller (S'71, and Mary E. Dannels, S'73)

Jeffery George born to Mr. and Mrs. Robert E. Birkett (E'74)

Aryn Royale born to Dr. and Mrs. John B. Bryant (IA'75, and Sandi Seltzer, A'74)

LEWIS I. FIELD, Jr. (E), manager of steelmaking practices and development with Bethlehem Steel Corporation, is author of an article, "The Impact of Energy Conservation," which appeared in *Iron & Steelmaker*, January 1979.

ROBERT F. MANSFIELD (E) has been appointed president of Korea Gulf Oil Company. He will be responsible for all business activities in Korea of GORAM and parent Gulf Oil Corporation. He will transfer to Seoul in his new position. Mr. Mansfield joined Gulf in 1953.

M. DONALD MCCLUSKY (E) has been appointed executive vice president of the Chemical Group of B.F. Goodrich Co., Akron, Ohio.

MARIAN J. WEIHE (A), organist and choir director for the Emmanuel Lutheran Church, Murrysville, Pa., was a guest pianist in a program for Symphony East in Monroeville, Pa., in January.

'51

RICHARD H. HOLL (E) has been promoted to president and chief operating officer of the Logan Clay Products Co., Logan, Ohio. Mr. Holl will continue to be active in sales and marketing development in addition to his new duties as president. He is director of the Ohio Chamber of Commerce, the National Clay Pipe Institute and the Buckeye Hills-Hocking Valley Regional Development District. He is also chairman of the Rocking County planning commission.

HARRY W. COLBORN (E), director of transmission planning, Allegheny Power Service Corporation, Greensburg, Pa., is on temporary loan to the Electric Power Research Institute in Palo Alto, Calif., as manager of technical assessment.

'53

CARROLL M. GANTZ (A) has been elected president for 1979-80 of the Industrial Designers Society of America. Mr. Gantz is manager of industrial design-consumer products for Black and Decker (U.S.) Inc., Towson, Maryland.

JOHN T. LEE (E) has been appointed vice president of manufacturing, components and metals, for the Magnetics Division of Spang Industries Inc. of Butler, Pa.

Dr. GEORGE E. DIETER, Jr. (E), dean of the College of Engineering at the University of Maryland, has been elected a trustee of the American Society for Metals.

RUSSELL F. GEE (E) has been appointed chief engineer for engines and components for the Chevrolet Motor Division, General Motors Corporation, Detroit, Mich.

ALBERT M. TRICE (PM) has been appointed executive vice president of H.S. Crocker Co., Inc., San Bruno, Calif. Mr. Trice joined the firm in 1953. He will continue as vice president of the Manufacturing Sales Division.

RICHARD ROY (A), director of Paris American Academy, Paris, France, received in May the Medaille d'Argent (Silver Medal) from La Ville de Paris, for the Academy's influential and continued support of France's cultural and artistic development. A 14th anniversary retrospective show of the Paris American Academy was also held in May.

Homecoming for the Class of 1954

October 12, 13, 14

'54

Dr. JOE CEO (A) is an associate professor of music at the University of Rhode Island where he coaches string students, conducts the school symphony orchestra and teaches introduction to music. He is also a member of the Rhode Island String Teachers Association. He and his wife, Joan, frequently give performances playing harp and viola d'amore.

RUTH STEINFURTH HARBOE (M) is coauthor of an article, "Continuing Education Class Provides OR Experience," which appeared in the AORN Journal, February, 1979. Mrs. Harboe is assistant professor at the University of Colorado School of Nursing, Denver.

BENNO A. BERTN (IA) has been appointed president of Ray-O-Vac Company, a new subsidiary unit of ESB Ray-O-Vac Corporation, in Madison, Wisconsin. Mr. Bertn was previously executive vice president and chief financial officer of ESB Ray-O-Vac Corporation. The new position resulted from a reorganization of the corporation into several companies with worldwide business responsibility.

JERRY CAPLAN (A), professor of art at Chatham College, had an exhibit of his "Raku Drawings" at The Clay Place Gallery, Pittsburgh, in April.

'55

Dr. WARREN I. POLLOCK (E) was elected chairman, Technical Advisory Council of the Materials Technology Institute of the Chemical Process Industries, Inc. for 1979. He is with the engineering department of E.I. du Pont de Nemours and Co., Wilmington, Delaware.

JOHN E. GREEN (E) is an engineer-estimator for Boyas Excavating Inc., Cleveland. The Greens will have three children in college this coming year.

'56

JOHN H. DOUGHERTY (E), owner of the Jondo Company, graduated from the Executive Masters of Business Administration Program at the University of Pittsburgh Graduate School of Business in January. He is president of the Ligonier Valley chamber of commerce.

HARVEY BREVERMAN (A) had an exhibition of his paintings and drawings at the FAR Gallery, New York City in March. Mr. Breverman teaches at State University of New York at Buffalo.

RACHEL KATZIN CHODOROV (A), of New York City, is personal assistant to film producer Sam Spiegel with Horizon Pictures, Inc. She was director of Galerie Denise Rene, New York City from 1976 to 1978.

ROBERT W. REDLINGER (E) has been appointed manager of TRW Michigan Division's Rogersville (Tenn.) plant. He joined TRW in 1961.

'57

ERNEST B. HARDWIG (PE) retired as president of Jacksonville Terminal, Jacksonville, Florida. He is now a special railroad consultant with Clark, Dietz & Assoc., Engrs., Inc., Carbondale, Illinois. The Hardwigs reside in Vergennes, Ill.

'58

JOHN B. KEPPEL, Jr. (S), manager of the container testing laboratory at American Glass Research, Butler, Pa., has been elected chairman of Committee C-14 on Glass & Glass Products of the American Society for Testing & Materials.

RAPHAEL PRUDENTE TURNBULL (A), of Norco, California, had four of her poetic essays in "Good Housekeeping" magazine. Her fourth poem appeared in the March issue. Mrs. Turnbull's essays are written in calligraphy. She teaches calligraphy in the Corona-Norco Adult School.

Dr. JAMES J. CHRISTENSEN, Jr. (E) is co-author of *Progress in Macrocyclic Chemistry*, Volume 1, published by John Wiley & Sons. The book is first in a new Wiley-Interscience series. Dr. Christensen is professor of chemical engineering at Brigham Young University.

H. LARRY MILBURN (IM) has been appointed Loyalhanna division customer services supervisor for West Penn Power Company at Latrobe, Pa.

Homecoming for the Class of 1959

October 12, 13, 14

'59

Dr. CHARLES NEEDHAM (S) was elected chairman of the Mid-Hudson Section of the American Chemical Society. Dr. Needham is an advisory chemist at the System Products Division, IBM Corp., East Fishkill, N.Y.

JAMES M. deBLASIS (A) directed the Pittsburgh Opera's production of "La Traviata" in January.

WILLIAM A. STICKEL, Jr. (E), assistant director-patents and licensing in U.S. Steel Corporation's research department, was a featured speaker at a meeting of the Finleyville (Pa.) Lions Club in February. He discussed the "Evolution and Change in the Steel Industry." Mr. Stickel is a member of U.S. Steel's Pittsburgh district speaker's bureau.

LESLIE ROWLEY MULLIKEN (M) is teaching Rya, tapestry and weaving classes, which are sponsored by the Harrison County (W.Va.) Parks and Recreation Commission.

PETER E. HELGESEN (A) is plant manager of Mitchell Engineering, Mt. Pleasant, Iowa. Mrs. Helgesen (MARY L. CARNAHAN, A) is shop owner of Needlepoint Originals. Mr. Helgesen writes that two plants in Mt. Pleasant are run by '59 graduates. RON DANALS (E) is manager of the Goodyear plant.

GLENN R. NOBLE (PM) is now business manager of Literacy & Evangelism, Inc., Tulsa, Oklahoma, after 18 years of mission-related work in Africa. The Nobles reside in Broken Arrow, Oklahoma.

DIANA ROMUALDI (A) played Mrs. Present in the presentation of the workshop of the Pittsburgh Metropolitan Stage Company in "The Aspern Papers."

'60

ROBERT A. BLOCHER (E) has been promoted to division project engineer at Republic Steel Corporation's Coal Mining Division, Uniontown, Pa. Mr. Blocher joined the firm in 1975.

ROBERT KATONA (IA) has been appointed a vice president of CM Inc., Constructors/Managers, Houston, Texas. He had been operations manager in Riyadh for two projects sponsored by the United States-Saudi Arabian Joint Commission for Economic Development.

'61

C. THOMAS MCBURNEY (E) is a director of AISE for 1979. He is a project engineer with Washington Steel Corp.

A.B. BATTISTINI (E) has been appointed central region sales manager of Cyanamid. He has been a sales representative for pigments and other products in the Chicago area since joining Cyanamid in 1969.

CAROL CLANEY KOEHLER (M) helped develop an outpatient education program on dieting at Greenville Hospital, Greenville, Pa. She has an appointment from the Pennsylvania Dietetic Association's executive board to organize a practice group of state consultant dietitians in health care facilities. She is an advisor to the Northwest Pennsylvania Hospital Institution Education Food Service Society and is a faculty member for a food service training course sponsored by Lake Area Health Education Center, Erie, Pa. She is president-elect of the Northwest Pennsylvania Dietetic Association. The Koehlers reside in Hempfield, Pa.

Mr. and Mrs. BRUCE WILLIAMS (PM, and CAROLE DENNISON, A'63) have built a new home in Columbia, Maryland. They will be moving with their two children to 5318 Long Sky Court. Mr. Williams is area sales manager for Case-Hoyt Color Printers in Columbia.

EMIL J. POSAVAC (E), director of graduate social psychology at Loyola University of Chicago, has been promoted to professor of psychology. Dr. Posavac has edited *Impacts of Program Evaluation in Mental Health Care* published in March by Westview Press.

J. ROBERT BIRCHAK (S) has joined the petroleum Services Division of NL Industries as a research physicist in their new Drilling Service Research Laboratories. He resides in Houston, Texas.

'62

Dr. RICHARD M. FANTAZIER (S) has been appointed general manager of physics research at Armstrong Cork Co. He resides in Mountville, Pa.

The News-Free Press of Chattanooga, Tenn., January 12 issue, had an article about MICHAEL D. CLEVINGER (A) and his career as a French horn player. Mr. Clevenger is principal horn in the Chicago Symphony Orchestra. He is also a member of the faculty at Northwestern University. The Clevengers and their two children reside in Wilmette, Ill.

Marriages

Helen Rose Wantuck and Joseph Gay Conley (I'25)

At Home: 5204 Carlton Street, Glen Mar Park, Washington, D.C. 20016

Jane Nern Stephens (M'26) and Herbert C. Douden (A'24)

At Home: 601 8th Street, Oakmont, Pa. 15139

Virginia Fort Johnston and James H. Layton, Jr. (E'37)

At Home: 10887 Emerald Drive, Sun City, Arizona 85351

Tracy Kirkman and Bradford L. Liff (AM'73)

At Home: 207 Morningside Drive, Carrboro, N.C. 27510

Valerie Irwin (A'74) and Jean Michel Thizy (IA'77)

PATRICIA PRATTIS JENNINGS (A), pianist with the Pittsburgh Symphony Orchestra, was a guest artist along with Donald Downs, violinist, at a recital at Duquesne University in March. Last season, Ms. Jennings played four-hand sonatas with Andre Previn on the PBS series "Previn and Pittsburgh." She has written several songs in the commercial and gospel idioms, one of which, "Jesus Is All I Need," won a top award in the 1977 American Song Festival.

'63

SANDRA YERKE NEWBORN (A) is art director of *Kansas City Magazine*. She is the former owner of the Art Works gallery, Shawnee Mission, Kansas.

JOAN KOPCHIK (A) had her drawings exhibited at the Abington Art Center, Jenkintown, Pa., in February.

RODNEY T. KOZA (E), of Union, N.J., received the designation of certified plant engineer from the certification board of the American Institute of Plant Engineers. Mr. Koza is assistant manager of the building department of Mutual Benefit Life Insurance Co., Newark.

VINCENT J. SANZOTTI (A) was clarinet soloist for the Butler Chamber Music Orchestra concert in February. Mr. Sanzotti is assistant band director and director of musical production at Butler Senior High School, where he also directs the Jazz Ensemble, Wind Ensemble, and orchestra. He is director of music for St. Michael Roman Catholic Church and a member of the Butler County Symphony Orchestra and the Butler Musical Society Concert Band.

LEROY R. FANNING (E) was elected vice president and a member of the board of directors of Malcolm W. Larson Contracting Co., Inc., Aurora, Colorado.

ANTHONY A. ACHKIO (IM) has been appointed manager of PPG Industries' automotive glass fabricating plant to be constructed in Evansville, Ind. He had been plant manager of PPG's Kokomo, Ind., architectural metals fabricating plant.

PETER G. KOST (E) has been promoted to group manager of marketing administration for the Timken Company, Canton, Ohio. He joined the company in 1966.

Homecoming for the Class of 1964

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'64

DWIGHT B. CRANE (IA), professor of business administration at the Graduate School of Business Administration, Harvard University, is co-author of an article titled "Strategies for a NOW-Account Environment," which appeared in the January-February issue of *Bankers Magazine*.

ANTHONY DEMARK (E) has been promoted to manager of Central Control Systems of Honeywell Process Control Division of Fort Washington, Pa. He joined the division in 1964.

WILLIAM A. SPRAGUE (E) is vice president of Green International, Inc., Sewickley, Pa. Mr. and Mrs. Sprague and their daughters, reside in Gibsonsia, Pa.

LESLIE FOSTER REIS (M), of Evanston, Illinois, is owner and chef of the Cafe Provencal, a country French restaurant. She looks forward to greeting fellow alumni in the area.

PHILIP A. MEYERS (S), associate professor of oceanography in the department of atmospheric and oceanic science at the University of Michigan, Ann Arbor, has been appointed to a three-year term as an associate editor of *Geophysical Research Letters*, a journal published by the American Geophysical Union. He also served as one of the four persons constituting the nominating committee for the 1979 election of the American Society of Limnology and Oceanography. At the University of Michigan he is involved in developing a unified program in aquatic science education as part of the Michigan Sea Grant Program.

WILLIAM JOSEPH ENGLISH (E) has recently been promoted to chief of the Space Segment Engineering Section at Intelsat. Intelsat is the 102-member nation organization which provides communications satellite facilities over the Atlantic, Pacific and Indian Oceans.

Dr. LOUIS DEZSERAN (A), assistant professor in the department of drama and communications at the University of New Orleans, was featured in an article which appeared in the February 24 issue of *Times-Picayune*, New Orleans, La. He directed the UNO's Theater East production of Chekov's "The Three Sisters" in February.

'65

After spending a year in Ghana, Dr. and Mrs. Ross Opoku-Agyeman (DONNA W. DALTON, M) returned to California. Dr. Donna Opoku-Agyeman rejoined the teaching faculty at Los Angeles Southwest College in biology and physiology. With their son, they reside in Hawthorne, Calif.

T. JAMES TRUBY (A) is deputy administrator for the state Aviation Administration, Maryland Department of Transportation.

DAVID S. HOWARTH (E), associate senior research engineer at the General Motors Research Labs in Warren, Michigan, is co-author of an article entitled "Iron Oxide-Doped Yttria-Stabilized Zirconia Ceramic: Iron Solubility and Electrical Conductivity," which appeared in the February issue of the *American Ceramic Society Bulletin*.

The Pickwick Puppet Theatre, directed by KEN MOSES (A) performed Mozart's opera, "The Magic Flute," at Lincoln Center's Avery Fisher Hall in January.

'66

JAMES E. GERARD (A) received the 1979 Award for Excellence in Architecture by the Pittsburgh Chapter of the American Institute of Architects. Mr. Gerard was honored for renovating and expanding an existing warehouse structure into the main library of Duquesne University. He is owner of Girard Associates - Architects, Pittsburgh.

RICHARD L. VAN TASSEL (E) is a project engineer with GAI Consultants, Inc., Washington, D.C.

GEORGE B. FROMHOLD (IA) has been appointed economic planner in the Dow Corporate Product Department, Midland, Michigan. He joined Dow in 1966.

SHEILA M. RUBENSTEIN (A) had her first one-woman show at the Canyon Gallery in Palo Alto, Calif., this spring. The show included 17 pastels, many with a circus theme.

EDWARD W. JESSE (E) has been promoted to manager of industrial products at Elliott Company, a division of Carrier Corporation. The Jesses reside in Greensburg, Pa.

TOM GLASSBERG (E) has been elected president of the Mechanical Contractors Association of St. Louis, Mo., for 1979. He is president of the General Installation Company, St. Louis.

'67

RITA BARAGONA SULLIVAN (A) had her first one-woman painting show at the Bowery Gallery in New York City in March. The Sullivans and their two children, Gregory and Timothy, reside near the Delaware Water Gap in New Jersey.

Dr. JOHN B. YASUNSKY (E) has been appointed president of the Westinghouse-Hanford Company, Richland, Washington, which operates the Hanford Engineering Development Laboratory for the Department of Energy.

HARVEY A. SHAPIRO (E) was recently appointed special assistant, Office of the Vice President for Academic Affairs and Provost, at Oakland University, Pontiac, Michigan, where he has been employed since 1970. He was previously the assistant to the dean of the School of Economics and Management as well as the administrative director of the graduate program. Mr. Shapiro is also actively engaged in consulting in the labor relations area and is an arbitrator for the Michigan Employment Relations Commission.

GEORGE ALAN WAGNER (A), baritone, was guest soloist in a recital at West Chester (Pa.) State College in January. Mr. Wagner is an associate professor of voice at WCSC. He was guest soloist in a Pops Concert with the Philadelphia Orchestra at the Academy of Music in Philadelphia in January.

MARY E. GRIFFIN HEALEY (M) has been appointed a reporter for the *Penn Franklin News*, Murrysburg, Pa.

MARY SHENEFIELD (M) has been appointed residential coordinator/case manager of Dignity, Inc., in Riverton, Wyoming. The organization provides employment opportunities for developmentally disabled adults. A program manual, written by Ms. Shenefield, has been distributed nationwide to assist other areas in replicating the project which is totally self-sufficient of government funding. She is president of the League of Women Voters of the Wind River Area.

'68

RICHARD A. STAFFORD (S) was appointed secretary for legislative affairs by Governor Dick Thornburgh of Pennsylvania. Mr. Stafford served as transition director for the new administration and will be the governor's chief liaison with the General Assembly.

Dr. WALTER E. WEAVER (E), director of musical activities at Boyce Campus, was guest conductor for the 250 voice high school choir at the Pennsylvania Music Educators Association (PMEA) District Choral Festival in January. Dr. Weaver is professor of music and director and co-ordinator of the musical activities of the Boyce Campus Music Department, Allegheny County Community College.

Dr. EDWARD H. STEINFELD (A) received the Progressive Architecture Award for Research on the ANSI A117 Standard. He is professor of architecture at the State University of New York at Buffalo. He also is writing a series of articles for *Architectural Record*.

LOUIS C. SASS, Jr. (S) is management analyst for the State of Colorado, Denver. He received his M.B.A. in finance from the University of Chicago in 1978.

MICHAEL J. CLARK (M) is general manager and associate producer of the Firehouse Dinner Theatre in Omaha, Nebraska. He is publisher of *Omaha City Magazine* and does free lance work in T.V. and radio commercials.

Dr. RONALD J. LIVAK (E) has accepted an appointment as assistant professor of materials science and engineering at Washington State University, Pullman.

DIANNE KAWECKI PECK (A) was guest speaker at the March meeting of the Manassas (Va.) Branch of the American Association of University Women. Mrs.

Peck, a partner in the firm of Peck, Peck and Williams Architects in Occoquan, spoke on "Architecture as an Art Form."

MARY WHITING PUTMAN (A) had an exhibition of her oils and pastels in the Clarence Tolan Gallery in Wayne, Pa., in March.

JACOB BOOMHOUWER (E) received his M.B.A. degree from the University of Missouri at Kansas City. He is a project engineer with Black & Veatch, consulting engineers specializing in financial feasibility and cost of service rate studies for private and public utilities. He resides in Overland Park, Kansas.

NICHOLAS E. LYNAM (E) was promoted to the newly created office of vice president, manufacturing for the Petrochemical Group, Union Chemicals Division, Union Oil Company of California, Schaumburg, Illinois. He will continue to direct production at the Group's six polymer and adhesive manufacturing plants.

MARC ROSEN (A) is vice president of package design and creative merchandising for both Elizabeth Arden, Inc. and Parfums Lagerfeld, Inc. Worldwide, New York City.

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Deaths

A'09	Reginald D. Street
M'12	Helen Boyd McCully
E'12	Ottmar M. Tishlarich
M'13	Genevieve Cushwa
I'13	Harold L. Sellors
E'14	Howard J. Kennedy
M'20	Ruth Edgin Pugh
E'21	Arthur D. Bauer
E'21	Fred E. Burger
E'21	Charles J. Copley
M'22	Agnus V. Sheppard Garratt
E'22	Julius J. Pannek
I'24	Raymond K. Reznor
PM'25	Ernest F. Barvoets
E'25	J. Wallace Hopkins
A'25	Bernadette Marlier
I'25	Maurice P. Sieger
E'26	Russell Blanch
M'26	Anna Hamilton Mead
E'26	Edward W. Wright, Jr.
I'27	Robert M. Glassner
E'27	John W. Metro
E'28	Sylvester C. Read
A'28	Robert M. Stevens
E'29	Joseph M. Airgood
E'29	Lester Paul Oelschlager
M'31	Mary L. Vogle English
I'31	Milfred H. Fritsche
PM'31	Charles W. Pitkin
E'33	John Henry Bodendorfer
A'34	Adrienne Baruch Marden
A'36	Paul C. Perrin
E'36	Paul J. Stein
A'37	Kathryn Bauer Pringle
E'37	Albert C. Strauss
A'39	Charles W. Schwab
E'40	James P. Milliron
A'49	John J. Regan
E'49	Don L. Rubinfield
A'53	Alfred I. Spindelmann
E'55	Luke B. Ciarallo
PM'59	Robert L. Munroe
E'61	Jack W. Bell
A'69	Robert N. Osborn
S'70	Patton L. Seifert
S'73	Eli J. Kedar

'69

Dr. RALPH L. HILL (A), harpsichordist, presented an all-Bach concert at Utica College of Syracuse University in March. Dr. Hill is a professor of music at LaRoche College, Pittsburgh, and is music archivist for the Harmony Associates of Old Economy, Ambridge, Pa. He is involved in researching and lecturing on the history of American religious and spiritual music.

Dr. ROBERT J. HIRKO (E), assistant professor of electrical engineering at Memphis State University, was named an Eminent Engineer by the Memphis State chapter of Tau Beta Pi, the national honorary engineering society.

LINDA EYSTER BUSHYAGER (HS) has sold her second novel *The Spellstone of Shaltus* to Dell. Her first book *Master of Hawks*, will be out in July of this year. It is a science fiction/science fantasy and is also published by Dell.

Mr. and Mrs. EVAN H. KOMITO (E), of King of Prussia, Pa., were elected to the board of the King of Prussia Players, a community theatre organization. They directed and produced the group's February show, "Bullshot Crummond." Mr. Komito is a mechanical engineer, MHD Programs, GE-Space Division, Philadelphia.

'70

Dr. JEFFREY D. KORN (HS) received his Doctor of Pediatric Medicine from the Pennsylvania College of Podiatric Medicine. He ended his surgical residency at Lawndale Hospital in Philadelphia in June 1978. Dr. and Mrs. Korn, and their one-year-old son, Justin Scott, now reside in Claremont, California. Dr. Korn practices podiatry in Ontario, Calif.

LINDA CURRY BARTHOLOMEW (S) has been appointed assistant economist and director-public affairs with Pennsylvania Power and Light Co., Allentown, Pa.

Mr. and Mrs. ROBERT D. RHODES (AM) recently moved to Richardson, Texas. Mr. Rhodes is manager of financial planning and analysis for the National Sheredata Corp., Dallas.

JUDITH RESNIK (E) is one of six women astronauts receiving extensive training by NASA to participate in future space shuttle programs.

STEPHEN L. HECKMAN (E) was elected chairman of the Venango County Planning Commission, Oil City, Pa.

Dr. BRUCE F. FERNIE is a research associate in the Division of Molecular Virology and Immunology, Georgetown University, Rockville, Md. The Fernies and their one-year-old daughter, Laura Theresa, reside in Silver Spring, Md.

SUSAN SYDNOR WAGNER (A), cellist, was guest soloist in a program for the McKeesport Music Club in January. Mrs. Wagner is a string teacher in the Churchill School District and is principal cellist with the Westmoreland Symphony Orchestra. The Wagners and their two children reside in Dravosburg, Pa.

Sister MARY AGNES EARNER (HS), of Pittsburgh, was a panelist in the eighth program of the series, "The Long Search," sponsored by Morris Harvey College in Charleston, West Virginia.

DAVID J. CHORBA (HS) was recently promoted to an advisory marketing representative for the Data Processing Division of IBM in Washington, D.C.

SUDHIR K. SHARMA (E) was one of three research department engineers at Bethlehem Steel Corporation's Homer Research Laboratories to be honored by the Iron and Steel Society of the American Institute of Mining, Metallurgical and Petroleum Engineers. They received the 1979 Robert W. Hunt Silver Medal for a paper titled, "The Bath Circulation, Jet Penetration and High-Temperature Reaction Zone in BOF (basic oxygen furnace) Steelmaking."

'71

WARD T. POWELL (E) has been appointed manager-customer service by the RMC Division of Portec Inc., Pittsburgh. He has been with the firm since 1967.

KARL W. BERGER (E) will be in Rio de Janeiro, Brazil for at least two years as lead engineer for Westinghouse Transportation Division on the new Rio Metro subway.

DONALD E. CLIMPSON (E) was promoted to manager-service engineering for GE — Transportation Systems Business Divisions — Motorized Wheel Drive Systems for off-highway haulage trucks and oil well drives. The Climpsons reside in Erie, Pa.

Mr. and Mrs. JOSEPH ANSTAY (IA) and their daughter, Fabienne, one year old, have moved from Manhattan to Westport, Connecticut. Mr. Anstay was promoted to vice president of Market Research Corporation of American, Stamford, Conn.

Dr. STEVEN I. TAUB (E) has been elected to the board of directors of Stablex Corp. Radnor, Pa. He is also vice president of process development engineering for the firm.

JAMES E. TOMAYKO (HS), of Garden City, Kansas, participated in a five-member panel discussion at the National Chinese Language Teachers Association last November. He is author of an article, "Modern Chinese Readers," which appeared in the CLTA Journal last year. Mr. Tomayko is an instructor at Garden City High School's Self-Directed Learning Center.

ROBERT CUNNINGHAM (A), a teacher at Westwood High School, Mesa, Arizona, was a guest conductor with the Tempe Symphony Orchestra in March.

RALPH BLOOM, III (A) has been appointed production manager at The Juilliard School, New York City. He had been technical director for the Bi-Centennial in Philadelphia, Pa., and technical director at Juilliard for the 77-78 season.

JOSEPH S. POTTS (E) has been promoted to senior application engineer — industrial turbines at Elliott Company, a division of Carrier Corporation, Jeanette, Pa.

JAMES R. KAISER (PE) has been promoted to the position of chief engineer — mechanical for The Timken Company, Canton, Ohio.

KENNETH BARTON FARRIS, M.D. (S) will complete his residency training this summer and assume positions as clinical professor of pathology at Tulane Medical School and staff at West Jefferson General Hospital, New Orleans, La. Mrs. Farris (ROSANNE PERLMAN, M) returned to her position as research nutritionist at the Specialized Center of Research — Arteriosclerosis at Louisiana State University Medical Center this spring.

SUZANNE MANNIS (A), a faculty member at the Museum of Fine Arts School, Houston, had her art exhibited at the Alley Theatre, Houston, in February.

'72

RONALD WONG (A) has been appointed vice president of the Schechter Group, a New York City Design and Marketing Communications firm.

ANN MARGARET BOYAJIAN (A), of Newton, Mass., designed a "Golden Tapestries" calendar illustrated with her needlework. She was a top prize winner in the *Ladies Home Journal's* Bicentennial Stitching Contest.

EUGENIE RAMIK BURGGRAF (M) is director of the Dietary Division of the Pennhurst Center in Chester County, Pa.

DENNIS P. WEAKLAND (E) has been appointed manager of new construction at Hillman Barge and Construction Company, Brownsville, Pa. He received his Master of Business Administration degree from the University of Pittsburgh in August 1978.

LEWIS ARLT (A) plays David Sutton in the TV series "Search for Tomorrow."

CHARLES BOBICH (S) has been promoted to the position of Group Leader in the Toner Technical Department of Nashua Corporation. He is currently working in the Executive MBA program being given at the

Digital Equipment Corp. under the auspices of the University of New Hampshire. Mr. Bobich resides in Merrimack, N.H.

RANDALL K. FISHER (E) has been promoted to senior process engineer in the Corporate Research Group of Anchor Hocking Corporation in Lancaster, Ohio.

RICHARD H. FELNAGLE (A), assistant professor at the Community College of Allegheny County, West Mifflin, Pa., recently directed "Tartuffe" and "East Lynne." He performed in "Side by Side by Sondheim" in May.

'73

JOSEPH A. SIGEL (IA) has been appointed assistant to the publisher of the *Carmel Pine Cone*, Carmel, Calif. He will be involved in the operation of two other weekly newspapers published by Carmel Communications Corp., the *Carmel Valley Outlook* and the *Monterey Peninsula Review*.

TED M. EHRLICHMAN (AM) has been appointed associate director of marketing at Looart Press, Inc., Colorado Springs, Colorado.

Dr. MICHAEL J. KEENAN (S) has transferred from Exxon Chemical Co. U.S.A., as senior chemist. The Keenans reside in Baton Rouge, La.

HELENE J. KOMMEL (S) received two masters degrees from the University of Michigan, one in computer science and one in mathematics. She spent a year in England and worked at the University of Sussex for England's Medical Research Council. There she developed a small computer facility for real time cognition and perception experiment control. Ms. Kommel recently entered a Ph.D. program in the faculty of mathematics at the University of Waterloo, Ontario,

Canada.

MICHAEL HAGERTY (A) played the featured role of Kenny Killarney in the first episode of the NBC miniseries "Studs Lonigan." He resides in Los Angeles.

SHELDON EPPS (A) is associate artistic director and a co-founder of The Production Company in New York City. His musical "Blues In The Night" was presented at the McCarter Theatre, Princeton, N.J., during March.

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'74

ROBERT M. WEINHEIMER (E) received his Ph.D. degree in chemical engineering from CMU in January 1979. He is working in oil research and development as a development chemist for Celanese Polymer Specialties Co. in Louisville, Ky.

GRETCHEN NIVER (HS) is employed at ITT's Transmission Division in Raleigh, N.C., as the graphics coordinator in the documentation department. Her husband, STEPHEN GOLDMAN (E), has taken a semester's leave of absence from Texas Gulf to work toward a masters degree in computer science at the University of North Carolina.

Dr. THORE H. JOHNSEN (IA) has returned to Norway, where he is an assistant professor at the Norwegian School of Economics and Business Administration in Bergen.

BOB SCOTT (A) had his wood sculpture exhibited at the William Penn Memorial Museum, Harrisburg, dur-

Let's Meet and Eat

We present this list of regular luncheon meetings of the clans with the hope that traveling alumni can take advantage of these recurring events to meet old friends or make new ones.

CLEVELAND

Second Friday of each month, 12 noon

(Except July and August)

Cleveland Engineering Society

3100 Chester Avenue

(No Reservations Needed)

Pres. Eugene P. Bittinger (A'51)

Secy. Robert DeMerit (E'37)

GOLD COAST

Second Thursday of each month, 12 noon

Harris Imperial House

Pompano Beach, Florida

Broward County

(No Reservations Needed)

Leslie C. Schweitzer (E'23)

(305) 943-8790

SUN COAST

St. Petersburg, Clearwater,

Dunedin, Tampa, etc.

Third Thursday of each month, 12 noon

Steak and Ale Restaurant

770 U.S. Highway S.

Clearwater, Florida

Lewis Barger (I'27)

(813) 531-5560

Ross Bryson (E'31)

(813) 397-6748

SUN COAST

The Sub-Clan of the

Sun Coast Clan

Sarasota-Bradenton-Venice-

Englewood, Florida

First Tuesday of each month, 12 noon

(September through May)

Eddy's Restaurant

1600 S. Tamiami Trail

Eugene Krebs (S'26)

(813) 921-2515

George Keown (S'26)

(813) 349-7333

PHILADELPHIA

Second Friday of each month, 12 noon

(September — May)

The Grill, Ninth Floor, John Wanamakers

Dept. Store

(No Reservations Needed)

PHILADELPHIA

The Sub-Clan of the

Philadelphia Clan

Reading, Pa. area

Second Tuesday of each month, 12 noon

Reading Motor Inn

North Park Road at #422 By-Pass

(No Reservations Needed)

Paul L. Heath (A'29)

(215) 372-1683

PITTSBURGH MEN'S

Every Monday, 12 noon

William Penn Hotel

Engineers Club — Lower Level

Guests Welcome

WASHINGTON

Second Thursday of each month, 12 noon

Golden Ox Restaurant

1615 "L" Street, N.E.

(No Reservations Needed)

Pres. William C. Dean (E'49)

Secy. Ellenor A. Rose (HS'72)

ing February. He is a member of the faculty at Radnor Senior High School in Wayne, Pa., where he teaches art and is assistant coach for freshman football and winter track.

LOWELL E. HEPLER (A), pianist and a faculty member at the Allegheny College, Meadville, Pa., presented a concert in the Campus Center in January with violinist Rico McNeela, also a faculty member. Mr. Hepler, an assistant professor of music, is working toward his doctor's degree in musicology at Case Western Reserve University and is studying with Grant Johannesen, head of the Cleveland Institute of Music. Mr. Hepler conducts the Allegheny Wind Symphony and Brass Ensembles and is pianist with the Allegheny Chamber Players.

JOHN C. SULLIVAN (A) designed both costumes and the set for Oliver Hailey's "Fathers Day," which was presented at the Loretto-Hilton Repertory Theater, Pacific, Mo. Mr. Sullivan has been resident costume designer for the Loretto-Hilton for four years.

JAMES J. HUTTNER (S) is working toward his M.D. degree at the Medical College of Ohio, Toledo. He is still enrolled in the Ph.D. program at Ohio State University.

JACK D. SCHWARTZ (A) is a self-employed book designer in Boston, Mass. He enjoys sailing and cross country skiing.

NANCY A. NOVICK (HS) has been a copy writer at North-Holland Publishing Company in Amsterdam for the past two years. She is also working toward a degree in English at the University of Amsterdam so that she can eventually be a qualified translator and/or teacher of English.

JOSEPH S. MEROLA (S) received his Ph.D. degree in chemistry from M.I.T. in June 1978. He is currently a research chemist with the Corporate Research Labs of Exxon in Linden, New Jersey. Mrs. Merola (CATHERINE L. DuBREUIL (S'75) is a technician with the same laboratories. The Merolas reside in Elizabeth, N.J.

'75

Dr. HAI HONG (IA) has been appointed general manager of Applied Research Corporation, Singapore.

The ALEX W. KROKOWSKIS (E) have moved to the northern New Jersey area, where Mr. Krokowski is an estimator for Basf-Wyandotte Corp. Parsippany.

JOCHEN E. KINDLING (E) has been appointed senior product engineer for the YR Turbine, YR Gear and Hot Gas Expander product lines, Elliott Company, a division of Carrier Corporation, Jeannette, Pa.

ROBERTA CUNNINGHAM (A), soprano, gave a benefit recital at the Laurel Valley High School, Ligonier, Pa., in February. She is working toward her masters degree in opera at CMU.

RONALD E. SMOKO (E) is a mechanical engineer in the design engineering department of U.S. Steel Corp., Pittsburgh.

ARNOLD KARR (HS) has resigned as West Coast editor of the *Daily News Record* to join *Men's Apparel News*, a Los Angeles-based publication, as editor-in-chief.

MIMI LERNER (A) was featured soloist with the Altoona (Pa.) Symphony Orchestra for its Valentine concert. Ms. Lerner, a mezzo soprano with the Pittsburgh Opera, is soloist at the Smithfield Church and the Tree of Life Synagogue in Pittsburgh.

'76

MICHAEL S. BAURER (HS) has been appointed sales associate by Lam and Buchsbaum, eastern Montgomery county (Pa.) realtor. He resides in Rydal, Pa.

THEODORE SEACORD (E) was promoted to field engineer with Schlumberger Offshore Services, a division of a multinational corporation, which provides electric wireline services to the oil and gas producing industries. He resides in Larose, La.

JOSEPH A. SIVAK (E) is employed by Applied Physical Laboratories in Maryland, working in aerospace engineering in conjunction with the Johns Hopkins Research Center.

LIZA M. GREENE (A) worked as assistant art director for "Pocket Books" a division of Simon and Shuster until December 1978 when she joined *People Magazine* as associate art director. She resides in New Canaan, Conn.

KENNETH E. WILLIAMS (E) has accepted a position as a metallurgical engineer at National Steel. He was formerly a research engineer at National Steel Research Center.

STEPHEN M. HEYDE (A) is assistant professor of music at West Virginia University, Morgantown. He is assistant conductor of the Community Symphony Orchestra, concert master of the West Virginia Symphonette,

and a member of the Baroque Ensemble.

Mr. and Mrs. JAMES L. HARMAN (A, and SHARON BLANK, S'77) are on a three-month tour of Europe. They reside in Cambridge, Mass.

RICHARD E. HOPKINS (PE) has been appointed vice president-marketing in Warner & Swasey Company's Turning Machine Division, Cleveland, Ohio.

EILEEN HEISMAN (HS) has a new position as coordinator of emergency services at Hall-Mercer Community Mental Health Center in Philadelphia, Pa.

DAVID R. BYERS (E) is working toward his Master of Business Administration degree at Northwestern University. He is a manufacturing engineer with the Appleton Electric Company, Chicago.

RICHARD A. DUNCAN, Jr. (E) transferred to Wilmington, Delaware from Natick, Mass. as sales representative for Huntington Alloys, Inc.

KAREN J. LEWIS (E) is a methods engineer in the facilities planning department of the Elliott Company, Jeannette, Pa. (Division of Carrier Corporation), in charge of establishing a comprehensive energy conservation program for the plant. Ms. Lewis received her assignment upon completion of an 18 month technical graduate training program.

'77

DAVID R. CARNAHAN (E) has accepted a position as a staff engineer on the Clinch River Breeder Reactor Project with Burns and Roe, Oradell, N.J.

ROBERT TROEGER (A) presented on organ recital at St. Andrew's Episcopal Church, Mentor, Ohio, in December. He is organist at the United Methodist Church of Mentor and is studying organ at the Cleveland Institute of Music.

CHARLES L. GILBERT, Jr. (A), musical director of Theatre Express, Pittsburgh, is composer of a new musical "Assassins," which had its premiere performance at the Theatre Express in January.

PHYLLIS J. KUBEY (A), contralto, was featured soloist in "Songs of Nature" by John Heiss at the Pittsburgh New Music Ensemble Concert in February. DAVID F. STOCK (A'62) is conductor of the ensemble. Ms. Kube is a vocal coach and voice teacher at CMU.

ROBERT CLARKE (A) presented a classical guitar recital at Duquesne University in March. He is an instructor in the School of Music.

TOM HEARN (A) directed the Pittsburgh Theatre Express production of Gertrude Stein's "Made by Two" at the Stage II of Long Wharf Theatre in New Haven, Conn. in May. The week-long residency was part of a festival of three visiting companies.

'78

CORINNE DiPASQUALE (A) has joined the art staff of Winterkorn, Hammond and Lillis Inc. as assistant to the art director.

THOMAS C. GRIMM (E) is a graduate student in civil engineering at CMU. He is studying trace metals in the air and how they are scavenged from atoms.

JOHN N. STIREWALT (PE) has joined the Youghiogheny & Ohio Coal Company, Martins Ferry, Ohio, as vice president-marketing.

ARTHUR V. SOLOMON (E) has been appointed a project engineer in the plant engineering design department at Hydra-matic Division of General Motor's Corporation, Ypsilanti, Michigan.

REBECCA L. KITA (A) has accepted a position as violinist with the Caracas Philharmonic Orchestra of Venezuela.

JACQUELINE F. DURBIN (A), instructor and costume designer in the theatre department at Wayne State University, Detroit, Michigan, is designing costumes for the Hilberry Repertory Theatre at the university and teaching costume design and make-up.

CLAUDE C. SMITH (HS) was coordinator for a new poetry contest sponsored by the English department at Virginia Tech in Blacksburg. The poetry contest was designed to encourage poetry writing among high school students throughout Virginia. Dr. Smith is a faculty member of the English department.

BARRY S. MASEL (E) is president of Maselco, an engineering consulting firm in North Merrick, N.Y., specializing in the application of electronic technology to new markets.

FREDERICK T. CHUANG (A), a member of the faculty at California State College, San Bernardino, handcrafted the masks for the Cal Tech production of Euripides' "Medea" in February.

JANICE CAYWOOD (E) has accepted a position with the Polaroid Corporation as a supervisor of production in the film division. She resides in Cambridge, Mass.

Alumni Association Executive Board

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President-Elect

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Director of Alumni Relations

Linda E. Schorr

Associate Director of Alumni Relations

David A. Wolf (S'77)

Assistant Director

Alumni Relations

David G. Roussos (HS'78)

Director's Letter



Bob McCurdy



Linda Schorr

Staff Changes in Alumni Relations and Annual Giving Programs

On July 1, 1979, Linda E. Schorr will succeed Robert G. McCurdy as director of Alumni Relations. Bob ("you can call me Bob, or you can call me R.G.") will on that date take charge of the university's annual giving programs. These include alumni, friends, parents, corporations, and the three giving clubs — Andrew Carnegie Society, Cameron Clan, and Highlanders.

Bob and Linda bring a combined total of over thirty years' experience in alumni work at CMU to their new positions. Linda started as secretary in the alumni office in 1965 and has been administrative assistant, associate director, and now director. In the recent past Linda has established the Student/Alumni Relations Council (SARC) which has been nationally acclaimed, and she has earned the respect of her peers as a featured speaker at national meetings of professionals working in the alumni relations field.

During the past sixteen years Bob McCurdy has set in motion, with the help of myriad alumni volunteers and an excellent staff, a program that has brought CMU and her alumni to a relationship that truly means "alma mater." During this period the annual alumni awards have read like a "Who's Who" of American science, engineering, education, the arts, and management. The alumni travel programs have received outstanding acceptance. Forums on housing, equal opportunity, energy, and other important topics have brought distinguished speakers to the campus, most of them alumni. Homecomings get better and better. The most recent addition, the international nights with international dancing, and entertainment, have brought Pittsburgh-area alumni regularly to the campus. Faculty from the university are scheduled speakers at out-of-town clan meetings.

The university is fortunate to have two such experienced and talented people to staff these important positions.

Because of the proximity of Linda's and Bob's offices, I'm sure that the two of them will consult frequently on fund raising and alumni programs.

I am most pleased to welcome Bob and Linda to their new positions. Based on my thirteen-and-one-half years of work with alumni, I know that you will give them loyal support in their new duties.

Alvin P. Brannick
Director of Development