

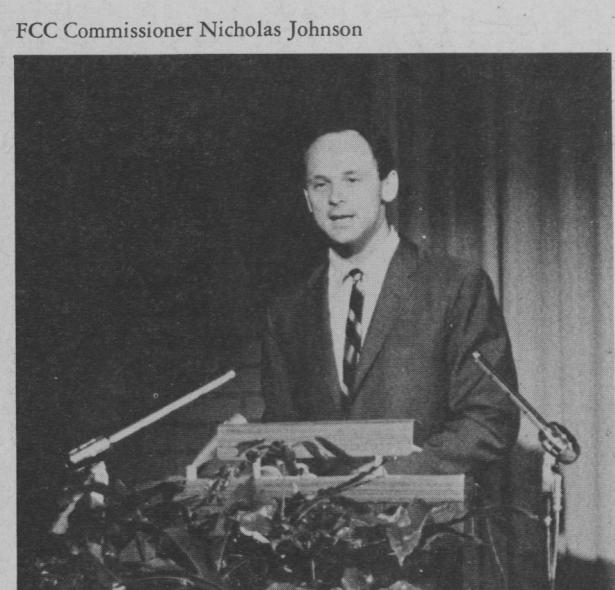
DVP



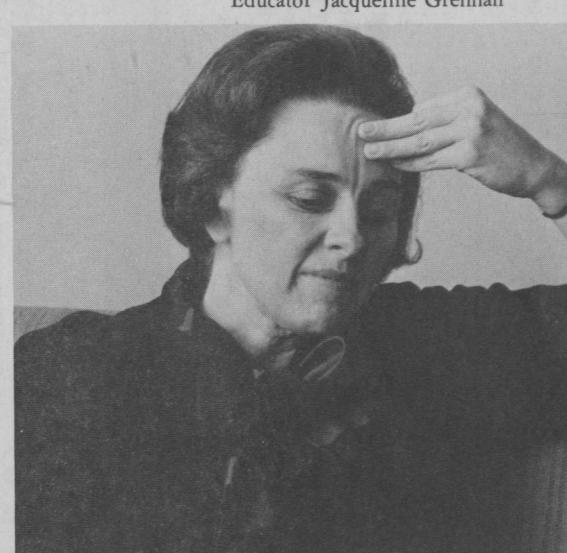
Author Harry Golden



Newsman Carl Rowan



FCC Commissioner Nicholas Johnson



Educator Jacqueline Grennan

Exploration

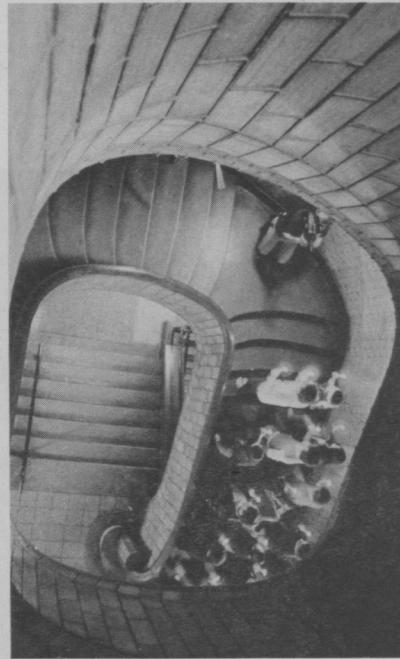
It began in 1961. The thrust came from the Alumni Association, which sought to bring to life the concept of continuing education. Since then fields ranging from cosmochemistry to transportation, computers and man, communications, education and obsolescence in a rapidly-changing world have been explored annually by

distinguished scholars, scientists, management experts, journalists and social critics, some of whom are pictured here. Next month another in the annual series of Carnegie Conferences, the ninth, will host a new team of explorers and a new intellectual journey. (See page 1)

CARNEGIE ALUMNI NEWS

February 1969

CARNEGIE ALUMNI NEWS



published for the Alumni
of
Carnegie-Mellon
University,
Pittsburgh, Pennsylvania
February 1969

Carnegie Conference Examines Causes And Cures of Social Unrest

The quest for the causes and cures of social unrest appears to be a cosmic task.

One story has it that Sean O'Casey, who had just bid his fallen farewell, organized the other shades of discontent and drummed them straight up to Thomas Carlyle's hereafter house, a full-scale replica of the Bastille.

"The world's," O'Casey roared up to a window, his voice shaking the pictures on the walls as it rumbled down old Tom's hallways, "in a terrible state of chassis."

The discontents waited, grumbling. Tom Hobbes, inflamed and feverish, held fast to his pet Leviathan's leash as the poor animal clawed at its sores of defectuous procreation.

*Suddenly the mob stilled. Carlyle was at the window, a copy of *The French Revolution* in one hand, and a bagful of prescriptions for the past and the present in the other.*

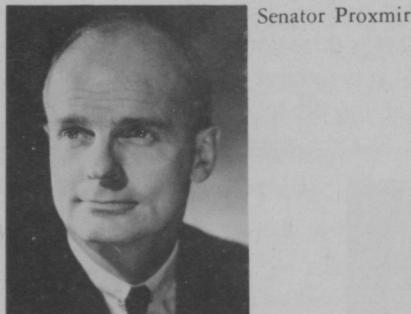
"Brothers," he lamented, "I am sorry I have got no Morrison's Pill for curing the maladies of Society."

Social ailments—still complex—and their still elusive cures will be taken up again next month at Carnegie-Mellon University's ninth annual Carnegie Conference.

The all-day parley, to be held March 29 in Skibo Hall, will bring together a variety of reasoned opinions regarding the problems of social unrest.

Scheduled to speak are U. S. Senator William Proxmire, (D., Wisc.); John R. Coleman, president of Haverford College; David V. Ragone, associate dean of CMU's School of Urban and Public Affairs, and Leonard Rapping, associate professor of economics in the Graduate School of Industrial Administration (GSIA).

Opening the conference will be a panel discussion of the problems of cities, featuring Alfred Blumstein, director of the Office of Urban Research and a member of the Research Council of the Institute for Defense Analyses, and Herbert Simon, associate dean of GSIA, and R. K. Mellon Professor of Computer Science and Psychology.



Sen. Proxmire, the luncheon speaker, will talk on "The Urban Crisis." Presently chairman of the Joint Economic Committee of Congress and a member of the Senate committees on banking and currency, and ap-

propriations, he has called for the U. S. ratification of the human rights conventions, sought civil rights in the U. S., and worked on unemployment and farmers' income problems. In politics since 1950, he has also supported truth-in-lending legislation, and one man-one vote apportionment in state legislatures.

The solon, a graduate of Yale University, also holds degrees from the Harvard Graduate School of Business Administration and the Harvard Graduate School of Public Administration.

Dr. Coleman, former professor of economics and dean of humanities and social sciences at Carnegie-Mellon, will lecture on "The Dignity of Man." He came to CMU in 1955 as associate professor of economics following a six-year stay at Massachusetts Institute of Technology, where he taught industrial relations. He was appointed president of Haverford in 1967.

Dr. Coleman



An authority on collective bargaining, public policy, and decision-making in unions and management, Dr. Coleman is a member of the American Economic Association, the Industrial Relations Research Association, and is a former executive of the Ford Foundation.

He was educated at the University of Toronto, and earned M.A. and Ph.D. degrees at the University of Chicago.

Dr. Blumstein, who earned a Ph.D. in operations research at Cornell University as well as degrees in physics and statistics at Cornell and the University of Buffalo respectively, recently directed the science and technology task force of the President's Commission on Law Enforcement and Administration of Justice. He is currently a member of the Council on Research of the National Council on Crime and Delinquency, and earlier was president of the Washington Operations Research Council and chairman of the Cost-Effective-



Dr. Blumstein

ness Section of the Operations Research Society of America. He was principal operations analyst with the Cornell Aeronautical Laboratory before joining the Institute for Defense Analyses.

Dr. Simon, appointed last year to a four-year term on the President's Science Advisory Committee, is widely known for his research in decision making and problem solving processes, using computers to simulate human thinking.

Here since 1949, he received his Ph.D. from the University of Chicago, and has received honorary degrees from universities in this country and abroad. He is a member of the National Academy of Sciences.

Dr. Rapping, who is presently conducting for the Ford Foundation a study of the possible effects of unionism on discriminatory practices in the labor market, will discuss the subject of unemployment. At Carnegie-Mellon since 1962, he earlier lectured at UCLA and San Fernando State College, and was research economist for the Rand Corporation. He has published studies on the impact of unionism on the earnings of unlicensed merchant sailors.

The economist earned his B.A. at UCLA, and his M.A. and Ph.D. at the University of Chicago. He is a member of the American Economics Association.

Dr. Ragone's topic will be housing. Also ALCOA Professor of Metallurgy and Materials Science here, he is presently a member of the panels on building technology and automotive air pollution of the U. S. Department of Commerce Technical Advisory Board. He taught at the University of Michigan from 1952 to 1962, during which time he was named Outstanding Young Engineer by the Engineering Society of Detroit. He also received the Phi Lambda Upsilon Teaching Award.

Former assistant director of General Dynamics Corporation's John J. Hopkins Laboratory for Pure and Applied Science, Dr. Ragone also has served as consultant to various other industrial firms.

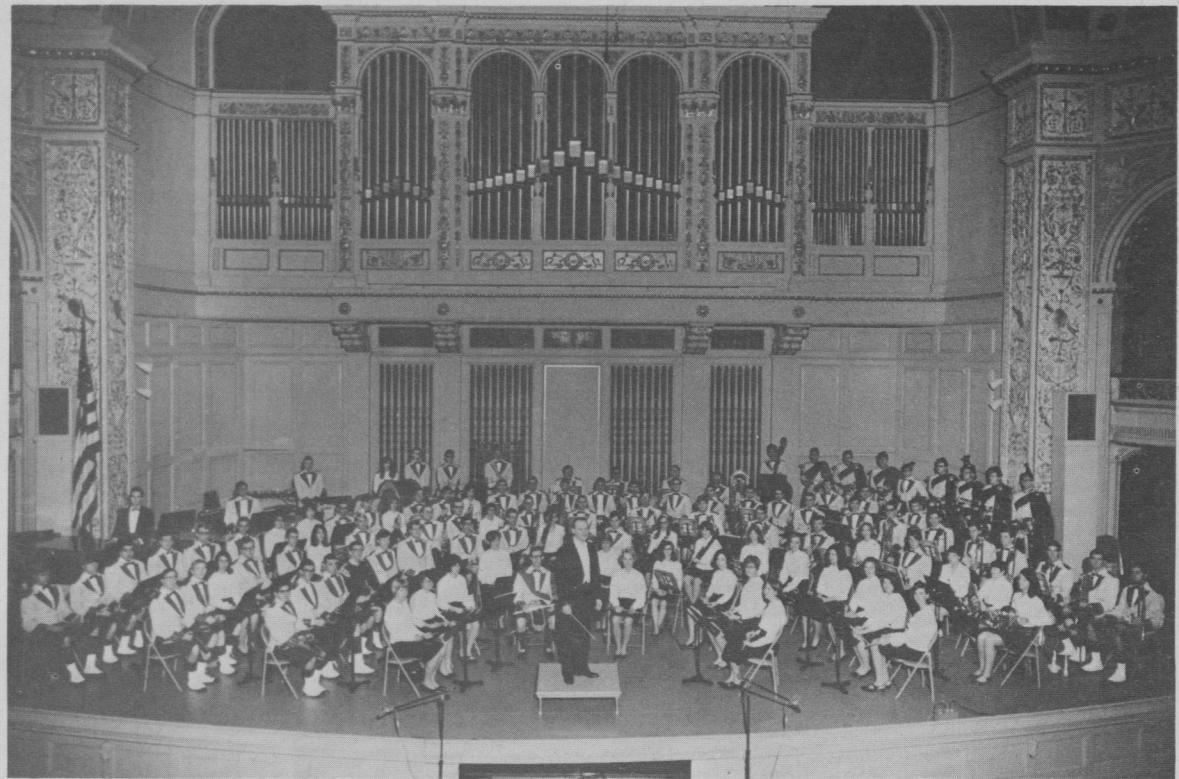
He received his undergraduate and graduate degrees from Massachusetts Institute of Technology.

Details on reservations for the conference, which gets underway at 10 a.m., may be obtained from the Alumni Office.

Page 1 Carnegie Alumni News / February 1969

The *Alumni News* is a quarterly publication published by Carnegie-Mellon University for its many alumni and friends.

Editor.....	Regis J. Ebner
Associate Editor.....	Daniel Small
Class Notes.....	Diane Simons
Contributing Editors.....	Ted Flickinger Roland King
Graphics.....	John O'Connor Vicki Smith
Photography.....	J. Donald Yenick Barbara Runnette
Chairman of Alumni Publications.....	Denton Beal



Kiltie Band to Play In Carnegie Hall

The Kiltie Symphony Band will climax a spring high school tour Sunday, April 13, with a free concert in New York City's Carnegie Hall.

The program will feature selections by famous New York composers. The band will play music by William Schuman, until recently director of New York's Lincoln Center; Vaclav Nelhybel, internationally-known composer and guest conductor with the Kiltie Band at New York's Town Hall in 1967; Carlos Surinach, well-known composer and a visiting professor of music at CMU in 1967; and Leonard Bernstein, music director of the New York Philharmonic.

The concert will include Edward Madden's "Variations on a Theme by Purcell" and "Carnegie Fantasia," a symphonic treatment of CMU school songs especially written by Mr. Madden and given its premiere performance at the 1966 President's Concert.

The Bagpipe Corps will play before and following the band concert.

The Kiltie Band has appeared twice before in New York at the Town Hall, receiving a very favorable review from the *New York Times*.

Founded in 1908, the Kiltie Band has grown from seven to 105 members and includes students from all

departments at the university.

The band has received wide acclaim and welcome over the years in its many tours around the country. In addition to outstanding musicianship, the band is known for the colorful attire of the full tartan dress. In 1965 the Kilties were selected as the feature band at the Music Educators National Conference in Buffalo, New York. Next year the band will play for the College Band Directors National Association.

The Kiltie Symphony Band is directed and conducted by Dr. Richard Strange. Dr. Strange was elected this year to the American Bandmasters Association, an honor presently conferred on only 200 band directors throughout the United States. Dr. Strange, who was recently promoted to professor of music, is president of the Eastern Region of the College Band Directors National Association. He came to CMU in 1961 from West Virginia University, where he was director of bands. He also taught at Texas State College and Boston University, where he earned his doctorate.

Recent alumni of the Kiltie Band have gone on to such top service bands as the U.S. Marine Band, the U.S. Navy Band, the Air Force Academy Band and the First U.S. Army Band in Washington, D.C.

The Carnegie Hall concert is sponsored by the New York Coordinating Council of Carnegie Clans, whose president is Maxwell H. Connan. Coordinators for the concert are Vera Doherty, Aubrey Amey, Chauncey Rapp, and Jackie Connolly.

Stever Makes Report to Nixon

President H. Guyford Stever has submitted his report on science to President Nixon. Dr. Stever was appointed chairman of a task force to prepare a report on science for the incoming administration by Inauguration Day.

The science panel was one of several created by President Nixon to advise him of the important issues facing his administration. Some of the other panels were: space, education, health, transportation, and resources and environment.

The panels were created to specify issues in their fields at all levels, develop and substantiate alternative courses of action, and set priorities of action.

Dr. Stever chose a dozen experts in several basic science fields to work with him on the report. The names of the panel members are not being released. In an interview with *Science* magazine, Dr. Stever said that in forming his panel, he took a "broad view of science" and chose people from physical, life, engineering, social, and behavioral sciences, and from academic institutions, government laboratories and industry.

The reports are not to be made public.



Professor Davis

Associate Deans Named for School of Urban Affairs

Two associate deans have been appointed for CMU's new School of Urban and Public Affairs. They are Otto A. Davis, formerly professor of economics in GSIA, and David V. Ragone, ALCOA Professor of Metallurgy and Materials Science.

Dr. Davis was in the news last year for recommending to a Senate-House economic subcommittee the wider use of computers in determining federal budgets. Based on his own experiments using computers on the federal budgets from 1948 to 1963, he suggested that Congress make full use of similar budgetary analysis methods pioneered in the Defense Department.

A specialist in welfare economics and government

expenditure and taxation, Dr. Davis has also been named professor of political economy. He was appointed a 1968-69 Ford Foundation Research Fellow for research on political economy and studies of government decision processes.

A native of Florence, South Carolina, Dr. Davis came to CMU as an assistant professor of economics in 1960, and was later promoted to associate professor and professor of economics.

He did his undergraduate work at Wofford College, and earned his M.A. and Ph.D. degrees from the University of Virginia, where he was awarded three graduate study fellowships.

Dr. Davis' many professional memberships include the American Economic Association, the American Political Science Association, the Econometric Society, the Operations Research Society of America, The Institute of Management Sciences, and the Royal Economic Society of England. He has written and co-authored numerous articles, as well as book reviews, on economic-political problems of local and national government.

Dr. Ragone brings to his new position a successful and varied engineering background in education and industry, as well as government consulting. His new academic title is professor of engineering.

He came to CMU as ALCOA Professor of Metallurgy in 1967. Previously Dr. Ragone taught for ten years at the University of Michigan, where he was professor of metallurgy before his departure in 1962.

Immediately prior to coming to CMU, Dr. Ragone was chairman of the metallurgy department of the General Atomic Division of General Dynamics Corporation and assistant director of the firm's John J. Hopkins Laboratory for Pure and Applied Science.

As a consultant to the U.S. Department of Commerce, he is a member of the panels on automotive air pollution and building technology of the Commerce Technical Advisory Board.

Dr. Ragone has been a consultant for Dow Chemical Company, General Dynamics Corporation, Conduction Corporation, Ford Motor Company and Crucible Steel Company. He is a member of the board of directors of Energy Systems Incorporated of Boston.

Professional committees on which he has served or is serving include the Electric Car Committee of the Society of Automotive Engineers; the National Seminar Committee of the American Society for Metals, and the Education Committee and the Nuclear Metallurgy Committee of the American Institute of Mining, Metallurgical and Petroleum Engineers. Dr. Ragone is also a member of the American Chemical Society and the American Association for the Advancement of Science.

Dr. Ragone earned his undergraduate and graduate degrees at the Massachusetts Institute of Technology.

In 1957 Dr. Ragone was named the Outstanding Young Engineer by the Engineering Society of Detroit and also received the Phi Lambda Upsilon Teaching Award. While doing his graduate studies at MIT, he was named an American Brakeshoe Fellow, 1951-53. Dr. Ragone has published extensively in professional journals.

The School of Urban and Public Affairs was established through a gift of \$10 million from Lt. General and Mrs. Richard K. Mellon. Their gift was the leading subscription to CMU's three-year \$55 million Fund for Distinction. The appointment of Dr. William W. Cooper as dean of the School was announced in the December, 1968, issue of *Alumni News*.



Professor Ragone

Campus Upheaval: Stress and Its Roots

How do Carnegie-Mellon University alumni feel about campus rebellion? What is the school's attitude? What are some of the causes of the current upheaval in Academe? The questions, of course, are far less complex than their answers.

One alumnus, writing recently that he cannot understand why administrations of private universities such as Columbia accepted "abject defeat and humiliation in the eyes of the public," suggested that administrations "must become more flexible, develop more rapport with and support by student society . . . encourage more administrative participation by students, and be organized and prepared for firm resistance to campus explosion . . .".

His proposal, as it turns out, coincidentally mirrors a description of Carnegie-Mellon's approach to student unrest expressed at a meeting of the Alumni Association last October by Earle R. Swank, dean of student affairs.



Dean Swank

But equally important among Dean Swank's remarks were those which revealed his insights into the philosophical, social, historical and psychological forces which have generated student disturbances and must be reckoned with. Here, in paraphrase and quote, are some of those insights.

Theory: stress occurs when there is an apparent gap between what we are told or what we are directed to do and our own perception of the situation around us. If these stimuli are too much in conflict, we don't know how to respond. Result of the stress: possible neurotic behavior which may even become aggressive or riotous.

All of us recognize that if we feed a computer as raw data both numbers and letters and then program mathematical addition, lights are likely to flash and bells are likely to sound; and if we repeatedly program addition, the computer may either break down or in other ways refuse to function.

There are four sources of stress which may lead to disruptive behavior and are typical of every campus in the country. The first is the "communications gap"—not the kind between the generations, but that which occurs when a student's perception of a university's actions is inconsonant with the administration's descriptions of those actions. Upshot: student distrust.

Universities come on strong as saying that their primary function is to teach. When the freshman comes to campus, however, he may discover that there is very little new learning going on for many students for almost all of the first and second semesters. During that time, then, he perceives that the campus is . . . not offering the stimulating educational experience he expected, and he begins to look for other kinds of things to do.

College catalogs often imply that he will have contact with them (distinguished faculty), and yet he is likely to discover by the time he is a junior or senior that he has had remarkably little contact with the distinguished faculty.

The university, though not a business, often uses the business analogy in trying to communicate its decisions to students. The business model leads students to assume decisiveness and promptness in decision-making by administrators, and implies venturesomeness or risk-taking. Both assumptions by the student seem consonant with the announced role of the university to explore or create new knowledge.

When, however, he asks for decisional action or review, he discovers that the university does not emulate the business model. It often assembles quantifying data only after perceiving the need for them. Although he seldom perceives it fully, the university's capital resources are not tendered to it for adventure . . . hence the university makes decisions conservatively.

The student may then well conceive the university community as essentially dishonest or hypocritical, or even unethical, and use this as justification for similar behavior on his own part.

A second area of stress on the campus comes from the emergence in recent years of a series of moral imperatives. American universities, citadels of pragmatism since the turn of the century, responded to a resurgence of concern for humanistic values in the late 40's by refocusing on the humanities and social sciences. At the same time a religiously-based morality and ethic began to yield to an absolute morality and ethic based on rational grounds. Simultaneously another revolution took place. The "contemporary" was accepted into the curriculum of the humanities and the social sciences for the first time.

When I joined the faculty at CMU in 1948, no course in the English department focused completely on contemporary material, and the works of James Joyce or T. S. Eliot were not the subject matter for whole courses until the middle 50's.

Finally American universities, impelled by the McCarthy scare in the 50's to once again defend their academic freedom, asserted their authority as explorers without limitation of any and all ideas. Under thorough rational analysis, all irrational and incorrect ideas would reveal themselves as irrational, and the university's ability to deal with all ideas was not to be questioned. Now, in the light of the absolute morality which has emerged in our culture, the university and its students believe they have a responsibility to contribute to society by helping to solve its problems. Certainly they feel equipped, especially where contemporary problems and particularly human values are concerned, to carry out what appear to be new moral mandates.

The university has in the last two decades embarked upon whole new disciplines and functions to meet that responsibility.

An anomaly emerges because both students and faculty have perceived these developments . . . as the assumption by the university of a moral responsibility rather than a social responsibility. Therefore they are pressing the university from its position of unassailable authority in the new, absolute, rational, moral climate to take other moral positions: to declare the Viet Nam War immoral; to demonstrate moral commitment about the immorality of all war, and the draft . . . These pressures always assume that the university is invulnerable and not subject to withdrawal of support.

Not all issues stem from a sense of moral commitment or social responsibility. Some aren't issues at all, but simple tests of power. On this campus, it was the choice of color for furniture. Tests of power sometimes backfire a bit. It's uncomfortable for a student to tell his peers that the bad choice was his, and through him theirs, and that it can't be an issue.

But a power struggle in the academic community is different. Faculties, after a period during which they were content to let the university administer itself, again want to participate in decision making. Students, too, want a greater say on matters of university destiny. Power struggle is stress; it is unrest.

Students, after Columbia, are now fully aware that they can bring a university to its knees. They can. Students are also aware that if they do, they ultimately lose. Hence they are engaged in a delicate

balancing of power sufficient to make them an influence, though not sufficient to trap them into complete and ultimate responsibility for the university's affairs. If they don't manage the balance well, as at Columbia, they destroy the university, at least for a time. If they overplay their hand they get too much responsibility and power, and they can no longer manipulate it in a useful learning process, but must cope with it irrevocably. And those stakes are too high for most students.

What's behind our youths' struggle for fuller participation in a university's decision-making processes?

Item: This generation grew up during the struggle for the extension of individual rights, especially in the civil rights movement.

It also grew up under prodding to commit itself to causes and issues and to reject apathy, which was our polite term for preoccupation with selfish goals.

Item: This generation grew up in a period which placed high value on youth and which brought them recognition by industries and advertisers as a potentially rich market which should be catered to. What's more, projections "ad nauseum" that 50% of our population will be under age 25 by the end of this decade imply that this group has been disenfranchised.

As a result, this generation of students is certain that it is important, that it is capable of making useful contributions to its culture, the college, and that it is reasonable for it to become involved. It simply places a price on its involvement. The price is representation, participation in decision making, and ability to effect change.

One element is certain. It is the psychological change which a student undergoes during his college years. It is a period of maturation between the ages of 17 and 21 which is said to be critical because of the need to establish a sense of adequacy, sexual role, and independent identity. The identity crisis is particularly acute.

He is normally away from his own community and cannot use pieces of the old identity in constructing the new. He is especially threatened by any action of the university which seems to treat him simply as part of a mass. The student number is a threat. The punch card and ID substitute acceptance of a piece of paper for acceptance of him; the name on a seating chart confirms his suspicion that nobody knows him, or cares about him. The insistence by student leaders that they be dealt with in person by the decision maker or group is, in part, an expression of concern that identity not be denied.



To reassure students of their identity, Carnegie-Mellon administrators are making more personal contact available at every level. Multiple approaches to the dissemination of information are being attempted. Efforts are being made to drop the analogy to corporate behavior. The university is dealing with the problem of moral imperatives, although it has not yet found the means to communicate a distinction between its actions based on social responsibility and those the students would like it to take out of moral responsibility. Creation of a faculty senate is intended to alleviate the stress of a power struggle, and eliminate fragmentation of the University community.

I am convinced that there is still contact at this university between students, faculty, and administration. That fact, perhaps more than any other, gives us a chance to work out our problems before they become acute.

Student Billiard Match Aids Hospital

Approximately \$750 was raised for Polk State Hospital in a recent benefit pool marathon staged by Delta Gamma sorority and Phi Kappa Theta fraternity. Mayor Joseph Barr officially began the marathon, which was televised locally by WTIC and shown on several NBC stations outside the Pittsburgh area. The benefit was held in the lobby of the Hilton Hotel.

Just for the record, the fraternity brothers squeaked out a narrow 9,201 - 9,116 victory over the Delta Gammas in the two-week, 'round-the-clock marathon.



Key to the fund-raising aspect of the call pool clash was a fee-substitution rule. This worked somewhat like the free substitution rule in intercollegiate football, with the added wrinkle that the substitute had to make a donation before entering from the sidelines. But then, the pay-for-play substitute had his choice of sides.

Most of the subs did the gentlemanly thing. One sorority replacement was so gentlemanly he ran 150 straight balls for them. Another outstanding sub for the sorority was a girl from Slippery Rock State College attending a physical education convention at the hotel. Her uncanny shooting had the fraternity brothers shoot till they got the bright idea of betting on her. Many innocent Hilton guests quickly became pay-for-watch-the-play spectators, and the donation coffers swelled even more.



The largest corporation donation was \$100 from PPG Industries.

The fund-raising was co-directed for Phi Kappa Theta by Glen Smith, who reported that the students clocked 1,500 miles driving between the school and hotel during the two weeks. Sue Rickley was in charge for the Delta Gammas. The idea for the fund-raising marathon grew out of a visit to Polk Hospital by fraternity brothers Ron Valle and Larry Long on a field trip in their psychology class.

Scientists After Improved Body Implant Materials

Carnegie-Mellon University scientists are working on a better material for use in artificial heart valves and related circulatory assist devices.

Researchers headed by Robert L. Merker, senior fellow at Mellon Institute, are altering the chemical structure of silicone rubber to improve its strength and reduce its blood-clotting tendencies.

"The results to date are very encouraging," said Mr. Merker.

Silicone rubber is a polymeric material which, except for its present deficiencies, is said to be the most satisfactory for body implants designed to correct circulatory malfunctions. It does not appear to affect body tissues or generate body reactions even after many years of implantation, according to Mr. Merker.

He said that some other polymers and plastics, from which prosthetic implants have been made for many years, may irritate tissues, stimulate the growth of abnormal cells, deteriorate rapidly under the attack of enzymes, or fail because of excessive bending or "exhaustive flexure."

The scientists are developing processes by which silicas used as reinforcing agents in silicone rubber are "heparinized," making blood less susceptible to clotting as it flows in contact with the material.

Heparin is a chemical compound used in medicine and surgery to prevent the coagulation of blood.

Silicone rubber prosthetic devices in which surfaces simply have been coated with heparin have been impractical because the anti-coagulant effect is short-lived on contact with blood.

Aiding Mr. Merker in the project are Liberty J. Elyash, fellow at the Institute, and W. C. Wang and Susan H. Mayhew, research assistants.



Drama Department Seeks Twelve Students For New Dance Course

Carnegie-Mellon University embarked on a nation-wide talent hunt last month to recruit its first class in theater dance.

The drama department of the College of Fine Arts scheduled auditions in six major cities across the country Jan. 27 through March 1 in search of 12 talented students for a new four-year course in dancing and acting.

The course, slated to begin next September and leading to a B.F.A. degree, will be coordinated by Paul Draper, noted American dancer and Andrew Mellon Professor of Drama here.

The aim of the new program is to develop the talents of students interested in becoming professional performers in musical theater and dance drama, according to Earle R. Gister, head of the drama department.

The curriculum will include four years of dance instruction, and courses in the history of theater and dance, choreography, the uses of sound for dance, music analysis and rhythm, and special dance projects. Students will also study acting, voice, and speech, and participate in productions directed by faculty members and fellow students.

"But emphasis will be on providing the student with the means of exploring and extending that area of the theater in which the moving body—with or without sound, music or words—becomes an instrument of expression and communication," says Prof. Gister.

Auditions were held in New York City, Jan. 27; Chicago, Feb. 9, and were scheduled for Pittsburgh, Feb. 17; San Francisco, Feb. 23; Los Angeles, Feb. 24, and Dallas, March 1.

A limited number of scholarships are available to students who are accepted but require financial assistance.



Editor Asks...

How Much Commitment?

In the last issue of the *Alumni News*, this column examined some of the positions being taken by leading educators on the question of a university's involvement in or isolation from society.

As the deadline approached for this issue, I found myself looking through the galleys hoping for inspiration for my quarterly "words of wisdom." Failing in that pursuit, I did find something which, while perhaps not inspirational, is at least, I think, interesting.

Reading headline after headline I was suddenly struck by the number of stories reflecting some kind of commitment or involvement on the part of students, faculty, administration, and alumni. While this involvement is not well defined or structured, it is, nevertheless, real, and I think worth talking about.

One example, although one not chosen by the University, is the current battle with the City of Pittsburgh over the proposed institution tax. The tax, if upheld, could set a precedent for an entirely new relationship between non-profit institutions and governmental agencies throughout the United States. The answer may well be for non-profit institutions to propose an alternative plan of "paying" for services, but in any event the potential ramifications of the tax will, in one way or another, affect the traditional relationship of educational institutions and taxing bodies.

An example of more voluntary commitment on the part of students can be seen in the stories on educational, yet practical, projects dealing with the problems of the cities and with the possibilities for computerized police and fire protection. And of course a two-week billiards marathon to raise funds for an institution for mentally retarded persons is involvement on a most human level.

Faculty members in the education center are concerned with problems in the city high schools, while CMU's Upward Bound program has provided an opportunity for many poor and under-motivated children to attend and successfully compete in American colleges and universities.

Another story talks about a scientist in search of better body transplant materials, while the scope of topics in the public forum series indicates the breadth of information being made available to the university community.

The Alumni Association, which recently sponsored a provocative conference on Ghetto Education, is devoting the Carnegie Conference in March to a thorough look at the multi-faceted problem of social unrest and the dignity of man.

Other national involvement reflected by stories in this issue includes, of course, Dr. Stever's service to the President as Head of the Science Task Force.

On a community level, the drama department will shortly test the atmosphere for professional resident theater in Pittsburgh, while the music department's Composer's Forums annually bring first rate artists to the City.

The point of all this is clear. Universities are and must be involved in our society at all levels, or face the prospect of becoming static outposts of obsolete information.—rje

Page 4 Carnegie Alumni News / February 1969

Cameron Choir Hits D.C. in January Tour

The Cameron Choir conducted a successful concert tour of two states and the nation's capital last month.

Directed by Donald Wilkins, associate professor of music at Carnegie-Mellon, the choir performed for high school students, alumni, and other groups in Pennsylvania, New Jersey, and Washington, D.C., Jan. 28-31.

On Jan. 28 the vocal group sang at York Suburban High School, York, Pa. The same day they entertained at a dinner meeting of alumni in the Princeton, N.J. area. The concert was held at the Palmer Motor Inn.

The following day the choir remained in the Princeton area, performing at Ewing High School, Hopewell Valley High School and, on Jan. 30, at James Caldwell High School.

On Jan. 31 the choir appeared in an evening concert at the National Shrine of the Immaculate Conception in Washington, D.C.

The Cameron Choir is composed of Carnegie-Mellon students who enjoy singing for relaxation, entertainment, and a broadening of educational opportunities. The students are from almost every college at Carnegie-Mellon. Their repertoire includes contemporary and traditional sacred music, folk songs, and spirituals.

Mr. Wilkins, who has led the choir in performances in Baltimore, Boston, New York City, Philadelphia and other cities, is also organist and choirmaster of Calvary Church, founder and director of the Pittsburgh Oratorio Society, and former organist and choirmaster of the American Cathedral, Paris.

He earned his bachelor's degrees in music and music education at Carnegie-Mellon, and a master's degree at Harvard University. He also studied at the American Conservatory, Fontainebleau, France, the Paris Conservatory, where he won first prize, and at the Chigi Academy in Siene, Italy.

Luncheon Forums Present Variety of Topics

President H. Guyford Stever spoke on "The Work of the President's Science Advisory Committee" at the Feb. 20 Thursday Luncheon Forum. Dr. Stever was chairman of this *ad hoc* committee, which reported to President Nixon on science problems facing the incoming administration and recommended policies for handling them.

The Feb. 20 forum was the third in the Thursday Luncheon Forum series held Feb. 6 through May 8 in the Wherrett Room, Skibo Hall, from 12:30 to 1:30 p.m. Sponsored by the Campus YM-YWCA, the meetings are free to the public and include open discussion sessions following addresses by the guest speakers.

Subjects to be discussed in this spring's series include Pittsburgh politics, race relations and several topical issues concerning college students. Other speakers scheduled are Pittsburgh Safety Director David W. Craig and Pittsburgh City Councilman Peter Flaherty.

The forum schedule:

- Feb. 27 Program to be announced.
- Mar. 6 "Black Entrepreneurship and Its Sources of Support." Robert Lavelle, realtor and founder of the Dwelling House Savings and Loan Association.
- Mar. 13 "The Cops and the Colleges." David W. Craig, Pittsburgh public safety director.
- Mar. 20 "Education or Indoctrination?" Mrs. Marjorie

B. Provan, of the Parents to Protect Our Youth from Propaganda, Brainwashing and Subversive Textbooks in Our Schools.

Mar. 27 "The Proposed New Freshman Curriculum in Engineering and Science." Richard A. Moore, professor of mathematics and chairman of the engineering and science freshman curriculum committee.

Apr. 10 "No Time for Youth" (based on the book by Joseph Katz). Robert M. Morgan, associate professor of psychology and director of the CMU Counseling Center.

Apr. 17 "Pittsburgh Politics 1969 Style." Pittsburgh City Councilman Peter Flaherty.

Apr. 24 "The Negative Income Tax." Richard M. Cyert, dean of the Graduate School of Industrial Administration.

May 1 "Drugs in the Student Culture." James H. Korn, assistant professor of psychology, with a student panel.

May 8 "Since Martin Luther King..." Professor Ronald R. Davenport, of the Duquesne University School of Law and president of the Pittsburgh Urban League.

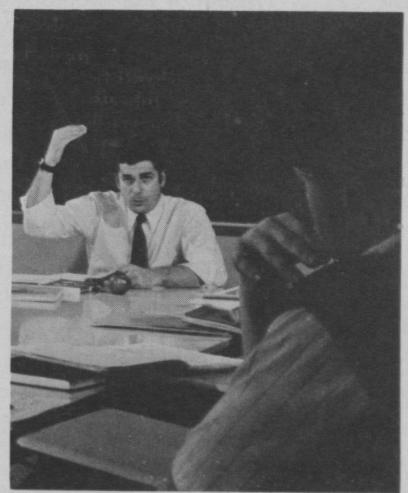
On Feb. 6, George Madaras and Gary Aiken, SDS leaders at CMU discussed "The Philosophy of Students for a Democratic Society," and the following week, William W. Cooper, dean of the School of Urban and Public Affairs, talked on "Developments in the New School of Urban Affairs."

Humanities Professor Takes Post with Office of Education

An associate professor of history and fine arts has accepted a faculty leave appointment as a senior humanities specialist in the U.S. Office of Education.

Martin Engel, a faculty member since 1962, will take an 18-month leave of absence, effective February 10, to work with the Office of Education's arts and humanities program.

Dr. Engel has had considerable experience developing and implementing curricula in the fine arts and humanities. As an instructor at Syracuse University, he created and taught an adult seminar in twentieth century arts. Moving to Wayne State University, Dr. Engel helped devise and teach a humanities curriculum, and also developed an arts study curriculum and a humanities program in the Division of Adult Education at Wayne State as well as the University of Michigan.



In addition to teaching, Dr. Engel has worked on curriculum development for the College of Fine Arts and the department of history. At present he is developing programs in automated teaching, and non-verbal cognition and communication.

Among various consulting assignments, Dr. Engel has worked with TIME-LIFE's text division and the U.S. Office of Education. He has written many articles for professional publications, and has created a series of sound film strips being produced by Prentice-Hall.

Dr. Engel received his B.A. and Ph.D. from Syracuse University, and his M.A. from Harvard University.



High School Students In Scientific Research Here Next Summer

Twenty-four exceptionally able high school students will come to Carnegie-Mellon University next summer for a taste of professional life in scientific research.

The youths, who are expected to be drawn largely from the 11th grade in schools around the country, are being invited to participate in a pre-college science training program June 23 through August 15.

The eight-week program, financed by a \$9,188 grant from the National Science Foundation and directed by David S. McKinney, professor of chemistry, will involve the students in various science and engineering research projects conducted by faculty members and graduate and undergraduate students.

Applicants will be selected on the basis of academic achievement, career goals, and accomplishments in the area of special science projects.

"Those who have displayed scientific curiosity, inventiveness, initiative, and thorough work habits will be favored," Dr. McKinney said.

"One of the important purposes of the program," he added, "is to give these youngsters an appreciation of the nature of professional life in research in all its aspects. Housing in a common dormitory, common eating facilities, desks in common offices, close contact with various members of research groups, and visits to various projects are helpful in developing such an appreciation."

Specific objectives of the program, he said, are:

- To interest students in professional careers in pure and applied science.
- Develop a spirit of scientific inquiry, including the capacity to formulate objectives.
- Provide training and experience in experimental methods.

• Develop understanding of how man's knowledge of the physical world and his ability to apply it usefully are advancing, and to encourage interest in the "frontiers" of pure and applied science.

The high school students will work on individually assigned investigations which are part of or related to research projects already underway in the departments of civil engineering, electrical engineering, metallurgy and materials science, and chemical engineering. In addition to exercising their skills in chemistry, physics, and mathematics, they will gain experience in computer programming and the use of high speed digital computers.

Classes will also be conducted. Lectures and seminars will be either directly related to the students' special interests or concerned with broader scientific problems and research.

High school sophomores will be considered for the summer program, but graduates are not eligible.

Engineers Tackle City Problems Course

CMU seniors in mechanical engineering this year are learning engineering design under "real-life" conditions. Following the success of a similar course last spring, the students are working out design problems within the context of a broad, complex theme. The theme for this year's program is Problems of the City, with special emphasis on the ghetto.

The program has two phases. In a senior seminar course this past semester, the students did preliminary research and reports on non-technical aspects of the general theme. The students were encouraged to choose seminar topics which would acquaint them with design constraints in an urban area. Some topics used in the fall seminar were: Northside Stadium vs. Center for the Arts; Sewer and Water System Costs; Techniques in Riot Control; and What Happened to the Panther Hollow Project?

For their spring semester design course, the students will narrow down the problem area and work out design projects dealing with specific problems evolving from their studies of the city in general. Such projects might be: Technological Aspects of Low-cost Housing; Applications of New Technology to Fire Control and Prevention; and Applications of Technology to Crime Detection and Prevention.

Experts from industry, government and other universities will be brought in as guest lecturers to discuss various aspects of relevant problems. Because of the importance of the theme, these lectures will be publicized and open to the university at large.

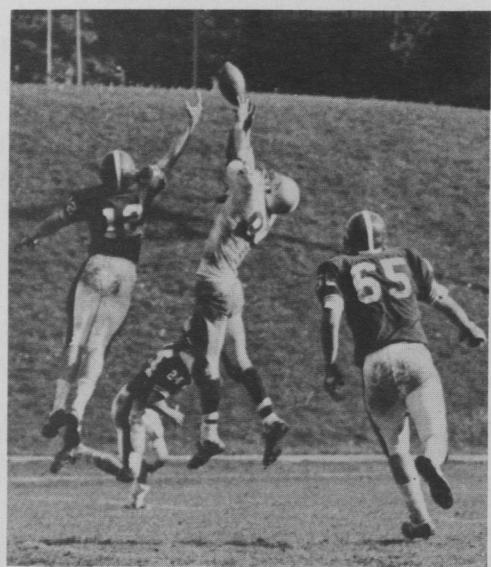
The department feels this type of unstructured course offers several benefits to the students. It gives them a more balanced exposure to the engineering sciences, providing them with problems subject to various types of economic, social and technical constraints requiring trade-offs between various disciplines. The students have more opportunity to develop and exercise their creative ability. The students learn under conditions similar to those they will encounter as practicing engineers, and they are required to perform many of the functions they will normally perform when working in a professional capacity.

Since the program is carried out with sponsors from private industry and government, other advantages accrue. Sponsors and the University are able to work together on problems of mutual interest. The students make personal contacts in the sponsoring agencies, and the agencies have access to fresh ideas and approaches to various problems.

One of the companies which is sponsoring the Problems of the City project is TRW, Inc., of Cleveland, Ohio, which has appropriated a \$2,500 grant.

The project is under the direction of S. William Gouse, Jr., professor of mechanical engineering, who is being assisted by John C. Purcupile, senior research mechanical engineer, and Stanley W. Angrist, associate professor of mechanical engineering. Approximately 60 senior mechanical engineering students will be involved in the project.

Last year the area chosen for project study was intercity transportation. The students designed a prototype aircraft combining elements of a dirigible, an airplane and a hovercraft, which was favorably evaluated here in the spring by visiting aeronautical experts and transportation specialists from federal and private agencies.



CMU Athletic Teams Having "Fair" Year

Carnegie-Mellon University's three fall sports inter-collegiate athletic teams all ended up on the winning side of the chart, but the winter sports teams are currently not enjoying as much success.

Head Coach Joe Gasparella's football team was the only winning eleven in the City as it compiled a 4-3-1 record, including major upset victories over Franklin & Marshall and Allegheny, neither of whom lost another game this season.

Two seniors who were four-year standouts for the Tartans were named to the All-District team. Larry Getto, a 6', 215-pound design major from Brooklyn, and Joe Chernay, 6', 185, split end and free safety, from Cleveland, were both honored for their fine play. Other seniors contributing to the fine season were halfbacks Ken Batorski, Cheshire, Conn., and Dave Thomas, Oakmont, Pa. Linebacker Ron Horn, Garrett Park, Md., a four-year letterman, and defensive end Terry Stalker, Des Moines, Iowa, will also graduate in 1969.

The season's most surprising results came from the

soccer team in its first year of varsity intercollegiate competition. The team compiled a fine 5-3 record, led by seniors George Bedo, Mt. Lebanon; Sam Weiner, Pittsburgh; John Shu Loong Cheng, Hong Kong; Luis A. Rosanes, Caracas, Venezuela; James H. Eisenman, Bethany, Conn.; and Donald Hart, Hershey, Pa. The team was coached by Joseph Kruth, former University of Pittsburgh player.

For the eighth consecutive year the cross-country team had a winning season finishing with a 6-3 mark. Four seniors, including co-captains Donald Baer, Youngstown, Ohio, and Bernard Flynn, Verona, Pa., were on that squad. Others graduating this year are Thomas Burkman, McKeesport, Pa., and William Bullers, Jr., Punxsutawney, Pa. The Harriers were coached by John Trezise.

None of the three winter sport teams are currently enjoying winning seasons however. Coach Dale Schirr-



macher's rifle team has a 5-6 mark as the *News* goes to press. Moe Fassinger's basketball team has won 5 and lost 10, and coach Jack Trezise's swimming team is winless in eight starts.

The varsity athletic teams' cumulative record for 1968-69 is 24 wins, 32 losses and one tie.

Pittsburgh Colleges Test Institution Tax Legality

The City of Pittsburgh has proposed a 6-mill tax on the gross receipts of non-profit institutions, which has met not only with the expected resistance but with prompt legal action by the Pittsburgh Council on Higher Education. The Council, which includes the presidents of CMU, Pitt, Chatham, Duquesne, and Mt. Mercy, has petitioned the State Supreme Court for a ruling as to the validity of the tax.

The tax bill was brought up and passed by City Council in December without consultation with any of the colleges or other institutions, and during early "protest meetings" with City officials, university officers found some confusion about the exact provisions of the bill and the amounts expected to be realized from it. Discussion, however, seems to have established that the tax is to be on gross receipts from "services rendered," which is to say tuition, dormitory rental, food service, and research contracts other than governmental contracts. Gifts and grants seem to be exempt. Best estimates are that the tax could cost CMU approximately \$100,000 per year or, for example, the return on \$2,000,000 of endowment.

Edward Eddy, president of Chatham College and chairman of the education council, has stated that the increased costs resulting from the tax will probably have to be passed on to the students in the form of increased tuition and rents. The City responded by saying that this would represent a boost of only about \$2 for Pitt students, and about \$18 to \$20 for CMU

and Chatham students. As the Mayor said, "What would so little money mean to a girl coming here from Westchester County?" As a matter of fact, most City Hall observers believe that the City welcomes an opportunity to tap non-residents who do any kind of business in the City. Councilman Philip Baskin, whose finance committee brought out the bill, says that the colleges and universities have been freeloading too long already. Chancellor Posvar, of Pitt, responded that the universities are no more freeloaders than are the police and fire departments. Although perhaps hyperbolic, the Chancellor's statement has a good bit of truth to it—the provision of education for citizens has always been considered a vital service to the nation, and is in fact the reason why the institutions were tax exempt in the first place. It has also been pointed out that Pitt is the second largest employer in the County.

Unfortunately, none of this helps solve the City's sore financial straits. Too long neglected by Harrisburg, with declining tax rolls as the higher income residents emigrate to the suburbs, and with over 30% of its area exempt from real estate taxes, the City like most other cities faces monumental demands for improved social services, higher wages for City employees, increased fire and police protection, and for an unequal share of County expenses. As the *News* goes to press, Councilman Baskin proposes to review all real estate tax exemptions of non-profit institutions and the various City "authorities." db

Professor Jordan



New Head Named For Electrical Engineering

Angel G. Jordan, 38-year-old professor of physical electronics at Carnegie-Mellon University, has been named head of the electrical engineering department.

Dr. Jordan, whose appointment is effective immediately, replaces Everard M. Williams.

Dr. Williams has retired as head of the department, although he will remain on the faculty. He has held the top post in the department since 1953.

Dr. Jordan, a native of Pamplona, Spain, has taught here since 1956, when he started as an instructor in electrical engineering. He subsequently served as assistant professor and associate professor, and was appointed full professor in 1966. During 1958-59 he was a research fellow at Mellon Institute.

Before joining Carnegie-Mellon he was assistant professor at the University of Zaragoza, Spain, and assistant professor of electronics at the Naval Ordnance School of Madrid.

He holds an M.S. in physics from Zaragoza, and earned his M.S. and Ph.D. in electrical engineering at Carnegie-Mellon.

A specialist in the fields of semiconductors, solid state physics and electronics, he has been published widely in professional journals. He is a senior member of the Institute of Electrical and Electronic Engineers, and a member of the American Physical Society and other engineering and scientific groups and fraternities.

Dr. Williams, who also has been chairman of the Applied Space Sciences Program at Carnegie-Mellon, has taught here since 1945.

A pioneer in programmed learning using teaching machines, he also holds many important patents in radio and radar.

He has served on NASA's Research Advisory Committee on Communications and Data Processing, and during World War II received the President's Certificate of Merit for "outstanding fidelity and meritorious conduct in aid of the war effort."

Dr. Williams earned his B.E. and Ph.D. at Yale University.

Professor Williams



Mellon Institute Adds Two Scientists

Two scientists from Italy recently joined Mellon Institute.

They are Dr. Anna Laura Segre and Dr. Natale Neto.

Dr. Segre, here on a fellowship from the Academy of the Lincei, Rome, will work with Dr. Salvatore M. Castellano, senior fellow at the Institute whose group is conducting studies of liquid crystal systems.

Dr. Segre received her doctorate in physics at the University of Milano, and was a researcher of the Italian Consiglio Nazionale delle Ricerche at the Institute of Industrial Chemistry of the Politecnico of Milano.

Dr. Neto is also a researcher of the Italian Consiglio Nazionale delle Ricerche and has been a lecturer in chemistry at the University of Napoli. He received a NATO fellowship and will conduct research in physical chemistry with a group headed by Dr. Robert M. Hexter, professor of chemistry and senior fellow.

Neto has worked mainly in the field of molecular spectroscopy.

He is married and has two children.

Nicolas Nabokov



Composers Forums Feature Nabokov, Kubik and Escot

Three U.S. composers—two of them emigres from Russia and Peru—were featured at Carnegie-Mellon's annual series of composers forums this month.

They are Russian-born Nicolas Nabokov; Pozzi Escot, a native of Peru, and Gail Kubik.

The composers discussed trends in modern music after performances of their own works by music department faculty members at Carnegie Lecture Hall here Feb. 13-16.

Virgil Thomson, Pulitzer Prize-winning composer and former Visiting Andrew Mellon Professor of Music here, coordinated the programs.

Mr. Nabokov, former professor and head of the departments of music at Wells College, St. John's College, and Peabody Conservatory, has written numerous compositions, including three symphonies, operas, and the American ballet, *Union Pacific*.

Born in Russia in 1903, he emigrated to America in 1933 following periods of study in Germany and France. He holds two degrees in the humanities from the Sorbonne.

He has held various cultural posts with the U.S. government, and is the author of a biography of Igor Stravinsky.

In addition to being featured at the forums, Mr. Nabokov was guest speaker at a student-faculty convocation. He lectured on "The Plight of Music Education."



Gail Kubik

Gail Kubik, who was born in Oklahoma in 1914, is widely known for his compositions for radio and films, including the score for the 1951 Academy Award winner, "Gerald McBoing-Boing." Among his other works are four symphonies, a folk opera, and various choral and chamber pieces.

He studied with Bernard Rogers at the Eastman School, Leo Sowerby at Chicago, and Walter Piston at Harvard, and has taught at the University of Southern California, Columbia Teachers College, and other schools.

He has lectured throughout the U.S. and Europe, and has received numerous honors for his compositions, including the 1941 Jascha Heifetz Award, and two Guggenheim Fellowships.

Pozzi Escot, 35-year-old native of Lima, Peru, is on the faculty at the New England Conservatory of Music, Boston. She has written three symphonies, a ballet, and various chamber, choral and piano pieces, and has lectured on contemporary music in South America, Europe and the U.S.

Pozzi Escot



Winner of the first prize in a music competition sponsored by the U.S. Information Agency in Lima in 1955, she was named laureate composer in Peru the following year. She also won the City of Hamburg Award in 1960, held fellowships at the MacDowell Colony during 1962-65, and currently is Scholar of the Radcliffe Institute.

The young composer received bachelor's and master's degrees from Juilliard School of Music, and studied at Staatliche Hochschule fuer Musik in Hamburg, Germany.

The forums, held annually since 1961 by the Carnegie-Mellon music department, are financed by grants from the A. W. Mellon Educational and Charitable Trusts, the American Federation of Musicians, Local 60-471, and the Howard Heinz Endowment.

Radio Campaign Gains Nation-wide Exposure

"Planning on college? Here's a hint from Carnegie-Mellon University . . ."

That line is now being heard on radio stations across the country through a public relations radio campaign launched last summer.

As part of an expansion of public relations activities in the broadcast media, the P.R. department last June developed a series of radio announcements aimed at the high school student planning on college. The spot announcements provide such basic information as the criteria a college uses in evaluating applications, the forms of financial assistance available to college students, factors to consider in deciding on a career, and the ways a student may fulfill his military obligation while continuing his education.

Mailed out monthly to radio stations, the spot announcements qualify as public service programming, and as such, are run free of charge by the participating stations.

Over the past seven months the list of stations carrying the spots has grown to 152, with new stations being added every week. The list presently encompasses outlets in such diverse cities as Pine Bluff, Arkansas and Los Angeles, California. Currently participating in the campaign are stations in 41 states—including two stations in Alaska and three in Hawaii.

Based on the success of this initial radio effort, plans are being made to develop broadcast services further with the addition of radio production equipment.

English Department Presents 21st Lecture Series

Ethnic influences on the American novel in the 20th century is the subject of the three final lectures in this year's annual department of English lecture series.

Professor Granville Hicks Jones discussed the conventional novel as typified by Henry James on Tuesday, Feb. 18. Mr. Jones is an assistant professor of English, specializing in 20th century American literature. He received his B.A. from Baylor University and his M.A. at Columbia University. An instructor in the English department from 1960 to 1964, he rejoined the department in 1966.

The influence of Black writers will be discussed Tuesday, Feb. 25, by Dr. Russell C. Brignano, assistant professor of English. A specialist in modern literature, Dr. Brignano did his doctoral study on Richard Wright, the well-known Black author. He joined the department in 1966. He earned his B.A. at Dartmouth College and his M.S. and Ph.D. degrees at the University of Wisconsin.

Dr. Lois S. Lewin, assistant professor of English, will appraise the impact of Yiddish writers Tuesday, March 4. Dr. Lewin, who did her doctoral work on Bernard Malamud and Saul Bellow, completed her undergraduate and graduate studies at the University of Pittsburgh. After serving as a lecturer and teaching fellow at Pitt, she joined the CMU faculty in 1965.

The lecture series opened in December with two Shakespearean lectures. Dr. A. Fred Sochatoff, prominent classical and Shakespearean scholar, lectured on *Troilus and Cressida*, and Dr. Robert C. Slack, professor of English, discussed *The Comedy of Errors*. The lectures were given in connection with the presentation of the same plays by the CMU drama department.

The lectures are free to the public and are held on the announced dates at 11:30 a.m. in the auditorium of the Graduate School of Industrial Administration.



Upward Bound Grads Enroll in College

CMU's Upward Bound program, although relatively new, is already showing definite signs of success. Over 85% of last year's program graduates enrolled in college this past fall. This is better than the 80% national average for Upward Bound grads and considerably higher than the 65% average for high school graduates throughout the country.

Director Lester F. Jipp reports that 62 Pittsburgh high school students are now enrolled in the CMU program. He hopes to increase the number of students to 80 next semester and is planning to increase the scope of the entire program next year. A total of 128 students have completed the Upward Bound program at CMU in its first three years, including 38 grads who began their work in CMU's own program, SCOPP (School-College Orientation Program Pittsburgh).

Upward Bound, now in its fourth year, is the national program under the Office of Economic Opportunity to help intelligent, disadvantaged students go to college. CMU, operating under a \$145,000 grant from OEO, is one of some 300 colleges and universities in the OEO program.

The first step in the program, according to Mr. Jipp, is to identify high school students who qualify. These students must have college potential, be from low-income families and be performing poorly in school. Students are referred to the program through teachers, school counselors and social agency workers, who have been previously acquainted with the program by the program directors.

In Pittsburgh there is an Upward Bound consortium of three universities, under the direction of Mr. Robert Cook, vice principal at Fifth Avenue High School. Other institutions having Upward Bound programs in Pittsburgh are the University of Pittsburgh and Mt. Mercy College.

Students accepted into the program receive an intensive enrichment program to prepare them and get them admitted to college. There are three aspects to this preparation: academic, counseling, and cultural.

In the summer the students live on the CMU campus for six weeks, attending classes and participating in cultural-recreation activities. Next summer this will be changed so that students will be dividing their time between classes and jobs to help pay for their college education.

During the academic year they attend classes at CMU on Saturday mornings. In addition to basic classes in English, mathematics and social sciences, the students, thanks to the voluntary cooperation of many of the CMU faculty, have small classes in areas of special interest or fields in which they plan to major in college.

An extensive tutoring program gives the Upward Bound students even more individualized instruction in their schoolwork. A CMU course in Tutorial Techniques, started this past semester largely through the efforts of a CMU student, Lynda Vogel, has been integrated with the Upward Bound tutoring program.

Upward Bound students receive thorough counseling on both career matters and the complicated procedures of getting admitted to college. CMU also pays, through the OEO grants, for many of the initial admission fees. Students are also acquainted with the availability of scholarships.

The students are encouraged to broaden their cultural horizons. Tickets for various plays and concerts in the city are obtained, and periodically tutors or faculty members take the students to cultural events. Further, through the associations and informal contacts the students make at CMU, they become familiar with life on a college campus.

Programs to help underprivileged students get to college have been operating at CMU for five years. The first program in 1964 was SCOPP, which was superseded in 1966 by the national Upward Bound program.

Mr. Jipp notes that the success of graduates from previous years at CMU has been very similar to that of the national Upward Bound picture. About 80% of Upward Bound students across the nation go on to college, and their record so far for staying in school is around 75%.

Mr. Jipp



Of the 62 students presently enrolled in the CMU program, 39 are high school seniors and 23 juniors. Sixteen juniors are to be added this coming semester.

The staff consists of a teaching faculty of six, plus an assistant director, a counselor and a culture-recreation director. The staff is drawn from the Pittsburgh public schools and CMU. John H. Sandberg, associate director of the CMU Education Center, is the program coordinator for CMU. Although not an official member of the staff, Erwin R. Steinberg, dean of Margaret Morrison Carnegie College, has been a very influential force in the success of the program.

Asian Experts Speak On Communist China

Two distinguished experts on the Far East are presenting provocatively contrasting views on Communist China to CMU audiences this month.

Mark Gayn, noted foreign correspondent for the *Toronto Star*, and Dr. Richard L. Walker, prominent scholar of international affairs and U.S. Government consultant, are delivering separate lectures on the common resolution, "Communist Chinese Aims Are Unlimited."

Mr. Gayn spoke Feb. 18 and Dr. Walker will lecture on Tuesday, Feb. 25. Both talks are being given at Skibo Hall at 11:30 a.m. and are free and open to the public.

Among the significant questions the speakers are discussing are: What will Communist China do with the bomb? Is Peking financing student revolutionaries around the world? Who will succeed Mao?

Mr. Gayn has spent much of his journalistic career reporting from communist countries. He is one of the few Western newsmen to have held several lengthy interviews with each of Red China's top three leaders, Party Chairman Mao Tse-tung, Premier Chou En-lai and President Liu Shao-chih.

He made two prolonged tours of communist countries in the past five years. In 1965, on a visit to the Soviet Union and the Far East, he spent a month in Red China talking to communist and Western diplomats, as well as the ordinary citizens. Mr. Gayn made an around-the-world trip in 1964 that included a two-month automobile tour through Eastern Europe and a tour of the Soviet Union from the Urals to the Pacific coast.

After graduating from Columbia University, Mr. Gayn went to China for the *Washington Post*. During World War II he covered Europe for the *St. Louis Post-Dispatch*, *Newsweek* and *Time*. In 1945 he returned to the Orient for the former *Chicago Sun*.

In recent years Mr. Gayn has been an editorial writer and foreign correspondent for the *Toronto Star* and a frequent commentator on communist problems for the Canadian Broadcasting Corporation. His reports are distributed throughout the United States to more than 90 newspapers by the *Chicago Daily News-Sun-Times* Service.

He is the author of several books and has lectured at many American universities.

Dr. Walker is the James F. Byrnes Professor of International Relations and director of the Institute of International Studies at the University of South Carolina. He is a specialist in the history, politics and military strategy of the Far East and has been connected with affairs in that area since World War II.

Dr. Walker has spent considerable time in the Far East. His most recent trips were in the summers of 1967 and 1968 and included visits to Korea, Japan, Taiwan, Hong Kong, Vietnam and the Philippines. While an assistant professor of history at Yale University (1950-57), he was for a year a visiting associate professor of history at National Taiwan University in Formosa. He was the U.S. State Department keynote speaker at the Southeast Asia Treaty Organization seminar in November, 1957, the first international seminar to analyze communist techniques of insurgency and subversion.

During the 1965-66 academic year he was in the Far East as a Fullbright research scholar.

Dr. Walker served in World War II as a Chinese interpreter with the U.S. Army Intelligence in the Pacific theater. He has also served on the faculty of The National War College.

Professor Walker has written extensively on the Far East for all information media.

The lectures are being sponsored jointly by CMU and the World Affairs Council of Pittsburgh. Tickets for luncheons being held in Skibo after the lectures can be obtained from the offices of the World Affairs Council in Kaufmann's Department Store.

TRI Gets Department Of Transportation Grant

The Transportation Research Institute (TRI) of Carnegie-Mellon University has received a grant of \$125,000 from the U.S. Department of Transportation.

The grant, one of several given to transportation studies centers in the United States, is to be used over a period of one year for research and training and especially "to encourage several academic disciplines, such as business, management, law, economics, engineering, architecture, and political science to address the problems of urban transportation."

According to TRI Director James P. Romualdi, the new grant will strengthen the Institute's on-going programs in transportation research and training.

Specifically, TRI hopes to use the Department of Transportation grant to attract additional graduate students, to provide graduate level education in transportation-related topics to persons already employed in the transportation industry who wish to increase their skill and update their education, to create added interest in transportation technology as a career among undergraduates, and to attract faculty from the many disciplines involved in the search for solutions to urban transportation problems.

The Transportation Research Institute was established at Carnegie-Mellon in February, 1966. Since its inception, it has conducted research studies for local and national governmental agencies in the areas of transportation systems, demands, and human problems involved in utilizing existing technology to solve the growing mass transportation problems.

Drama Department Will Present "Public" Production

The curtain will go up this month on a play which may well signal the establishment of a resident professional theater on the Carnegie-Mellon University campus.

The Carnegie-Mellon department of drama will test the feasibility of presenting a full season of plays for the general public with a production Feb. 22 through

Mar. 4 of Bertolt Brecht's *Mother Courage and Her Children*.

The pilot production, with a cast of both faculty and students, will be staged for the general public in the College of Fine Arts theater at prices ranging from \$1.65 to \$2.20.

Should public response be encouraging, a permanent resident theater may become part of the new \$9.5 million fine arts complex for which ground is scheduled to be broken in the spring of 1970.

The complex, already backed by a grant of more than \$730,000 from the U.S. Office of Education, will go up on a site west of Morewood Gardens on Forbes Ave., behind educational television station WQED, now under construction.

The complex will house three theaters in addition to the departments of architecture and design.

"Drama students will continue as at present to present plays," said Earle R. Gister, associate professor and head of the department of drama, "but they will have the added benefit of working with a professional group in productions. Yet we don't want to launch such a project without testing certain problems involved, and before preparing our audiences."

The formation of a resident professional company on campus would not eliminate solely student productions, Prof. Gister pointed out. He said student productions would continue to be offered.

Directing the pilot production will be Word Baker, associate professor of drama. Rudolph Fellner, associate professor of music, will direct the music. Other Carnegie-Mellon faculty members participating in the production will be Sirin Devrim, Lynn George, Leon Katz, Robert Parks, Jewel Walker, Arthur Wilmurt, Charles Dox, William Nelson, and Robert Wolff.

Tickets may be purchased in Room 100 of the College of Fine Arts.

page 9 Carnegie Alumni News / February 1969



Earle Gister, head of the drama department, left; Dr. Stever, center, and Paul Schweikher, architect and former head of CMU's architecture department, view the proposed Fine Arts Complex. The building will be constructed adjacent to educational television station WQED's new headquarters. This is the view of the new building looking across Forbes Ave. from the main campus area.

New School Spurs Student Projects On Police, Fire Protection

The recent creation of the Carnegie-Mellon School of Urban and Public Affairs has generated student projects leading to possible improvements in municipal police and fire protection.

Two teams of students from the Graduate School of Industrial Administration (GSIA) recently conducted computer studies of police information retrieval systems and fire resource-allocation problems.

Both teams worked closely with Pittsburgh safety, police and fire officials.

The projects were part of a graduate seminar on system analysis and simulation headed by Richard L. Van Horn, research associate at GSIA.

"Although largely oriented toward student learning and testing of their problem-solving skills," said Prof. Van Horn, "it was in view of the interest in urban problems generated by the establishment of the School of Urban and Public Affairs that work of this kind seemed particularly appropriate."

The first team, composed of six students, collected and analyzed data for a variety of operating policies and fire service demands, and developed criteria for gathering data and measuring damage costs and fire department performance.



The students built a computer simulation model of the fire department operation with which to study the effects of different "demand structures and allocation policies" on the quality of services. The simulator may be used also for training purposes, permitting fire personnel to determine allocation policies and receive quick feedback on the effects of their decisions.

Using data on fires which actually occurred in Pittsburgh, the team examined three basic fire problems:

- The kinds of equipment to be kept at each fire house.
- The amount and kinds of equipment with which firemen should respond to alarms.
- How to redistribute equipment across the city for maximum protection when a large fire ties up all the equipment in one area.

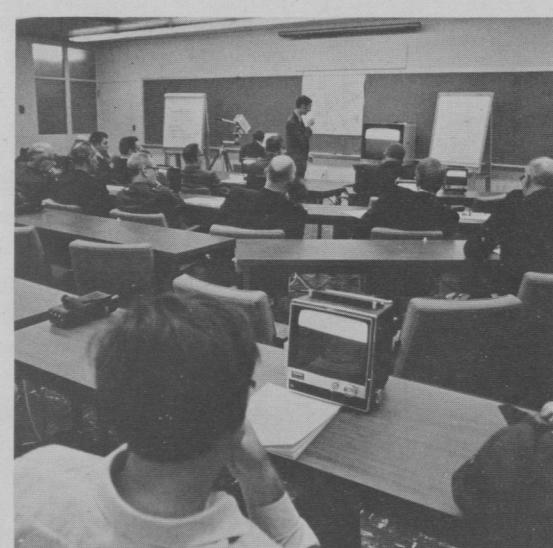
The results of various decisions regarding these problems were predicted by the computer model.

The four-man police team developed a small computerized information system which could serve as a model for a full-scale system Pittsburgh police are planning to install on a city computer next summer.

"Police have a definite need for high-speed information retrieval systems," Van Horn noted. He cited as an example an officer in a patrol car who must identify a suspect while in a remote area. Not knowing how dangerous the suspect is or whether he is wanted by

police, the officer can radio headquarters and quickly get the necessary information.

Pittsburgh police have been retrieving information by making manual searches of records. But they believe the method is slow and subject to error.



The computerized prototype, which police will have an opportunity to experiment with at their headquarters by means of a portable terminal connected by telephone to a time-sharing computer, stores and provides within a few seconds data on stolen cars and license plates, outstanding warrants for arrest, license suspensions, and prior convictions for driving without a license. Information is completely cross-indexed, permitting the search for several types of information at the same time.

Police can use the experience gained on the prototype to avoid costly mistakes and delays on the actual system, according to project leaders.

Participating in the police project were Richard R. Yalch, Pittsburgh; Henry G. Goldberg, Kensington, Md.; Lawrence A. Fantauzzi, Youngstown, Ohio, and Harvey A. Shapiro, Pittsburgh.

Mr. Shapiro is director of the computer sciences laboratory at GSIA.

Members of the fire team were Harry B. Back, New York City; Robert Lieberman, Rockaway Park, N. Y.; Norman R. Lyons, East Palo Alto, Calif.; Donald S. Infeld, Long Beach, N. Y.; Per O. Lekvall, Göteborg SV, Sweden, and David J. Mayston, Sussex, England.

Julian Bond Views Nixon Election With Pessimism

"We Negroes face over the next four years a government that, at best, will be mildly hostile," according to Julian Bond, the young Negro legislator from Georgia.

The 28-year-old member of the Georgia House of Representatives recently addressed a student assembly in Skibo Ballroom on "The New Political Coalition."

Mr. Bond said he had little hope that the Negro would benefit from the administration of President-elect Richard Nixon.

He rejected the Nixon idea of rebuilding the ghetto with private capital as "substituting black capitalist exploitation for white capitalist exploitation."

He saw the only real answer for ghetto relief coming from the federal government in the form of low interest loans for corporate development.

Speaking of the Democratic Party and its convention, he said that all that's left of the old Democratic coalition of ethnic groups are two parts: "the Blacks and those who hate the Blacks."

Mr. Bond called for the formation of a new liberal coalition "to guarantee us that what may happen in the

next four years won't happen again" and which would "organize the unorganized masses."

Mr. Bond's name was placed in nomination for vice president at the Democratic National Convention last August.

He was elected to the Georgia legislative body in 1965 but was barred from it despite subsequent elections until the U.S. Supreme Court upheld his right to the seat in December 1966.

Earlier he organized the Committee on Appeal for Human Rights (COAHR), which he served as executive secretary, and helped found the Student Non-violent Coordinating Committee (SNCC).

Formerly managing editor of the Atlanta Inquirer, he became communications director for SNCC, working on civil rights drives and voter registration campaigns in the South.

COAHR, an Atlanta student organization, coordinated anti-segregation protests in that city from 1960 through 1963.

Mr. Bond is executive board member of the National Conference for New Politics, honorary trustee of the Institute of Applied Politics, a director of the Southern Conference Education Fund, an adviser to the proposed Martin Luther King, Jr. Memorial Library, and a member of the Southern Correspondents Reporting Racial Equality Wars, and the executive committee of the Atlanta NAACP.

He is also a Visiting Fellow of the Metropolitan Applied Research Center, New York City, and a member of the board of the Highlander Research and Education Project of the Southern Regional Council. He attended Morehouse College in Atlanta.

Burtis Appointed to New Executive Post

Theodore (Ted) A. Burtis, national chairman of the Annual Alumni Fund for 1968-69, has been promoted to administrative director of research and engineering of the Sunoco Division of Sun Oil Company, Philadelphia, Pa. He was formerly director of commercial development.

Mr. Burtis received his B.S. in chemical engineering from CMU in 1943, and an M.S. in the same field from Texas A & M University in 1946.

Previously Mr. Burtis was for ten years president of Houdry Process and Chemical Company, a division of Air Products and Chemicals, Inc. He also served concurrently for five years as a vice president and member of the board of directors of Air Products and Chemicals, Inc. Earlier he was a research engineer for Magnolia Petroleum Company and a sales engineer for Owens-Corning Fiberglas Corporation.

Mr. Burtis is immediate past president of the American Institute of Chemical Engineers. He is a member of the American Chemical Society and the American Petroleum Institute, and a Fellow of the American Institute of Chemists.

NSF Gives \$67,700 For Engineering Studies

The departments of chemical and mechanical engineering have received research grants totalling \$67,700 from the National Science Foundation.

Awarded to the department of chemical engineering was \$40,000 for a study of chemical reactions in turbulent fluids. Herbert L. Toor, professor and head of the department, will direct the program.

The department of mechanical engineering received \$27,700 for a project entitled "The Charged Capillary as a Membrane Model." Heading the investigation is J. Fletcher Osterle, Theodore Ahrens Professor of Mechanical Engineering.

Education Center Launches Program For City High Schools

Carnegie-Mellon University this summer will attack the "urban dilemma" with a teacher training program aimed at providing the nation's high schools with a new cadre of educators in the humanities.

A one-year teacher fellowship program, which may well grow into a series of annual institutes, will get underway in July for the training of 26 experienced and prospective secondary teachers in the humanities.

Emphasis will be on training teachers for urban senior high schools attended by large numbers of disadvantaged students.

The project, funded by a \$265,000 grant from the U.S. Office of Education, will be headed by Edwin Fenton, professor of history and director of the Carnegie Education Center.



Professor Fenton

"The quality of life in America's cities demands increased attention to humanistic studies," said Dr. Fenton.

Citing present trends of Negro unrest in the ghettos and the "flight" of middle and upper class whites to the suburbs, he warned that unless the trends are reversed an "unbridgeable economic and social gulf will soon separate the two groups."

"Humanistic disciplines focus on questions which lie at the center of the urban dilemma," he stated.

Dr. Fenton claimed that three basic humanistic concerns—the nature of the good man, the good life, and the good society—are issues which both ghetto children and the more privileged must investigate if they are to live amicably in the same society.

He said that students should clarify their judgements about these issues in classes in English, the social studies, and the fine arts.

Under the new program 18 experienced teachers and eight prospective teachers—those who have earned bachelor's degrees but not yet gained teaching experience—will be recruited nationally and trained in history, English, art, or music.

The experienced teachers will be prepared for positions of leadership and curriculum development, while the prospective teachers will learn to present new curricula in their own fields with the intent of taking jobs in city schools.

Besides taking the graduate courses in their subject areas, participants will study cognitive processes, methods and materials, interpersonal relationships, and will practice-teach and supervise in Pittsburgh schools.

Trainees will receive Master of Arts degrees upon completion of the program.

Other objectives of the program are an examination of the relationships among the humanities, and development of a model of teacher preparation for other colleges and universities.

In cooperation with the University of Pittsburgh, faculty members from colleges and universities in the cities from which teacher fellows are recruited will serve internships in the program.

"Upon their return to their home campus," explained Dr. Fenton, "these faculty members will have formed close associations with a number of high school teachers

and administrators from their own communities and will have gained valuable information about two ongoing programs for the preparation of teacher trainers."

Commenting on curriculum development in the humanities, Dr. Fenton noted that most reform projects have worked within traditional disciplinary lines.

"But if the disciplines can attack similar problems and make common emphases clear to students, a more integrated and useful learning experience will take place," he added.

He said that although some 100 curriculum reforms in the humanities have been developed in the past five years, teachers have not been prepared to use them well and many college professors have not learned enough about them to reshape their own courses. He declared also that supervisors from urban areas are unprepared to assume leadership in curriculum reform because of heavy workloads and inadequate budgets.

Rhonda Gillespie



CMU Sponsoring Pianist's U.S. Debut

Carnegie-Mellon University is sponsoring the American debut of a young Australian concert pianist in Pittsburgh this month.

She is 27-year-old Rhonda Gillespie, a native of Sydney who makes her home in London.

Miss Gillespie, who has performed in Ireland, Finland, Germany, Norway, Holland and Egypt, will present her first recital in the U.S. at Carnegie Lecture Hall Feb. 26.

Highlight of the young artist's debut will be the American premiere of *14 Studies for Piano, Opus 53* by Wilfred Josephs, contemporary English composer, and *Trois Pièces* by Charles Camilleri, Maltese composer. The Josephs composition is dedicated to the pianist.

Also on the program will be works by Mozart, Schumann, Chopin and Liszt.

Following her Pittsburgh appearance, Miss Gillespie will play three concerts with the St. Louis Symphony under Walter Susskind.

The pianist studied at the Sydney Conservatorium, and in England with Louis Kentner. Long devoted to contemporary Finnish music, she was chosen in 1967 as soloist for the first London performance of *Piano Concerto* by Usko Merilainen, Finnish composer, with the Royal Philharmonic Orchestra.

She has also appeared with the London Philharmonic Orchestra, the Birmingham Symphony and numerous other orchestras.

A Poet Yet

Dear Sir:

I am an alum from Parsimany
I have demands on my funds most
consistently
But I honestly believe
In the demands I receive
CMU stands first in persistency.
As devised these demands may be
cunning
As received I sometimes feel
they are dunning
But I finally concede
CMU has a need
From the cunning dunning I'm no
longer running.
(Enclosed find check for 1968-69
Alumni Fund.)

Signed
Class Poet
School of E&S '22

Alumni Show Biz

In a break with tradition, the Alumni Association's annual banquet for seniors, held February 19, replaced the usual speeches with live entertainment. And the seniors loved it.

Fred Albitz, an alumnus of the music department and a creative consultant, wrote a fresh, exciting show and got the Alumni Association's message across in original lyrics, music, and graphics designed to appeal to the present college generation.

The mixed-media program was narrated by Terry McGovern, KDKA radio personality. Musician-alumni appearing in the show were Joe Negri, A'54, Dick Heller, A'61, Fred Albitz, A'64, and the "Worldly Goods" (Carol Sager Knox, A'64, and David Sawchak, A'68).

Stever in Florida

President H. Guyford Stever will attend three Florida clan meetings next month.

Dr. Stever will visit the Suncoast Clan, St. Petersburg, March 2; the Gold Coast Clan, Ft. Lauderdale, March 4, and the Miami Clan on March 5.

Additional information regarding the meetings may be obtained from the following persons:

In Miami: Mr. J. Marcus Pinsker, 1271—101st St., Zip Code 33154. Phone (305) 891-3771.

In Ft. Lauderdale: Mr. James Tilbrook, 2432 N.W. 26th St., Zip Code 33305. Phone (305) 566-6583.

In St. Petersburg: Col. Ira W. Grande, 6601 Renaldo Way, S., Gulfport, Zip Code 33707. Phone (813) 345-5209.

Industry Grants

Carnegie-Mellon recently received four industry grants totalling \$39,136.

E. I. Du Pont de Nemours and Company gave \$15,000 for programs in chemistry, chemical and mechanical engineering.

The American Oil Foundation has announced an unrestricted grant of \$10,000.

A \$10,000 grant from the Esso Education Foundation has been earmarked for chemistry and chemical engineering, with each receiving \$5,000.

The University has also received \$4,136 through the General Electric Foundation's Corporate Alumnus Program.

Metals Award

William O. Philbrook, professor of metallurgy and materials science, has won The Metallurgical Society 1969 Robert W. Hunt Award.

The honor is in recognition of Mr. Philbrook's paper, "Simulation of Topochemical Reduction of Hematite via Intermediate Oxides in an Isothermal Counter-current Reactor," published in the April, 1968, issue of *Transactions*.

Presentation of the award will be made at the TMS Annual Dinner in Washington, D. C., February 18.

Executive Board of the Alumni Association
Back row l-r - C. B. Groomes, D. J. Andella, John Boyle, J. Howard Joyst, William A. Conwell, Roger Beal, Robert Greiner
Seated l-r - Ruth Demmler, Joanne Luther, Robert G. McCurdy, Diann Litwar Fleischmann, Adelaide Woolley



page 12 Carnegie Alumni News / February 1969

"New Town" Designer

One of the designers of the "new towns" of Columbia, Md., and Reston, Va., has been appointed assistant professor of architecture.

He is Chin Pai, 32, former urban designer on the President's Temporary Commission on Pennsylvania Avenue planning and design staff, and architect with Doxiadis Associates, Inc., and A. L. Aydelott and Associates.

A native of Peking, Prof. Pai was educated at Cheng-Kung University, where he also taught, and earned graduate degrees at Washington University, St. Louis, and Massachusetts Institute of Technology.

The "new towns," about 25 miles from Washington, D. C., are self-sustaining communities incorporating many progressive ideas in urban and architectural design.

Contributing Art Editor

Alumnus William C. Libby, artist and professor of painting and sculpture at Carnegie-Mellon, has been appointed to the board of contributing editors of *American Artist*.

Mr. Libby, on the faculty since 1945, has pursued a notable career as a painter, illustrator and printmaker, exhibiting widely in international, national and regional shows and winning numerous awards. His work is represented in collections at the Metropolitan Museum, Library of Congress, Butler Institute of American Art, Carnegie Museum, and Brooklyn Museum.

The artist earned a B.A. in art education here in 1941, and also studied at the University of Texas, Colorado Springs Fine Arts Center, and the Academie de La Grande Chaumier and Atelier 17, Paris.

Professor Libby



Europe, Mexico Tours

Two summer tours are being offered to 1967-1968 Alumni Fund contributors by the Alumni Association.

The first trip, from July 19 to August 8, will be a Grand Tour of Europe. On the three-week itinerary are visits to Paris, Frankfurt, Lucerne, Rome, Madrid, Lisbon, and London. An optional tour to Florence will be available out of Rome, and a tour to Shakespeare country will be offered in London.

The tour price of \$795 includes round-trip air fare from New York, all transfers, twin-bed accommodations, and two meals a day. A special rate which includes air fare only is also available.

The second tour is a visit to Mexico from August 16 to 23. Visited during the one week jaunt will be Acapulco, Taxco, and Mexico City. Included in the fare of \$295 are round-trip transportation from Pittsburgh, all transfers, twin-bed accommodations, and two meals a day.

Reservations are now being accepted for both tours. For further information, contact the Alumni Office.

Corporate Officers

Everard M. Williams, former head of electrical engineering and chairman of the Applied Space Sciences Program at Carnegie-Mellon, has been named president and chairman of the board of El-Gar Rehab, Inc., a Pittsburgh housing corporation.

A second Carnegie-Mellon faculty member, Thomas A. Cruse, assistant professor of mechanical engineering, was also elected to the board of directors.

The corporation, a non-profit group with bi-racial volunteer management, rehabilitates housing for rental and sale to low income families in East Liberty and Garfield.

At a recent meeting of the Washington, D. C. Clan, Dr. Stever was presented a gift of the world globe by the Clan. Here, Dr. Stever admires the gift as l-r, Clarence H. Weissenstein, E'39, John H. Davis, Jr., PM'34, and Alumni Association President J. Howard Joyst, E'25, look on.



Clan News

THE WASHINGTON CLAN was well represented at the Homecoming in October. Twenty members were present to see Howard Joyst, one of our members, become president of the Alumni Association and another member, John H. Davis, Jr., receive a Service Award and elected as vice president of Region V. Our Clan received the first Clan Award ever presented—for increased membership, fund participation, CMAC activities and program ideas.

A CMAC Luncheon was held in October, and the Alumni Fund Drive Kickoff Dinner was held at the Mayflower Hotel, at which 120 alumni were present.

The Annual Dinner was held at the Army-Navy Club, attended by 100 alumni. President H. Guyford Stever was the honored guest and speaker, and was presented a handsome world globe.

On December 29, at the Shoreham Hotel, a Christmas Tea was held for applicants for admission to Carnegie-Mellon University, their parents, current freshmen and members of the Board of Governors of the Washington Clan.

Dr. Stever at D.C. Clan



Future plans include a theater party and a spring function. After a very successful theater party in November at the Huntington Hartford Theatre attended by 60 Los Angeles alumni and guests, the second LOS ANGELES CLAN event, a dinner meeting, was held at the International Hotel on January 8, 1969. The guest speaker was Dr. Edward R. Schatz, Vice President for Academic Affairs, who spoke on "The University Begins to Grow."

Planning for the third General Clan Event is underway, and an announcement will be made to the membership shortly. Dean Erwin Steinberg was guest speaker for the GOLD COAST CLAN on Friday, November 15, 1968. A dinner meeting was held at the Tropical Acres Steak House in Pompano Beach. Fifty-one alumni and guests attended this first meeting of the season.

On March 4, 1969, Dr. H. Guyford Stever will be the guest of the Gold Coast Clan dinner meeting to be held at the Penthouse of The Sheraton Hotel in Fort Lauderdale.

THE PITTSBURGH WOMEN'S CLAN has scheduled a Dutch Treat Luncheon for February 20, 1969. The meeting will be held at the College Club of Pittsburgh at 12:30 p.m. Chairman for the luncheon is Mary Alice Shields Conners (Mrs. J. F. F.).

"Spring Beauty"—the theme of the 1969 Scholarship Thistle Bridge Luncheon—will be in evidence in the Skibo Ballroom on Saturday, March 22, 1969, at 12:30 p.m. Daffodils, forsythia, and thistles will be among the floral decorations. A fashion show (Price's of Oakland) with music by Carnegie-Mellon students will follow luncheon.

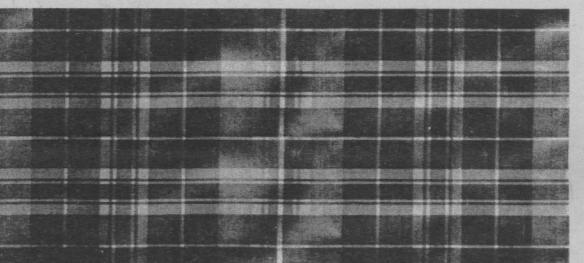
There will be prizes, an opportunity to play cards and to meet CMU students who will serve as aides.

Pittsburgh Women's Clan members, all alumni, and their friends are invited. Alice Burley Gilmore (Mrs. C. H.) and her committee of 14 suggest that reservations be made soon with Mrs. Walter Jones, 95 Markham Drive, Pittsburgh 15228. A single reservation is \$4.50, and a table reservation \$18.00.

Clan members are urged to make contributions to the Scholarship Fund if unable to attend.

Everyone hopes that the 1969 benefit will realize a large profit to add to the more than \$40,000 already given in scholarship aid through the years by the Pittsburgh Women's Clan. The Suncoast Clan of Carnegie-Mellon University will hold a dinner meeting at the St. Petersburg Yacht Club on Sunday, March 2, 1969. Dr. H. Guyford Stever, President of CMU, will be guest speaker. Cocktails begin at 6:30 p.m., followed by dinner at 7:30. Winter visitors to the Suncoast area are cordially invited to attend.

For reservations call Ira W. Grande, president of the Clan, at 345-5209, or Herbert Hillman, treasurer, at 525-5022.



Classes

'08-'19 HARRY S. ANDERSON (E'09) of New Orleans, La., died on May 9, 1968.

Mrs. Beatrice Bayless (BEATRICE HILL, M'10), who served as secretary to the late Mayor William Magee of Pittsburgh and to Booker T. Washington at Tuskegee Institute, died on October 28, 1968. Mrs. Bayless was one of the original employees of the *Pittsburgh Courier*, where her late husband, William Preston Bayless, Sr., served as circulation manager and religious editor.

The Alumni Office has learned of the death of JAY E. WHITE (E'11), retired chief engineer of United Specialties Company, on November 8, 1968. Mr. White lived in Jamestown, N.Y.

Mrs. Jane Harrold (JANE CALDWELL, M'12) has recently moved to 305 North Pompano Beach Boulevard, Pompano Beach, Fla. 33062.

Capt. P. C. ELSEY (I'12) of Huntington, W. Va., died on July 17, 1968. He was retired superintendent of the Armco Steel Corporation's Huntington plant.

Miss EDITH ENDICOTT (L'13) died on October 7, 1968. She was a retired librarian, and lived in Lynchburg, Va.

T. DAVID FITZ-GIBBON (A'14) retired from his architectural practice in December, 1968.

The Alumni Office has learned of the death of Miss ALICE R. GILLIM (L'14) on September 8, 1968. Miss Gillim lived in Hartford, Conn.

GLEN O. MORFORD (I'14), a retired engineer, died on November 16, 1968, in Nashville, Tenn.

FRED C. ZIESENHEIM (E'15) is busier than ever these days, having embarked on a new venture as a broker of used die casting and plastics machinery. Fred and Mrs. Z. of 523 King Avenue, Marion, O., will be passengers on the Alumni Tour to Hawaii which leaves March 15.

WILLIAM H. KIRCHENBOWER (A'15) died on October 19, 1968. Mr. Kirchenbower worked as an architect for Gulf Oil Corporation for 22 years before his retirement.

COL. JOHN L. KING (E'16) died on October 5, 1968. Col. King lived in Ligonier, Pa.

BERNARD B. SPIGEL (A'16), a Norfolk, Va., architect, died on September 20, 1968. Mr. Spigel was a resident of Virginia Beach, Va.

The Alumni Office was informed of the death of ANDREW CARNEGIE (E'17) on October 27, 1968. Mr. Carnegie had worked for the Ohio Edison Company before his retirement.

LEROY N. STRAYER (I'17), a retired contractor from Johnstown, Pa., died on December 8, 1968.

PHIL C. TWIFORD (I'17) died on May 23, 1968. Mr. Twiford was a consultant for Haws Refractories Company in Johnstown, Pa.

FRANK K. ZIEGLER (E'17) of Berwyn, Pa., died on November 16, 1968.

GEORGE E. TRENT, SR. (A'18) died on October 28, 1968. Mr. Trent was coordinating architect for the Board of Public Instruction of Manatee County, Fla. He was a resident of Bradenton, Fla. Members of the CMU Kilite Band and their director, Mr. Strange, who met Mr. Trent on their Florida tour last year, wish to express their regret.

BENEDETTO BOCCICCHIO (A'18) an architect in Pittsburgh for more than 50 years, died on December 26, 1968. Mr. Boccicchio was a resident of Penn Hills, Pa.

20 WILLIAM K. FAWCETT (E) of Anna Maria, Fla., died on November 6, 1968.

The Alumni Office has learned of the death of J. A. GERBER, JR. on November 23, 1968. Mr. Gerber was president of the Williamsport Paper Company, Williamsport, Pa. He was a resident of Montoursville, Pa.

GEORGE N. FLOCOS (E) of Wilkinsburg, Pa., died on November 17, 1968. Mr. Flocos was a partner in the Flocos & Xides Company, Pittsburgh, for more than 30 years before his retirement.

Let's Meet & Eat

The *Alumni News* presents a list of regular meetings, particularly luncheon meetings of the Clans—with the hope that traveling alumni can take advantage of these recurring events to meet some old friends or make some new ones.

BOSTON

Third Wednesday of each month, 12 noon
Rossoff's—97 Summer Street
(No Reservations Needed)
Pres. Donald L. Lilly
Secy. Jo Anne Proulx

CHICAGO

First Monday of each month, 12 noon
Men's Grill, Carson's, S. State Street
(No Reservations Needed)
Pres. Joseph Fell
Secy. Joseph Galluzzo

CLEVELAND

Second Friday of each month, 12 noon
(Except August)
Cleveland Engineering Society
3100 Chester Avenue
(No Reservations Needed)
Pres. Lewis Sternberg
Secy. Diane Farrington

NEW YORK

Downtown—3rd Wednesday of each month
12:30 p.m., Miller's Woolworth Bldg.
233 Broadway
Uptown—last Thursday of each month, 12:30 p.m.
N.Y.U. Club, Town Hall Bldg.
123 West 43rd Street
(No Reservations Needed)
Pres. Michael Dufinecz, Jr.
Secy. Mrs. Janet Fairhurst
Club Telephone, Barclay 7-9190

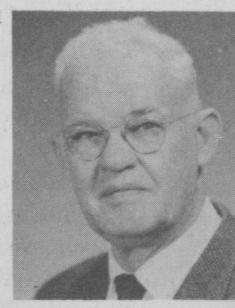
PHOENIX

First Monday of each month, 12 noon
Smokehouse Restaurant
4701 North 16 Street
(No Reservations Needed)
Pres. Albert J. Nelesen, Jr.

WASHINGTON

Second Thursday of each month, 12 noon
Golden Ox Restaurant
1615 L Street, N.W.
Pres. Clarence Weissenstein
Secy. Mrs. Leah Wolf, TA 9-2132

Steinberger '21



21

Dr. RAYMOND L. STEINBERGER (E) whose acoustics research has significantly contributed to understanding sound propagation in the oceans, retired December 13 after 33 years with the Federal government. He had been head of the Physical Acoustics Branch in the Naval Research Laboratory's Acoustics Division. At a retirement luncheon, Dr. Steinberger received the Navy's Superior Civilian Service Award for "his distinguished scientific service and his pioneering contributions to the field of sonar."

ERNEST W. SUMMERS (E), former chief chemist for Owens-Illinois Glass Company in Toledo, O., died on October 20, 1968, after a long illness. Mr. Summers of Fox Chapel, Pa., had retired from Owens-Illinois in 1958.

The Alumni Office has been informed of the death of CLARENCE B. SCHMIDT (E) of Hopewell Junction, N. Y. Mr. Schmidt was the former president of De Laval Separator Company of Poughkeepsie, N. Y.

EDWIN A. EARLY (A) died on December 25, 1968, while vacationing in St. Petersburg, Fla. Mr. Early was deputy coordinator for emergency planning at the U. S. Information Agency before his retirement in 1960.

22 MORTON G. WINSLOW (A) is retired and living in Sarasota, Fla. He reports that he continues to paint, "mostly sea scenes."

ARTHUR J. FRAZIER (E) of Bentleyville, Pa., died on June 6, 1968. Mr. Frazier had served as director of safety for J & Steel Corporation's Vesta Coal Division in California, Pa.

23

A memorial exhibition of work by Mrs. Robert O. Barstow (MARION HUSE, A) was held at The George Walter Vincent Smith Art Museum in Springfield, Mass., last October and November. Mrs. Barstow died one year ago.

The Alumni Office has learned of the death of Mrs. Hood Van Der Arend (DOROTHEA WOOD, M) on November 8, 1968. Mrs. Van Der Arend, a resident of Ambler, Pa., was a member of the Philadelphia Clan.

T. BARRY GOTHAM (E) retired from his position with the Goodyear Tire & Rubber Company in June, 1966, and is now a real estate broker in Akron, O.

24

DON ALLSHOUSE (E) has retired after 40 years as advertising manager of Copes-Vulcan Division, Blaw-Knox Company, and predecessor organizations. He will continue to live at 3117 West Ridge Road, Erie, Pa.

JOHN H. FERGUSON (I), a resident of Media, Pa., died on December 21, 1968. Mr. Ferguson was a former member of the Philadelphia Clan Board of Governors.

25

FRED G. KELLER (I) retired from Combustion Engineering, Inc. on December 1. He is now living in Jacksonville, Fla.

HENRY B. ASHWELL (PM) and his brother, JAMES B. ASHWELL (PM'30) head the printing firm, The Equity Press, Inc. They have owned and operated the company since 1939.



The Alumni Office has been informed of the death of JAMES R. RESLEY (A) on September 28, 1968. Mr. Resley was partner and manager of the firm, Fogarty & Resley of Hartsville, S.C.

THOMAS R. SEARSON (I), of Pittsburgh, died on November 13, 1968. Before he retired, Mr. Searon had served as senior staff assistant for the Bell Telephone Company of Pennsylvania.

WILLIAM GLASS (P) has been appointed advertising manager of the *Pali Press*, Kailua, Hawaii. Mr. Glass has an extensive background in the newspaper advertising field.

'28

GLEN C. MC COMBS (I) retired from Gulf Oil Corporation's Port Arthur Refinery on October 1. He is now an associate professor of civil engineering at the University of Arkansas, Fayetteville.

'29

NORMAN H. EVANS (E) retired from his position as director of the Electrical Examining Operation of the U. S. Patent Office on April 19, 1968.

CLARENCE R. DEIBLE (E) was named vice president, engineering and research, of the Glass Containers Corporation. The firm was formed in April, 1968, from the combination of three subsidiaries of Hunt Foods and Industries, Inc. Mr. Deible and his wife live in Oil City, Pa.

ALBERT E. MOREDOCK (E) retired from Westinghouse Electric Corporation on November 1. He had been a metallurgical engineer for the firm.

'30

GEORGE J. MOTTO (I) retired from the Westinghouse Electric Corporation on May 1, 1968.

DR. KATHERINE H. ANDERSON (M) has been appointed to the faculty of the Bowman Gray School of Medicine as associate professor of pediatrics. She will direct outpatient services of the medical school's Department of Pediatrics and will supervise a newly developed training program for pediatric assistants. For the past 25 years, Dr. Anderson has been engaged in the private practice of pediatrics in Winston-Salem, N. C., and has served on the part-time faculty of the medical school.

CHARLES A. MILLER, JR. (E) of Maumee, O., died on September 15, 1968. Mr. Miller was plant manager at Libbey-Owens-Ford Glass Company in Toledo.

'31

MAX M. STEIN (PM), director of production for the George Macy Companies, has been named director of the workshop in typesetting, press-work, and printing design sponsored by the American Institute of Graphic Arts. The workshop provides an opportunity for people involved in the creative and production fields of the graphic arts to learn the fundamentals by performing them in composing room and press room.

BERT TOTH (PM), a printer for Miller, Pyle, and Street, New Castle, Pa., died on June 25, 1968.

L. M. "LARRY" BAUGH (E) is president and founder of Baugh Construction Company of Seattle, Wash. The company, which was organized in 1945, recently completed more than 100 million dollars in total jobs to date, and was named one of the top 400 nationally ranked construction firms.

'32

JOHN S. PEAKE (E) has been appointed manager of technical education and training at the 3M Company. He joined 3M in 1957 and most recently was manager of inorganic research in the firm's physical sciences laboratories.

ANTHONY R. LORDO (E) will retire on March 1, 1969, after 29 years of service with the Westinghouse Electric Corporation. Mr. Lordo lives in Sharon, Pa.

THOMAS W. HUNTER (E) has been named administrative vice president—steel operations of United States Steel Corporation. Mr. Hunter has been with U. S. Steel since 1936. Prior to assuming his new position, Mr. Hunter served as vice president—sheet and tin operations in the production department.

JAMES T. MC CARTNEY (E) recently was presented with the Distinguished Service Award, the highest award of the Department of the Interior, by Secretary Stewart Udall. Mr. McCarty is a physicist-in-charge at the Pittsburgh Coal Research Center of the U. S. Bureau of Mines. He is the author of 35 papers published in national and international scientific journals. His son, JAMES T., JR. (E'68), is presently employed as a physicist by the Department of the Air Force at Wright-Patterson Air Force Base in Dayton, O.



Hunter '32

DON FLETCHER (I) was inducted into the Pittsburgh Curbstone Coaches' Hall of Fame last November. Mr. Fletcher, who was a tackle for the Tartans, later served at several Western Pennsylvania high schools as football coach, leading many teams to championships.

SAMUEL K. WILSON (A) has been appointed assistant director of engineering and architecture by the General State Authority of Pennsylvania. Mr. Wilson has had 36 years experience in the architecture, engineering, and construction fields. He is one of the few residents of Pennsylvania who is registered both as an architect and engineer.

'33

ROBERT M. KLINE (PM) retired on October 1, 1968, from the University of Chicago Printing Department, where he had been office manager. Mr. Kline is now living in Sun City, Ariz.

EDWARD A. WALDFOGLE (E) serves as an operations research manager for Monsanto Research Corporation's Mound Laboratory. Mr. Waldfogle has been with the Mound Laboratory for 22 years, and has worked in atomic energy for 24 years.

CARL A. BREUER (I) has been named executive vice president, operations and services, of the newly formed Wheeling-Pittsburgh Steel Company. He joined Pittsburgh Steel Company in 1938 as an industrial engineer. In 1940 he became senior industrial engineer and chief industrial engineer in 1942, followed by his promotion to vice president, operations, in 1957.

GEORGE O. MYERS (I), a native of Dover, O., was killed in a plane crash over the Caribbean Sea. Mr. Myers was president of the Alimentos Heinz C. A., a Venezuelan subsidiary of H. J. Heinz Company. Mr. Myers joined Heinz in 1933, and had served as head of the South American plant since 1965.

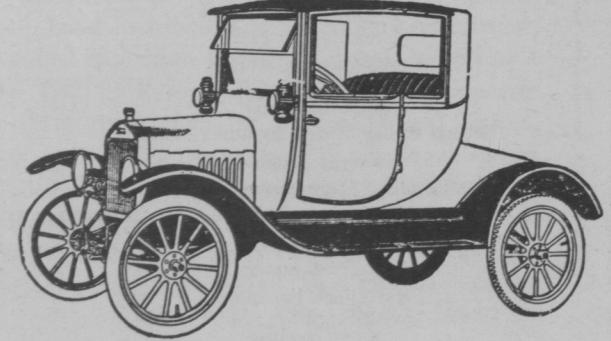
'34

FREDERICK J. OPRENDEK, SR. (E) has joined the firm of Shortway Electric & Engineering Company, an electrical consulting and contracting firm in Oil City, Pa. Mr. Oprendek had previously worked for the McGraw-Edison Company.

WILLIAM BALES (A) is dean of dance at the State University of New York's newly-formed college at Purchase, N. Y.

DR. JOHN A. ORD (E) serves as deputy for technical operations at the U. S. Army Foreign Science and Technology Center in Washington, D. C. Dr. Ord had previously served more than 25 years active duty with the Army Signal Corps.

WILLIAM E. STURM (E) has retired as vice president-general services of West Penn Power Company. Mr. Sturm had been with West Penn Power since 1927. He has been instrumental in the design and development of the Allelectric, an electric automobile built by West Penn. Mr. Sturm is a resident of Greensburg, Pa.



'35

JAMES A. KEENAN (E) has been named vice president of manufacturing at the Goodyear Aerospace Corporation. Prior to his new appointment, he was manager of manufacturing for the firm. Mr. Keenan joined the Goodyear subsidiary in 1941, and is a member of the company's operating and planning committee.

ROBERT R. WAYNE (A) was appointed administrative assistant, Process Analysis Division at the Applied Research Laboratory of the United States Steel Corporation in Monroeville, Pa. Mr. Wayne joined U. S. Steel in 1941.

JAMES COOPERMAN (E) is living in New Delhi, India, where he is chief of the industrial division of the U. S. AID program. Mr. Cooperman is completing his fifth year in India, after tours of duty in Rangoon and Mexico.

PATRICK NORELLI (E) serves as plant operations manager for the Westinghouse Electric Corporation. His position with Westinghouse involves responsibility for providing the research and development scientists and engineers with comfortable and functional occupancy, including laboratory and office space, utilities, environmental control, machine shops, and landlord services.

PAUL W. KOENEMUND (E) was recently named executive vice president—administration and planning, at Wheeling-Pittsburgh Steel Corporation. Mr. Koenemund is a resident of Glen Dale, W. Va.

'36

WILLIAM J. RAVES (E) of Etters, Pa., has been named deputy chief engineer for Western Pennsylvania by the State Highways Department. Mr. Raves, with 32 years of service with the Highways Department, has spent the last ten years as the Department's chief construction engineer.

FRANKLIN C. SNYDER (A) was recently appointed vice president and director of The Hearst Corporation. He will continue with his duties as chief executive of WTAE, Pittsburgh. Mr. Snyder joined the Hearst organization as WTAE general manager when the station started broadcasting in 1958.

Raves '36



Snyder '36

Colonel FRANCIS E. ABRINO (E) recently retired from the U. S. Army after 32 years of commissioned service. During the past six years, he served as Army Materiel Command project manager for the M113 Armored Personnel Carrier Co-production Project with Italy. Col. Abrino was awarded the Legion of Merit and Italy's Knight of the Order of Merit upon retirement. He is presently serving as project coordinator of foreign operations for Napco Industries, Inc., of Hopkins, Minn. Napco manufactures and markets automotive and truck replacement parts, ordnance equipment, and electronic components.



Abrino '36

Births

Stephan Paul born to Mr. and Mrs. Richard J. Hertz (E'59)

Theodore Robert born to Mr. and Mrs. David Curtis (Carole Rosenblatt, A'59)

Jennifer Lynne born to Mr. and Mrs. Fred Brownfield (Marilyn Levy, A'64)

Paul Lawrence and Jonathan Brett born to Mr. and Mrs. Joel M. Rudick (A'61, and Joyce Rayvid, M'61)

Mark Elliot born to Mr. and Mrs. Martin E. Feigenson (E'62)

Paul Thomas born to Mr. and Mrs. Thomas W. Henderson (Carol Knestrick, M'61)

Jennifer Lyn born to Mr. and Mrs. Richard M. Mitchell (E'67, and Margaret Schlessinger, M'68)

Jennifer Beth born to Mr. and Mrs. Roy J. Adams (Marylyn Whitaker, M'63)

Elizabeth Gerard born to Mr. and Mrs. Dwight B. Crane (IA'65, and Loretto Ford, M'64)

Laura Michelle born to Mr. and Mrs. Sanford Wishnev (Martha Ann Barron, A'61)

Mary Heidilyn born to Mr. and Mrs. Richard A. Hann (E'63)

Carol born to Mr. and Mrs. John G. Komlenic (E'63)

Kathryn Elaine born to Mr. and Mrs. Thomas B. Colborn (E'68)

Jessica Ann born to Mr. and Mrs. Norbert H. Nathanson (A'48)

Amy Beatrice born to Mr. and Mrs. James F. Connors (IM'66, and Elaine Katsilas, M'68)

Randi Sue born to Mr. and Mrs. Stephen L. Freedman (IM'66, and Sharon Podolsky, M'66)

Eileen Marie born to Mr. and Mrs. David Jack Drage (E'58)

Krista Alexis born to Mr. and Mrs. Thomas Stephen Terpock (A'66, and Sue Anne Steiner, M'64)

David Jonathan born to Dr. and Mrs. Jerome A. Goldstein (E'63, and Elizabeth Zakucia, M'63)

Nathaniel Herbert born to Dr. and Mrs. Norris L. Stephens (A'54, and Donna, A'55).

'37

MARY CASHMAN TAYLOR (A) was named Chairman of the department of art at Plymouth State College, Plymouth, N. H. Prior to coming to Plymouth State College, Mrs. Taylor chaired the art department at Doane College, Crete, Nebr.

Ingersoll-Rand has announced the appointment of SAMUEL LEVIN (E) as chief engineer—mountings at their Clarksburg, W. Va. plant. Mr. Levin had formerly served in the firm's rock drill engineering department at Phillipsburg, N. J. He has been with Ingersoll-Rand since 1964.

JOHN W. ROSS (A), a registered architect employed with the Allegheny County Department of Planning, died on November 12, 1968. Mr. Ross had been employed by the Pittsburgh Plate Glass Company for 28 years.

JAMES E. ROGERSON (E) has been appointed manager of distribution services for the United States Steel Corporation. Mr. Rogerson joined U. S. Steel shortly after graduation and had held several positions with them before coming to Pittsburgh in 1964 as manager of distribution services—warehousing.

'38

Mrs. HELEN RENO (A) has joined the Region H Mental Health Service as a social worker. The Mental Health Service provides consultation services to the public school systems of Bedford, Blair, Cambria, and Somerset counties in Pennsylvania.

LEIF E. THORSTEN (E) is observing 30 years of service with The Babcock & Wilcox Company. Mr. Thorsten joined B&W as a student engineer in 1938, and worked in the erection department and New York contract department. He transferred to the Barberton power generation division headquarters in 1955 and is a project manager in contract engineering. Mr. Thorsten, his wife, and three children live in Wadsworth, O.

JOHN G. GANTZ (PM) is the new president of Printers League Section of Printing Industries of Metropolitan New York. Mr. Gantz is also vice chairman of the board of PIMNY. He is executive vice president and treasurer of Publishers Printing—Admiral Press, a division of the Printing Corporation of America and the American Can Company.

PHYLLIS CHISLER (A) held a one woman art exhibit at the Ephrata Star Playhouse, Ephrata, Pa., last summer. Mrs. Chisler has taught at York Junior College for the past seven years. She is a resident of York, Pa.

Thorsten '38



Patterson '38



SIDNEY HANTMAN (E) of Silver Spring, Md., has been installed as national commander of the Legion of Valor. Mr. Hantman, a Pittsburgh native and Washington, D. C. building contractor, was installed at ceremonies in Kansas City, Mo., last August. The Legion of Valor, limited to winners of the Medal of Honor or the Distinguished Service Cross, was founded in 1890. Mr. Hantman, a World War II veteran, holds the Distinguished Service Cross.

STELLA MYERS (M), district child welfare supervisor for the Missouri Division of Welfare, was named "woman of the year" by the Select Chapter of the American Business Women's Association, Kansas City, Mo. Miss Myers has been in welfare work in the state since 1941.

THOMAS JONES PATTERSON (E) has rejoined Cowles Communications, Inc. in the newly-created position, assistant to the president. Prior to his resignation in 1961 to join the ministry of the Episcopal Church, Mr. Patterson was executive vice president and a member of the board of directors of The Family Circle, Inc., a subsidiary of Cowles Communications. Mr. Patterson, his wife, and three children live in Hampton Bays, Long Island.

'40

FRANK L. THOMAS (E) joined the U. S. Army Electronics Command in Ft. Monmouth, N. J., as a staff consultant in September, 1968.

JOSEPH H. FIELD (E), supervising chemical engineer at the U. S. Bureau of Mines, Pittsburgh, received the 1968 Storch Award of the Fuel Division of the American Chemical Society.

ALEXANDER T. FORREST (E) has ended his affiliation with Crucible Steel Corporation and has joined Mueller Bras Company, Port Huron, Mich., as vice president—engineering.

WILLIAM J. DIMOND (E) owns the Aerial Map Service, Pittsburgh, a firm which concentrates on field surveys and the use of aerial photography for the preparation of contract quantities and plans.



Blockside '40

ARTHUR B. BLOCKSIDE (E) has been appointed assistant director of research for Republic Steel Corporation. Mr. Blockside has been head of the Metallurgical Division at the Research Center since 1963. He joined Republic as supervisor of metallurgical development in 1958 after 18 years' service with Jones and Laughlin Steel Corporation in both operating and research assignments.

Shatzkin '41



Lewis '41

A. P. HELFER (E), former general manager of the Data Instruments Division, Consolidated Electrodynamics Corporation, has been named vice president and general manager of Meteorology Research, Inc., Altadena, Calif.

EDWARD J. LEWIS (A) has been appointed state chairman of the Wyoming Research Council of the Music Educators National Conference. Mr. Lewis is a member of the faculty of the University of Wyoming at Laramie.

GEORGE A. WEBB (E) has been advanced to the post of assistant chief engineer at the Homestead Works of the United States Steel Corporation. Mr. Webb joined U. S. Steel in Homestead, Pa., as a metallurgical practice apprentice in 1941, and has been with the engineering department for 26 years. Mr. Webb and his family live in Wilkinsburg, Pa.

JOHN O. PHILLIPS (E), commanding officer of the U. S. Coast and Geodetic Survey Ship *Oceanographer*, recently conducted an expedition to the Cobb Seamount, an extinct volcano off the coast of Washington. The expedition is described as "probably the most detailed exploration ever made of an undersea mountain."

LEONARD SHATZKIN (PM) has been appointed vice president, manufacturing research and development, at the McGraw-Hill Book Company. Mr. Shatzkin has been assistant vice president and director of manufacturing services since joining McGraw-Hill in 1964.

WILLIAM CHARLES LIBBY (A) of Pittsburgh, has been appointed to the board of contributing editors of *American Artist* magazine. Professor Libby has been a Fine Arts faculty member at CMU since 1945.

'42

WILLIAM D. MILLER (E), president and director of The Consolidated Aluminum Corporation of Jackson, Tenn., has been re-elected a director of The Aluminum Association. The Aluminum Association is an industry-wide trade group whose membership includes producers, semifabricators, foundries, and smelters in the U. S.

Mr. and Mrs. JOHN A. RHODES (E) moved to Fairfield, N. J., in September, from Villanova, Pa., where they had lived for 12 years.

'43

JOHN R. LOW, JR. (E) professor of metallurgy and materials science at CMU was a recipient of an American Society of Tool and Manufacturing Engineers, 1968 Award of Merit. He was cited "for his significant contributions to the Society's technical committees."

'44

BRIAN M. SHIELDS (E) has been promoted to manager—product metallurgy—tubular products division for the United States Steel Corporation. Mr. Shields began his career with U. S. Steel in 1942 as a metallurgical observer at the corporation's Homestead Works.

KATHERINE A. LABOON (M) of Mount Lebanon, Pa., died on November 6, 1968. Miss Laboon had served with Singer, Deane & Scribner, Pittsburgh, as an executive secretary.

Mr. and Mrs. Ted Savich (BETTY MC NAIR, M) have been appointed to the Advisory Committee of Vincennes University. Their daughter, Marjory, who is a senior math major at Indiana University, was elected to Phi Beta Kappa last year and this year was awarded a teaching assistantship in the math department. The Savich's live on a farm near Rensselaer, Ind.

Sister MARY CONSTANCE RUPRECHT (M) died on November 1, 1968, after a short illness. She was a member of the Sisters of Charity and taught at Seton High School in Chandler, Ariz.

The Alumni Office has learned of the death of BETTY JANE WHITEHEAD (M) on November 26, 1968. Miss Whitehead, of Pittsburgh, was assistant manager of policy and program, department of personnel services, U. S. Steel Corporation, for whom she had worked since 1942.



'46

NORMAN RUTKIN (E) now serves as vice president and director of operations for Max Factor, Inc., Hollywood, Calif. Mr. Rutkin was formerly vice president of corporate engineering for Revlon, Inc., in New York.

MARTIN N. ORNITZ (E), formerly an executive with Blaw-Knox Company, has been named president of Roblin Steel Company, a division of Roblin Industries, Inc., of North Tonawanda, N. Y.

Mrs. John Cowan (JOAN GORDON, M) of Waynesburg, Pa., died on December 19, 1968. Mrs. Cowan had served as administrative assistant to the director of development at Waynesburg College.

'47

JOHN H. BRYAN (E) has been elected to the board of directors of Hankison Corporation, Canonsburg, Pa. Mr. Bryan is vice president—sales, of the company.

JEANNIE S. MARFIELD (L) of Arlington, Va., is presently serving as chief, Law Branch, for the Department of Commerce Library.

THOMAS J. FARAHY (E) has been appointed an account executive in Midwest Sales for Wilding, Inc., a Bell & Howell company headquartered in Chicago. Mr. Farahy was formerly a group vice president of Klaau-Van Pietersen-Dunlap, Inc., Milwaukee.

Captain FRANK G. SCARBOROUGH (E) serves in the U. S. Navy as executive director for quality assurance of the Defense Contract Administration Services. The Florida operation is headquartered at the Orlando Air Force Base. His job is directing the inspection of supplies coming from more than 20,000 defense contractors and accepting their output for delivery to the Army, Navy, Air Force, and NASA.

HARRIET HOLSTEIN (A) has been named supervisor of project directors for Saphier, Lerner, Schindler, Inc., an international design and space planning firm and a division of Litton Industries. Miss Holstein has been with SLS as a project director for four years.

EDWARD LYTWAK (E) assumed a new position as maintenance manager at General Tire & Rubber Company, Jeannette, Pa. He had formerly been with Elliott Company for 21 years as maintenance engineer.

JOSEPH W. ELGER (E) has been named general manager of Shell Chemical Company's plastics and resins division. Mr. Elger, a Norwalk, Conn., resident, joined Shell in 1947.

Hornbake '48



'48

E. RODNEY HORNBAKE (E) has been elected president and a member of the board of directors of Pittsburgh Tube Company. A Beaver, Pa., resident, Mr. Hornbake started with Pittsburgh Tube in 1949 as an electrical engineer and has been executive vice president and sales manager since 1965.

JOHN GUERRY (E) of Washington Crossing, Pa., was promoted to assistant general manager of DeLaval Turbine, Inc., Trenton. Mr. Guerry was formerly operations manager at the firm.



Platt '48

RICHARD O. PLATT (E) has been appointed product development engineer with the Product Development Department of Harbison-Walker Refractories Company division of Dresser Industries, Inc. Mr. Platt has been with the company since his graduation from Carnegie-Mellon.

HAROLD LIPCHIK (E) has been elected president and chief operating officer of Water Treatment Corporation, manufacturers and suppliers of water conditioning equipment for residential, commercial, and industrial applications, headquartered at City of Industry, Calif. Mr. Lipchik will be responsible for all operations of the three divisions comprising the corporation. He also remains president of the Advanced Products Division of Chromalloy-American Corporation located in Hawthorne, Calif.

BERT D. POLLOCK (A) reports that an off-Broadway production of his play, "The Great Magician," is planned for the spring of 1969.

GEORGE R. COOK (E), supervisor in production engineering for General Electric Company, Huntsville, Ala., was honored upon reaching his 30th year with GE last December.

HERBERT H. NATHANSON (A), writer-producer of educational television and film materials, has been appointed assistant director of instructional resources in the Educational Communications Office of State University of New York. In his new position, Mr. Nathanson will coordinate programs of campus Instructional Resources Centers from headquarters in Albany. He most recently served as project director and executive producer for a cooperative U. S. Civil Service Commission-WETA-TV instructional television project.

JOHNSTON N. HEGERMAN (E) has been named assistant superintendent of the rod and wire mills at the Sparrows Point, Md., plant of Bethlehem Steel Corporation. Mr. Hegeman joined Bethlehem in 1948, and has been at the Sparrows Point plant for ten years.

JOHN G. WALLACE (E) is one of three alumni of Thiel College, Greenville, Pa., who received awards for outstanding professional accomplishments. Dr. Wallace is development manager of the Sales Division of the Du Pont Company's Electrochemicals Department. A resident of Windybush, Del., Dr. Wallace received his M.S. and D.Sc. at CMU.

CHARLES G. DREYER (E) recently transferred from Mobil Oil Corporation, Libya, to the Mobil International Engineering Consulting Group in Dallas, Tex.

FRED A. HALLER (E), manager of the Pittsburgh office of Carrier Air Conditioning Company, was named winner of the 1968 sales competition over 53 other company branch office managers in the U. S. and Canada at a national sales meeting at Hollywood Beach, Fla. Mr. Haller, of McMurray, Pa., has specialized in selling large air conditioning equipment for major buildings since joining Carrier in 1957.

DAVID R. LIDE, JR. (E) was the recipient of a Gold Medal Award from the U. S. Department of Commerce in 1968. He was given the award in recognition of his "distinguished authorship and for outstanding contributions to our knowledge of the structure of molecules." The Gold Medal is awarded to Department of Commerce employees whose exceptional achievements merit special recognition.

Dr. FERGUS T. MONAHAN (M) was appointed dean of the Marywood College School of Social Work, Scranton, Pa. Dean Monahan is charged with the responsibility of obtaining a faculty and developing a curriculum for the new school of social work, the fourth such school to be currently in operation in Pennsylvania.

Mrs. Nancy L. Hogg (NANCY LAUER, M) has been named assistant home economist for Franklin County, Pa.

'50

JACK R. HILL (E) of Trumbull, Conn., has been named sales manager of the Heppenstall Company's Bridgeport plant. Mr. Hill formerly was vice president of sales of the Voss Engineering Company and prior to that was the Chicago district manager of Pittsburgh Metals Purifying Company. In his new position, Mr. Hill will be responsible for the sales of all products manufactured at Bridgeport.

The appointment of RAYMOND C. ODISO (E) of Chatham, N. J., as vice president—research and development, was announced by the Drackett Company. Dr. Odioso came to Drackett from the Colgate-Palmolive Company, where he was associate director of research and development. He assumed his new duties in November, 1968.

GEORGE R. BAUER (E) of Bridgeville, Pa., died on June 30, 1968. Mr. Bauer was assistant sales manager of Control Products Company, Inc., Carnegie, Pa.

The Alumni Office was informed of the death of FRANK G. ALSTER, JR. (E). Mr. Alster, of Pittsburgh, served as a chemist in the sales service department of Mobile Chemical Company.

Marriages

Kathleen Brannigan and Norman L. Caban (E'55)

AT HOME: 47 Old Lyme Road, Williamsville, N. Y.
Nancy A. Handshaw (M'54) and Milo C. Uber

AT HOME: R.D. #1, Box 44, Boalsburg, Pa.

Maureen O'Donnell and Carl L. Julian (E'60)

AT HOME: 7112 Downing Drive, Albuquerque, N. M.

Janet P. Reed (A'67) and Roy Bielh

AT HOME: 1860 North Prospect, Milwaukee, Wisc.

Ellen Weiser (M'66) and Howard Roback

AT HOME: 3460 Keele Street, Apartment 311, Downsview, Ontario, Canada.

Marion Borgogni and Donald W. Schroeder, Jr. (E'66)

AT HOME: 5607 Fair Oaks Street, Pittsburgh, Pa.

Elizabeth J. Hood (A'65) and Glenn M. Julian (E'67)

AT HOME: 335 North Locust Street, Oxford, O.

Pamela Abigail Mayer (M'66) and Edward D. Carey

AT HOME: 310 Lido Boulevard, Lido Beach, N. Y.

Ginia Davis (A'40) and Morris M. Wexler

AT HOME: 1801 Kennedy Boulevard, Philadelphia, Pa.

Roberta Augusta Waldenberg (M'66) and Leonard N. Schoenberg

AT HOME: 401 Route 22, Apartment 446, North Plainfield, N. J.

Colleen Cowling and Lee A. Kline (E'25)

AT HOME: 22449 Fairmount Boulevard, Cleveland, O.

Cassandra A. Tiedeman (A'62) and James N. Carroll

AT HOME: 1275 Rock Avenue, J-12, North Plainfield, N. J.

Claudia Watters (M'68) and Clare W. Mansperger (E'68)

AT HOME: 18160 Euclid Avenue, Cleveland, O.

Mary E. Whiteley (M'67) and Geoffrey K. Sigworth (E'67)

AT HOME: 93 Hampshire Street, Boston, Mass.

K. Hemlata Samuel and John R. Lepperd (IM'61)

AT HOME: 1722 19th Street, N.W., Washington, D. C.

Barbara A. Butler (M'67) and Thomas C. Kowalski

(E'67)

AT HOME: 376 Chatham Park Drive, Pittsburgh, Pa.

Guven Kaynak and Einar Berg (IA'67)

AT HOME: Svolders GT 2A, Oslo, Norway

Kathleen Murphy (M'61) and Mario Belluomini

AT HOME: 583 TA Oaklyn Court, Pittsburgh, Pa.

Barbara L. Dull (E'66) and Paul E. Clemens

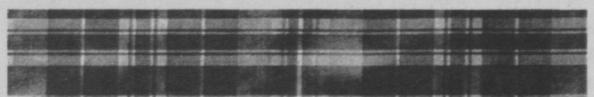
AT HOME: 2678 Montana Avenue, Apt. 210, Cincinnati, O.

Lenore R. Engelmann (M'68) and J. Barry Blakeley (A'68)

AT HOME: 1920 Cheremoya Avenue, Hollywood, Calif.

Elizabeth Garner (L'46) and James L. Mullins

AT HOME: 444 Hoodridge Drive, Apt. B-3, Pittsburgh, Pa.



'51

RICHARD G. GRISKEY (E) joined the Newark College of Engineering in April, 1968, as director of research and foundation research professor of chemical engineering. Dr. Griskey's new position is one in which he has responsibility for all of the research programs of the college. In addition, he is charged with building a quality full-time graduate program.

VICTOR A. TARDUE (PM) has been appointed production manager of the Greensboro, N. C., *Daily News* and the *Greensboro Record*. Mr. Tardue joined the Greensboro newspaper in 1967 as production engineer. He had previously been assistant general manager of Inland Newspaper Machinery Corporation, Kansas City, Mo., and for 12 years was with the Fargo, N. D., *Forum*.

Kenneth A. Roe and JOSEPH R. PNIEWSKI (A) have announced the formation of a partnership, Roe Associates, architects-engineers, with offices in Oradell, N. J.

ONORIO COLUCCI (E) of Wilmette, Ill., has been appointed director of manufacturing for Armour Industrial Chemical Company. Formerly director of corporate engineering for Armour and Company, Mr. Colucci started with the company in 1964 as a staff engineer. Before joining Armour he was with Pittsburgh Coke and Chemical Company and General Tire & Rubber Company.

HERBERT MATHIAS, JR. (E), president of A. H. Mathias & Company, Inc., Pittsburgh, has been elected treasurer of the International Association of Blueprint & Allied Industries.

Mr. and Mrs. PHILIP J. FLAD, JR. (A, and Marilyn A'52) and their four children spent last summer in Europe where Mr. Flad staged and directed "Krapp's Last Tape" and "Le Beau sur le Toit" in Holland, London, and Edinburgh. Mr. Flad serves as technical director for the drama department at San Jose State College, San Jose, Calif.

EDWIN A. WHEELER (E) has been promoted to development engineer, Advanced Control Units, for IBM. Mr. Wheeler joined IBM in 1950, and was most recently an advisory engineer for the firm.

We erroneously listed PAUL H. SETTLER (E) in the death notices in the December, 1968, issue of the *Alumni News*. We would like to apologize to Mr. Settler for this error.



Odioso '50

'52

DR. BARRY L. TARMY (E) of Berkeley Heights, N. J., has been named a senior engineering associate in the Esso Engineering Technology Department's Chemical Engineering Technology Division of Esso Research and Engineering Company, principal scientific and engineering affiliate of the worldwide Esso organization. Dr. Tarmy began his career with Esso Research in 1955, and served most recently as an engineering associate responsible for research on fluid solids and fluidization technology.

Mrs. David Konigsburg (ELAINE LOBL, M'52) was the recipient of the 1968 Newbery Award for the outstanding children's book of the year. The award-winning book is titled *Jennifer, Hecate, Macbeth, William McKinley and Me, Elizabeth*.

ROY H. DJUVIK (E) has been selected as the manager for a new plant which Rohm and Haas is establishing in Bristol Township, Pa. Mr. Djuvik has been employed by the firm since 1957 at the company's plant at Deer Park, Tex.



Lynch '52

ROBERT D. LYNCH (E) has been appointed plant manager for RCA's Defense Communications Systems Division, Camden, N. J. In his new position, Dr. Lynch will be responsible for quality assurance, materials, production administration, manufacturing cost control, advanced production techniques, and equipment assembly for the division.

'53

GEORGE E. DIETER (E) formerly head of the department of metallurgical engineering at Drexel Institute of Technology, has been appointed dean of the College of Engineering at Drexel. Dr. Dieter, his wife, and two daughters live in Narberth, Pa.

Two Fine Arts alumnae, NORMA TRUST SHERMAN and TERESA M. ROZEWSKI, displayed their works in an exhibit at the Providence, R. I., Art Club last November.

ROBERT J. LAUFER (E) joined the firm International Flavors and Fragrances as a project leader last November. Dr. and Mrs. Laufur live in Colts Neck, N. J.

The Pittsburgh Plan for Art recently presented a display of works of Elizabeth A. Voelker (A). Miss Voelker, a former Pittsburgh resident, has lived in San Francisco since 1958.



JAMES E. HOLTHAUS (E) works as a supervisory engineer for Westinghouse Aerospace Division in Baltimore, Md. Mr. Holthaus reports that in his present position he is responsible for developmental design of advanced avionics display systems. Mr. Holthaus, his wife, and nine children live in Severna Park, Md.



Dieter '53

JOHN T. LEE (E) has been promoted to Components Division manufacturing manager at the East Butler, Pa., operation of Magnetics, Inc. Mr. Lee is a resident of Valencia, Pa.

DOUGLAS K. MIMS, JR. (IM) has been named floor plant industrial engineer by Armstrong Cork Company, Lancaster, Pa. Prior to his new appointment, Mr. Mims served as plant industrial engineer at the company's Fulton, N. Y., plant.

'54

AUSEKLIS BRASTINS (E) of Fox Chapel, Pa., has been promoted to senior research engineer, instrument development section, systems and controls division, Gulf Research & Development Company, Harmar Township, Pa. Since joining Gulf Research in 1964 as a research engineer, Dr. Brastins has worked on computer automation of analytical equipment and seismic instrument noise problems in the systems and controls division.

JAMES DEININGER (PM) has been elected president of the Erie Concert Singers. Mr. Deininger is the owner of Deininger Printing Company, and lives in Winchester Heights, Pa.

WILLIAM G. BRUSSALIS, JR. (E) was recently promoted to manager of mechanical development of the Westinghouse Fast Breeder Reactor Program at Walth Mills, Pa. He previously held management positions in stress analysis and cope design in the Westinghouse Nuclear Rocket Program.

GEORGE BILLY, III (PM) has been named director and executive vice president of CompuPrint Corporation, the computerized typographical subsidiary of Corley Companies, St. Louis, Mo. Mr. Billy is executive vice president and general manager of Corley Companies.

The Alumni Office has learned of the death of the Rev. JAMES T. KERR (E) on October 12, 1968, in a traffic accident. The Rev. Kerr was a teacher at St. Andrew's School for Boys in Boca Raton, Fla.

F. MERK RYAN (E), of New Alexandria, Pa., recently delivered a paper at an international conference on the physics of semi-conductors in Moscow. Dr. Ryan is a fellow physicist of Westinghouse Research Laboratory.

LAWRENCE P. KEELAN (E) of Lower Burrell, Pa., has been appointed organizing chairman for the new Lower Allegheny Valley Chapter of the American Institute of Plant Engineers. The new chapter, being formed of members of the Pittsburgh Chapter, will include those in the field of plant engineering in the region east of Pittsburgh. Mr. Keelan has been plant engineer at PPG Industries' Springdale plant for four years.

'55

ALBERT F. PLANT (E) has accepted a new position as associate editor of *Industrial Research* magazine. Mr. Plant lives in Michigan City, Ind.

WILLIAM W. NOVAK (E) was named manager of services for the Dow Chemical Company last August. In his new position, Mr. Novak supervises distribution and traffic, purchasing, production, planning, quality control, customer services, and industrial engineering for the packaging division.



Pallan '55

RUDOLPH J. PALLAN, JR. (E) has been elected president and treasurer of the Somerset Foundry & Machine Company. Mr. Pallan was formerly vice president and general manager of the firm.

STANFORD H. ROSENBERG (PM), who has been associated with Herbrick & Held Printing Company, has been elected president of Instant Copy Centers, Inc. The new Pittsburgh firm specializes in size-reduction and duplicating of electronic data processing printouts, although the service also includes reproduction of conventional business forms.

Bishop '55



JAMES E. BISHOP (E) has been appointed products manager for Rockwell Manufacturing Company's Measurement & Control Division. He will be headquartered at the company's Statesboro, Ga., plant and will be responsible for application engineering, service, export and other functions for all Measurement & Control product lines. Mr. Bishop joined Rockwell in 1962.

DONALD F. DAVIES (E) of Monroeville, Pa., has been named manager of management systems for the Atomic Equipment Division of Westinghouse Electric Corporation, Harmar Township, Pa. Mr. Davies will have departmental responsibility for the division's data processing systems, reproduction and communications.

'56

WILLIAM S. MINKLER (E), senior engineer at Westinghouse Electric Corporation's Bettis Atomic Laboratory, writes a regular monthly column in *Nuclear News*, the news magazine of the American Nuclear Society. Dr. Minkler has also contributed several articles to *MUSIC/The American Guild of Organists Magazine*.

ROGER B. GREGORY (E) is president of the new firm, International Telecomputer Network Corporation, The Bethesda, Md., based company has been formed to provide time-sharing, remote access, and batch processing computer services in major population centers throughout the United States and Canada.

RICHARD A. WOLFE (E) was appointed and sworn in as the new Baldwin-Whitehall, Pa., school director on July 10, 1968. Dr. Wolfe is employed by the Westinghouse Electric Corporation at the Bettis Atomic Laboratory.

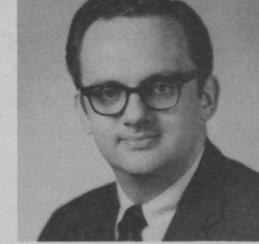
Gibbs Underwear Company announced the appointment of WILLIAM H. MEANOR (E) to the new post of executive vice president. Initially, Mr. Meanor's responsibilities will be primarily in the administrative and financial areas with emphasis on planning and control. Before joining Gibbs, Mr. Meanor was director of administration for the Celandine Fibers Marketing Company.

M. EDWARD ROSENBLUM (PM) was recently appointed director of manufacturing for the McGraw-Hill Book Company. Prior to his new appointment, he was general manager of the Manufacturing Services Division. Mr. Rosenblum, his wife, and two children live in Teaneck, N. J.

ROBERT S. WILSON (E) has been elected assistant vice president, Trust Division, of the Pittsburgh National Bank. Mr. Wilson has been with the bank since 1965. In August, 1967, he was named manager of the Bank Properties Department.

WILLIAM J. GRUNER (IM) of Naugatuck, Conn., died on November 8, 1968. Mr. Gruner had been hospitalized since 1965.

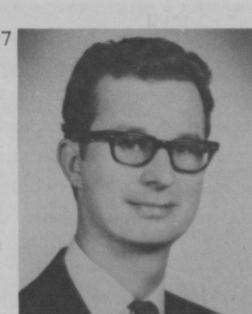
Rosenblum '56



ROBERT H. TUZIK (A), of Basking Ridge, N. J., became a partner in the architectural firm of Ludlow & Jefferson, specialists in schools and libraries, on July 1, 1968. As a partner, Mr. Tuzik will assume full partnership responsibilities in the management and administrative areas of the business as well as continue his normal architectural duties.

KPA Computer Techniques, Inc., of Large, Pa., and Newark, N. J., announced the appointment of DR. WILLIAM J. O'DONNELL (E) as advisory engineer. Before joining KPA, Dr. O'Donnell served as an advisory engineer at the Westinghouse Bettis Atomic Laboratory, where he had worked for the past ten years.

O'Donnell '57



'58 ROBERT F. KEYSER (E) has been named a partner in the firm of Scheeser and Buckley, consulting engineers, of Akron, O. Mr. Keyser joined the firm in 1965 as an engineer and project manager.

JOHN D. TUCCI (E) has been promoted to supervisor of inspection of Copperweld Steel Company's Wire and Cable Division plant at Glassport Pa. Prior to his new assignment, he was a metallurgist in Copperweld's Research and Development Department. Mr. Tucci joined the company in 1963.

FRANK L. MC GEARY (E) has been named chief metallurgist at Alcoa's New Kensington, Pa., Works. Prior to his transfer, Mr. McGarry was leader of the Materials Performance Group, Chemical Metallurgy Division, of Alcoa Research Laboratories. He began his career with Alcoa in 1946.

DINO SAVIO (A) of New Canaan, Conn., has announced the opening of his own office for the practice of industrial design and graphics. Mr. Savio formerly was with Eliot Noyes and Associates as project manager of industrial design for the Office of Products Division for IBM. Before coming to New Canaan, he was with Henry Dreyfuss and Associates in New York City.

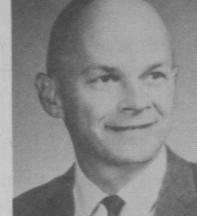
Hauck '58



ELDON W. HAUCK (E) has been appointed chief applications engineer for Norton Company's NOROC armor products. In this capacity, he will have responsibility for applications/project engineering. Mr. Hauck has been a product engineer in the NOROC armor products section since joining Norton in 1966.

DONALD D. ROSENKRANS (PM), of Brighton, N. Y., has been promoted to general foreman, multiple-part form production, at Burroughs Corporation, Business Forms and Splicing Group. In his new position, Mr. Rosenkrans will be responsible for the printing and finishing of multiple-part forms in the Rochester Eastern Printing Plant. He has been with the firm since 1958.

Hehlen '58



WILLIAM HEHLEN (PM) has assumed the general management of Knapp Printing Company, Salem, Ore. Mr. Hehlen comes to Salem from his former home in Huntington, Long Island. He spent ten years with Graphic Controls Corporation of Buffalo, N. Y., serving as manager of their Brooklyn plant for the past two years.

ROBERT J. BENKE (E) is currently employed as manager, industrial technical publicity, in the Technical Information Department at Westinghouse Electric Corporation, Pittsburgh.

The *Alumni News* inaccurately reported in the December issue that RICHARD BLOCK was co-founder and co-producer of The Actors' Theatre of Louisville, Ky. Mr. Block was the sole founder and continues as producer and director of the theater, which will be completing its fifth year this spring.

'59

JOHN W. PHILBRICK (E) completed requirements for his Ph.D. in physics at the University of Pittsburgh last October. Dr. Philbrick is now working as a staff physicist in the Components Division of IBM in East Fishkill, N. Y.

HENRY W. CUMMINGS (E) is a patent attorney for P. R. Mallory & Company, Indianapolis, where he is responsible for the patent assets of the capacitor and metallurgical divisions.

WILLIAM R. SNYDER (E) has been with Westinghouse Electric Corporation's Atomic Power Division for nine and one-half years. He is presently a lead engineer on nuclear plant containment and ventilation systems. Mr. Snyder is married and the father of five children.

EDWARD A. WESTFALL (PM) joined the Kelly Printing Company of Seattle, Wash., last February as its general manager. Mr. Westfall had previously served with Pioneer Business Forms, where he was general manager of its sheet fed plant in Tacoma, Wash.

DR. J. J. GESEK (E) has been appointed senior research engineer, Process Design Division, Process Engineering Department, at the Richmond Laboratory of Chevron Research Company, the research and engineering subsidiary of the Standard Oil Company of California.



HERMAN J. HITTNER (IM) has transferred to Aluminum Company of America's Waukegan Operations as smelting division engineer. He transferred from the company's Pittsburgh office where he served as senior environmental engineer. Mr. Hittner joined Alcoa in 1953 as a junior designer in the Pittsburgh office and was later named staff mechanical engineer. He was promoted to supervisory engineer in 1963 and joined the Pittsburgh office's environmental engineering division in 1967.

WALTER C. LABYS (E) has been awarded a doctor of philosophy degree in economics from the University of Nottingham, England. Dr. Labys wrote his thesis on "Commodity Price Fluctuations: A Short Term Explanation for Selected Commodities on the American Market." Dr. Labys has studied for the past three years in England under a special grant from the University of Nottingham. He also studied for three years in the doctoral program at Harvard University.

RICHARD GIURLANDO (A) has recently become a partner of the graphic and industrial design firm of Fallon, Watson & Giurlando, Inc., Rochester, N. Y. Before joining Fallon, Mr. Giurlando was a senior designer in the Corporate Design Center of Xerox Corporation.

ROBERT T. DEHOFF (E) is coauthor of a book, *Quantitative Microscopy*, recently published by the McGraw-Hill Book Company. Dr. DeHoff, an associate professor in the department of metallurgical and materials engineering at the University of Florida, Gainesville, collaborated with Dr. Frederick H. Rhines, chairman of the department, in writing the book.

CARL W. PAXTON (E) has been named to the sales engineering staff for mill equipment at the E. W. Bliss Company's Rolling Mill Division in Salem, O. Mr. Paxton, a former member of Bliss' corporate engineers' development program, has held several positions in the estimating and proposal engineering departments of the Salem division since he joined Bliss in 1960. Prior to his recent appointment, he was assistant chief proposal engineer.

ROBERT C. HAMMER (PM) has been elected vice president and treasurer of Hammer Graphics, Inc., of Piqua, O.

'60

FREDERICK S. HAMMER (IA), former director of the research division of the Federal Deposit Insurance Corporation, has been appointed president and chief executive officer of Leasco Systems and Research Corporation, Bethesda, Md. The firm is a subsidiary of Leasco Data Processing Equipment Corporation.

MICHAEL BASS (E), senior research physicist at Raytheon Company, recently presented a paper at the Northeast Electronics Research and Engineering Meeting. The paper described work in Raytheon's Research Division on a new type of laser using a solution of an organic dye in a liquid or plastic host as its active medium. Dr. Bass, his wife, and two children live in Watertown, Mass.

JOHN C. FRIEDLY (E) has become an assistant professor of chemical engineering at the University of Rochester. Dr. Friedly was formerly with General Electric Company's Research and Development Center in Schenectady, N. Y.

Mr. and Mrs. MYRON E. BERNSTEIN (IM, and MARGERY MORGAN, M'62) have moved to Milwaukee, Wis. Mr. Bernstein left his position at Jones and Laughlin Steel Corporation, Pittsburgh, after six and one-half years of service, most recently as assistant supervisor, labor relations, at the Pittsburgh Works. He now serves as manager, union contract administration, for the Allis Chalmers Manufacturing Company.

LESTER R. BEATTY (IM), senior programmer and analyst for the Bunker-Ramo Corporation, Stamford, Conn., was recently named "Outstanding State Chairman in the United States" by the U. S. Junior Chamber of Commerce. Mr. Beatty also served as a member of the honor guard at the Republican National Convention.

DR. I. STEPHEN TUBA (E) was elected "Outstanding Engineer for 1968" by the Pittsburgh Section of the American Society of Mechanical Engineers. Dr. Tuba is manager of analytical mechanical research for Westinghouse Electric Corporation.

WILLIAM W. RALEIGH (E) was appointed manager, systems planning and development, for the National Lead Company, New York, N. Y. Mr. Raleigh joins National Lead after having been associated with Westinghouse Electric Corporation since 1962 in various management systems positions.

ROBERT W. WOLFF (A) is serving as a member of the editorial board of *Theatre Design and Technology*, the journal of the U. S. Institute for Theatre Technology, Inc. Before coming to CMU as an assistant professor this fall, Mr. Wolff worked as production coordinator for the Penn State Festival Theatre and designed a thrust production of "The Rivalry."

HAROLD L. DESILETS (E) has recently moved from the Papermate Pen Company to the Stoody Company, where he holds a sales position consulting on customer welding problems. Mr. Desilets, his wife, and two children are just getting settled in their new home in La Habra, Calif.

Deaths

E'09	Harry S. Anderson
I'09	Joe J. Savage
M'10	Mrs. Beatrice Bayless (Beatrice Hill)
M'10	Elizabeth P. Tebbets
M'11	Mrs. J. H. Graybill (Anna Dowdell)
E'11	Jay E. White
I'12	P. C. Elsey
L'13	Edith Endicott
L'14	Alice R. Gillim
I'14	Glen O. Morford
E'14	Earle B. Burke
A'15	William H. Kirchenbauer
A'15	Mrs. Martha Morris (Martha Hunt)
A'15	John L. Ruth
E'16	John L. King
A'16	Bernard B. Spigel
E'17	Andrew Carnegie
I'17	Laurence B. Hill
I'17	Leroy N. Strayer
I'17	Phil C. Twiford
E'17	Frank K. Ziegler
A'18	George E. Trent, Sr.
A'18	Benedetto Bocchicchio
M'19	Mrs. Herbert E. Ryerson (Katharine Kirk)
E'20	William K. Fawcett
E'20	J. A. Gerber, Jr.
E'20	David C. Saylor
E'20	George N. Flocos
E'21	Clarence B. Schmidt
A'21	Edwin A. Early
E'21	Ernest W. Summers
E'22	Arthur J. Frazier
M'23	Mrs. Hood Van Der Arend (Dorothea Wood)
A'23	Mrs. Robert O. Barstow (Marion Huse)
A'24	Vincent Roy
I'24	John H. Ferguson
M'25	Mrs. Howard E. Dykeman (Mary E. Speers)
A'25	James R. Resley
I'25	Thomas R. Searson
E'25	Emil T. Swanson
A'26	Frank T. Rubenstein
I'30	Irving F. Coveny
A'30	Mrs. Scott Faron (Gladys Abbatichio)
A'30	Mrs. Dwight Hockensmith (Ruth Bell)
I'30	Herman D. King, Jr.
E'30	Charles A. Miller, Jr.
A'31	John R. Donald
PM'31	Bert Toth
A'32	David Grey
I'33	Elmer R. Burnett
A'33	Mrs. Dorothy E. Kohn (Dorothy E. Auten)
I'33	George O. Myers
I'33	Kenneth G. Walters
E'34	Charles E. Beeble
E'36	Clifford I. Dolaway
M'37	Mrs. A. Horvitz (Beatrice Steinert)
A'37	John W. Ross
A'37	Mrs. Dwight Magowan (Norine E. Hoburg)
E'38	C. J. Anderson
A'40	Ottmar F. Von Fuehrer
M'44	Katherine A. Laboon
M'44	Sr. Mary Constance Ruprecht
M'44	Betty J. Whitehead
M'46	Mrs. John M. Cowan (Joan S. Gordon)
M'47	Mary E. Barr
E'50	Frank G. Alster, Jr.
E'50	George R. Bauer
E'51	Richard E. Ashwill
E'54	Rev. James T. Kerr
E'56	Harold W. Micosky
IM'56	William J. Gruner

'61

OTIS L. "JERRY" SMITH (A) has been named vice president and national sales manager for ABC Films, Inc. In his new position, Mr. Smith will be responsible for all domestic sales activity. He has been eastern division manager of ABC Films since 1965, and in April, 1968, was elected a vice president of the company. Prior to that he was with Twentieth Century-Fox Television. Mr. Smith lives in Weston, Conn., with his wife and two children.

Army Doctor (Capt.) DAVID W. MORRIS (E) completed the medical service officer basic course at Brooke Army Medical Center, Ft. Sam Houston, Tex., October 11. The five-week course provides basic branch training and orientation for newly commissioned Medical, Dental, and Veterinary Corps officers.

FRANK D. BUTSCHER (E) has recently joined Philco-Ford's WDL Division in the advanced technology operation. He reports that his responsibilities include conceptual design and prototype development of advanced antennas and antenna components.

HENRY T. CARMICHAEL (E) was named head of analytical services for the research laboratories of the Georgia Kaolin Company of Elizabeth, N. J. The firm does research in fine paper coatings, paints and clay products.

'62

HAROLD P. ERICKSON (E) completed requirements for a doctor of philosophy degree from the biophysics department of Johns Hopkins University in June, 1968. Mr. Erickson's thesis was concerned with research into the structure of DNA.

MR. AND MRS. FRANCIS J. LANG (PM, and DONNA FLYNT, A'63) live in New York City, where Mr. Lang is manager, pricing and estimating, for Bowne and Company, a financial and corporate printing firm, and Mrs. Lang is fabric editor for *Vogue Pattern Magazine*.

MARTIN E. FEIGENSON (E) is attending Yale Medical School, where he is working towards his Ph.D. degree in pharmacology. Mr. Feigenson is specializing in cholinergic neuropsychopharmacology.

STEPHEN HEYS, JR. (E) has been named general foreman-electric weld, high-strength and couplings maintenance at United States Steel Corporation's National Works. Mr. Heys joined U. S. Steel in the summer of 1962 as a student engineer. He and his wife live in North Versailles Township, Pa.

MICHAEL DAVID FRIEBAND (IM) was awarded an M.S. degree in industrial management by the Polytechnic Institute of Brooklyn last June.

'63

WILLIAM R. MC MUNN (E), of Willimantic, Conn., has been appointed an assistant professor of English at the University of Connecticut. Dr. McMunn received his master's degree in English from Northwestern University and his Ph.D. in English from Indiana University.

KURT S. JOHNSON (E) is superintendent, Lube Console and Piping Division, of the Elliott Company, Jeannette, Pa. Mr. Johnson received an M.B.A. degree from the University of Pittsburgh in 1967, and is a registered professional engineer. He and his wife live in Forest Hills, Pa.

DAVID NATHANIEL BILOW (A) is now a registered architect in the state of New York. Mr. Bilow is with the firm of Warner, Burns, Toan, and Lunde in New York City.

Mrs. Robert D. Meserve (CAROL A. HAMMOND, M) is presently serving as a microbiologist, virology, in the Department of Pathology at Henry Ford Hospital, Detroit, Mich.

DR. JAMES H. POELLAT (E) has returned to the CMU faculty after spending two years as an engineering education advisor to the faculty of engineering at Kabul University, Kabul, Afghanistan.

DR. JAMES A. CLUM (E) is presently doing post-doctoral research in the field-ion microscopy group of the Department of Metallurgy at Cambridge University, England.

BRUCE D. YOUNG (A) has resigned his instructorship at the University of Illinois, and is presently employed as a pilot-flight engineer for Continental Airlines, Inc. Mrs. Young is the former KATHERINE HOPKINS (M'63).



PETER NEVARD (A), director of the Peter Nevard Studio, New York, reports that he is currently doing a film for Tenoco Chemicals based on a show that he created for the firm. He is also shooting fashions for Sousse of France.

IRWIN Z. FRIEDMAN (IA), manager, business development analysis, for Westinghouse Electric Corporation, Pittsburgh, has just returned from Horsehead, N. J., where he was manager of financial planning for the Electronic Tube Division of Westinghouse. Mr. Friedman has also served for one year as a lecturer of mathematics at Elmira College, and has spent two months in Caracas, Venezuela, for Westinghouse.

REID B. CROOKSTON (E) of Verona, Pa., has been named a senior research engineer at Gulf Research & Development Company. Dr. Crookston joined Gulf in 1966, and was most recently employed there as a research engineer in the petrochemicals division.

Alumni Association

EXECUTIVE BOARD

President J. Howard Joyn, E'25
President Elect William J. Moore, E'35
Alumna Vice President Mrs. S. L. Woolley, M'32
Regional Vice Presidents: (I) Derek Martin, A'44
 (I-A) Albert C. Redding, E'31
 (II) Frederick K. Lacher, E'43
 (III) John E. Laynor, E'54
 (IV) Roger E. Beal, E'44
 (V) John H. Davis, Jr., PM'34
 (VI) Mrs. Joseph P. Luther, M'42
Ex Officio William A. Conwell, E'29
Recording Secretary Mrs. Edward W. Demmler, M'44
Alumni Fund Chairman Theodore A. Burts, E'42
Carnegie-Mellon Admissions Council Representative Edward D. Harvey, E'39
Athletic Council Representative

Virgil D. Cantini, A'46
Homecoming Chairman C. Berl Groomes, E'49
Tour Committee Chairman Alfred S. Andrew, I'26
Student Representative Ronald Haan
Director, Alumni Relations Robert G. McCurdy
Associate Director Wanda Garver
Associate Director R. Keith Fogle
Recorder Mrs. Margaret Lampard

'64

C. WAYNE SIMPSON (E), a mechanical engineer at Armc's Butler Works since 1964, has been promoted and transferred to the company's corporate headquarters in Middletown, O., as an industrial hygiene engineer. In his new assignment, Mr. Simpson will be responsible for conducting company-wide studies on environmental factors that include ventilation, noise, illumination, dust, heat, and toxics. During the past two years, he has helped develop a comprehensive industrial hygiene program at the Butler Works.

CARL I. HUBER (E) received a Ph.D. in chemical engineering from CMU in 1968. Dr. Huber has recently moved to the Buffalo, N. Y., area where he is working for E. I. du Pont de Nemours & Company. The firm is starting a new plant in Tonawanda to produce a new Du Pont building product.

GARY J. LONG (E), a National Institute of Health research fellow at Syracuse University until receiving his Ph.D. in September, 1968, is now an assistant professor of chemistry at the University of Missouri.

VIRGINIA A. MILJUS (M), a business teacher at Chartiers High School, Pittsburgh, received a master's degree in education from Duquesne University in June, 1968.

THOMAS R. MERLINO (E), a commissioned officer in the U. S. Public Health Service, is serving as a field representative for the National Air Pollution Control Administration. Mrs. Merlino (NANCIE SUTHERLAND, M) is a research assistant at the Cornell School of Medicine.

PAUL J. CARLSON (E), a project director for Westinghouse Electric Corporation, Pittsburgh, reports that he is currently designing computer systems for use in industrial process control.

RICHARD P. BOLICK (E) completed three years active duty with the U. S. Army last January. Mr. Bolick spent most of his tour of duty at White Sands Missile Range in New Mexico as a missile test officer. Mr. Bolick is now a senior analytical engineer for Pratt & Whitney Aircraft, East Hartford, Conn.

THOMAS J. GROSS (IA) assumed the position of systems analyst for the Systems Research Corporation, Washington, D. C., in October, 1968.

DUANE C. PALMO (A) received a master of arts degree in radio and television from The Ohio State University in August, 1968. Mr. Palmo is now working as art director of WLWC-TV, Columbus, an Avco Broadcasting Corporation owned station.

JOHN E. ROBERTS, JR. (E) successfully completed the engineering training program of Stone & Webster Engineering Corporation last October. Mr. Roberts is a resident of Reading, Pa.

GAZI H. SULTAN (A) has been assigned by the government of Kuwait to work on the Master Plan of Kuwait with Colin Buchanan & Partners. He also reports that Kuwait's first art gallery, The Sultan Gallery, was recently opened.

PHILIP A. MEYERS (E) has begun studies at the Graduate School of Oceanography at the University of Rhode Island, where he is working towards a degree in oceanography.

HAYDEN L. LIPP (E) recently joined the Du Pont Company's Commercial Resins Division, Research Section, at the Experimental Station Laboratory, near Wilmington, Del. Dr. Lipp received his doctorate in organic chemistry from the University of Illinois in October, 1968.

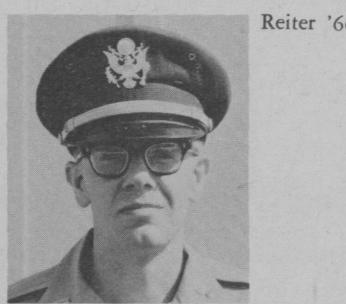
Dr. and Mrs. LOUIS J. DEZERAN (A, and MICHELLE, A) have both finished their studies at Wayne State University, where Michelle received her M.A. and Louis his Ph.D. in June, 1968. Dr. Dezseran taught acting for San Francisco's A.C.T. last summer, and both are presently acting in winter stock at Bucks' Playhouse, New Hope, Pa.

CARL K. HVOZDA (E) has been appointed production design engineering supervisor at Fisher Scientific Company's Indiana, Pa., plant.

'65

E. REX MOORE (A) has joined the power tool engineering staff at the Willard F. Rockwell Research and Development Center of Rockwell Manufacturing Company. As a development engineer, Mr. Moore will be engaged primarily with the development of Rockwell's stationary power tool line.

K. DALE RITCHIEY (E) has spent the last year working in Algeria as an agronomist for the American Friends Service Committee's community development team. Mr. Ritchey's central project was introducing soybeans to the area as a food crop.



Reiter '66

'66

ROBERT H. RAHISER (IM) has been promoted to the position of manager of quality assurance for Westinghouse Electric Corporation's Nuclear Fuel Division plants in Harmar Township, Pa., and Columbia, S. C. Mr. Rahiser will be directly responsible for assuring that quality levels are maintained and that all manufactured products of NFD are in strict accordance with applicable products and specifications.

RONALD N. KUDRA (E) was recently promoted to captain while attending the U. S. Army's Vietnamese language training school at Ft. Bragg, N. C. He will be reassigned to duty in Vietnam. Capt. Kudra entered the Army in 1965 as a second lieutenant. He attended artillery school at Ft. Sill, Okla., underwent airborne and ranger training at Ft. Benning, Ga., and served as operations officer at the Army's installation in Absenberg, Germany, before being assigned to language school.

WILLIAM W. BREWER (A) is currently enrolled at the Lutheran Theological Seminary at Gettysburg, Pa., pursuing a course of studies which will culminate in a Bachelor of Divinity degree.

ARTHUR CELEDONIA (A) completed two years of service with the U. S. Army last August. Mr. Caledonia received a Bronze Star for meritorious service while stationed at Long Binh, Vietnam. He is now studying in Basel, Switzerland.

LEO B. FOX (IM) recently received an M.B.A. from the Wharton Graduate School of the University of Pennsylvania.

DAVID A. ALLSHOUSE (E) has been promoted to Lieutenant (jg), U. S. Naval Reserves. He remains assigned to Fleet Computer Programming Center Atlantic, Dam Neck, Va.

Mr. and Mrs. BRIAN J. HALES (E, and JACQUELINE J. KWASNIEWSKI, A) are both attending the University of Minnesota, where Mr. Hales is a candidate for the Ph.D. in physical chemistry and Mrs. Hales is a second year graduate student in child psychology at the Institute of Child Development.

DR. FRANK J. TARANTINE (E), associate professor of mechanical engineering, William Rayen School of Engineering, Youngstown State University, will have his paper, "Water Hammer Attenuation with a Tapered Line," published in the March, 1969, edition of *The Journal of Basic Engineering*. The journal details the transactions of the American Society of Mechanical Engineers.

ARMY Second Lieutenant RICHARD S. REITER (E) completed the mechanical maintenance officer course in November at Aberdeen Proving Ground, Md. During the eight-week course, he was trained to supervise personnel engaged in the repair of conventional Army materiel. Lt. Reiter had previously completed a nine-month ordnance officers advanced course at Aberdeen Proving Ground.

LAWRENCE A. MILLER (A) is currently an assistant professor of theater and speech at the College of William and Mary, Williamsburg, Va. Mr. Miller reports that he is designing sets, lights, and costumes for the department of theater's major productions and teaching set and costume design. Mrs. Miller is the former LILENE MANSELL (A).

THOMAS STEPHEN TERPACK (A) passed his Pennsylvania State Architectural Examination in June, 1968, and is now a registered architect working for the firm of Lawrence & Anthony Wolfe in Pittsburgh.

STEPHEN L. FREEDMAN (IM) received his M.B.A. degree from Case Western Reserve University, Cleveland, in June, 1968. While in Cleveland, Mr. Freedman served as an alumni advisor for the CMAC. He is currently a doctoral fellow in the Graduate School of Business, University of Pittsburgh. He and his wife (SHARON PODOLSKY, M) and daughter, Randi Sue, currently reside at 733 Garden City Drive, Monroeville, Pa.

PHILLIP KASH (E) has been working as a customer engineer in Pittsburgh National Bank's Time Sharing Department since last October. Mr. Kash, his wife, and one-year-old son live in West Mifflin, Pa.

'67

GARY A. BOWDEN (A) spent the summer working in a study program with the Baltimore firm of Rogers, Taliaferro, Kostritsky and Lamb, architects. Mr. Bowden is an instructor at Hampton Institute School of Architecture.

The New Hampshire Education Association Executive Board announced the appointment of WILLIAM N. MURPHY (M) to the association staff. Mr. Murphy serves as a regional representative, whose main responsibility is to provide a liaison between the NHEA and local education associations in the western New Hampshire area. In addition to his part-time duties with the NHEA, Mr. Murphy is the coordinator of social studies for the Dresden School District, which covers the Hanover and Norwick, N. H., area.

DR. NORMAN LOFLAND (A), department of speech and theatre arts faculty member at the University of Bridgeport, reports that he directed a dramatized version of Joyce's "Finnegan's Wake" for the Edinburgh, Scotland, festival this past summer. Dr. Lofland also read a paper at the AETA Convention last year.

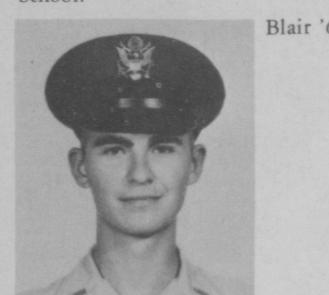
SANFORD LEFF (IM) is a customer engineer for Pittsburgh National Bank's newly formed computer time sharing services.

ANNE COULTER (M) is living in Chicago, where she is a public relations writer for the Commonwealth Edison Company. Miss Coulter spent six weeks in the Orient before beginning work in February, 1968. She is rooming with CLARA VANDERZEE (M'68), who is a copywriter with Marshall Field & Company.

'68

DAVID W. BOXALL (A) was one of 28 trainees who were graduated recently from a VISTA training program at the VISTA headquarters in New York, N. Y. As a Volunteer in Service to America, Mr. Boxall will spend one year working with the Western Dairyland Economic Opportunity Commission, Inc., in Whitehall, Wis.

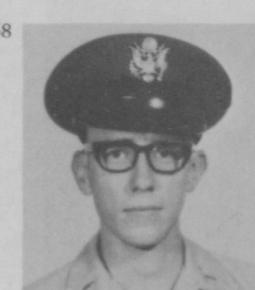
Second Lieutenant EDWARD L. WIEHE (E) has been designated an honor graduate of the Regular Army Field Artillery Officer Basic Course of the U. S. Army Artillery and Missile School.



Blair '68

Three '68 graduates have been commissioned second lieutenants in the U. S. Air Force upon graduation from Officer Training School at Lackland Air Force Base, Tex. They are: DAVID P. BLAIR (E), RONALD H. CLARK (E), and HAROLD N. Houser (E).

Houser '68



CHRISTINE DAVIS (M), SUSAN HALLIDAY (M), and Clarinda Corbett (M'69), visited Andrew Carnegie's birthplace in Dunfermline, Scotland, while touring Europe last summer.

