



university of bridgeport/bridgeport, connecticut

winter 1972

DR. FITCHEN APPOINTED DEAN OF COLLEGE OF ENGINEERING

Aims to Make U.B. Leader in Engineering Education

Dr. Franklin C. Fitchen has been appointed Dean of the College of Engineering to succeed Dr. Willard P. Berggren.

A graduate of the University of Rhode Island, Dr. Fitchen received a master's degree from Northeastern University and his doctorate from Yale University. He is the author of numerous technical articles and two text books: *Electronic Integrated Circuits and Systems* and *Transistor Circuit Analysis and Design*. He is co-author of a third book scheduled for publication in the near future, *Low Noise Electronic Design*. Dr. Fitchen has held positions with General Electric Company, U.S. Army Ordinance Corps., and the University of Rhode Island. Prior to his appointment as Dean, he held the position of Professor and Chairman of the Electrical Engineering Department, South Dakota State University.

In a message to the Faculty of the College of Engineering, Dr. Fitchen suggested action and accomplishment on a number of fronts in order to make U.B. the clear leader in engineering education in New England. He called for continuing program improvements and faculty development, improved facilities, better research posture, more publications from the faculty, expanded continuing education offerings, and additional numbers of undergraduate and graduate students.

Dr. Fitchen remarked that on-going activities such as the Co-op Program will help in attaining high goals for the College of Engineering. He said that additional assistance from alumni and from industry is highly desirable, and adequate support for the TV system will be of great assistance. He added that within the University, increased faculty productivity is the key to a stronger Engineering College.

He spoke of College goals. "The seeds have been planted for us to reach four obtainable objectives:

- Provide excellence in educational programs;
- Become indispensable to industry and the University;
- Become a center of expertise;
- Perform significant relevant research.

"We have a good faculty, good programs and a geographical location that is second to none. These resources should allow us to become the leader in service to students, the University and the community."



Dr. Franklin C. Fitchen

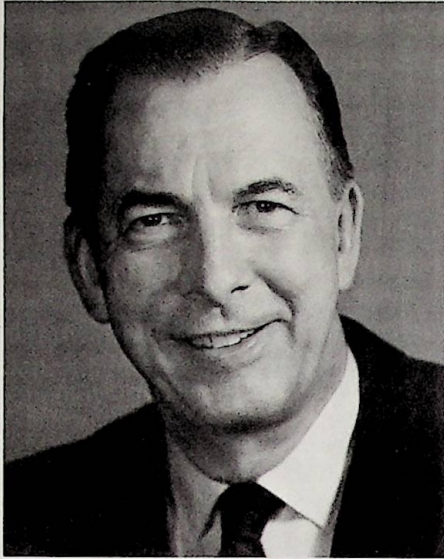
Biomedical Engineering; a New Profession

by Dr. Couros Ghaznavi

One of the new specialties emerging from engineering colleges is Biomedical Engineering. Early efforts to introduce this field have been informal. Some medical and biological personnel have tried to learn the principles behind the technical equipment used in their work. Some researchers in the life sciences have studied engineering and obtained degrees in this field. There are also examples of engineers having obtained the MD degree, not only to learn the field of medicine, but also to be able to contribute on an equal basis with physicians. This was done in some cases because engineers felt that they were being treated like technicians by medical people.

In recent years, the value of organized interdisciplinary education has been widely recognized. Biochemistry and molecular physiology are examples of successful interdisciplinary programs. These areas, of

(Continued on page three)



Edward N. Cole

G.M. President:

MANUFACTURING ENGINEERING IS IMPORTANT NEW DISCIPLINE

by Martin Morris

Manufacturing Engineering education has been gaining considerable recognition from both the academic and industrial communities in recent years. SME Honorary Member and General Motors President Edward M. Cole said on April 21, 1972 at the University of Michigan College of Engineering Spring Conference: "As members of the scientific and technical communities, we have several new challenges in the United States. . . . Many of these come to a focal point in Manufacturing Engineering — a new discipline. No longer can manufacturing be served by compartmentalized disciplines such as mechanical, electrical, and industrial engineering. Manufacturing is a broad based operation and must be closely integrated with the social and technical problems of the day."

Manufacturing Engineering has not been generally accepted as a separate discipline in itself by most universities and engineering schools. Its de facto importance, however, has made the principles of manufacturing engineering an integral part of nearly all engineering programs. Usually, courses revolving around the principles and applications of the manufacturing discipline have been offered in two departments — Mechanical Engineering and Industrial Engineering. In a recent study conducted by the SME National Education Committee, five schools said they have full curriculum status for Manufacturing Engineering at the undergraduate level. The five universities are: Boston University, *University of Bridgeport*, University of Illinois-Chicago Campus, Utah State University, and the University of Vermont.

The most encouraging statistic produced in the survey was that twenty-three institutions reported that within three to five years they planned to either substantially expand course selections concerning Manufacturing Engineering or offer complete programs in the discipline.

Besides academic recognition of Manufacturing Engineering, governmental recognition through licensing is now beginning to take place. The Vermont Board of Registration for Professional Engineers adopted a recent ruling incorporating Manufacturing Engineering as one of their fifteen separate areas of registration. The State of California is about to become the second state to register Manufacturing Engineers. At a public hearing on the 18th of August, a petition to begin registration for Manufacturing Engineers was given an unofficial approval. State law in California requires a test period of thirty days before any ruling of the Registration Board becomes official. Assuming everything goes smoothly, as it has thus far, professional engineers in California will soon have the option of registering as Manufacturing Engineers if they pass the state requirements.

Several decades ago, practically anyone mechanically inclined could understand and master the most complex aspects of manufacturing. Today only a small percentage of engineers can even comprehend the wide range of sophisticated processes, equipment, and methodologies of manufacturing. Clearly, the future will demand even more sophistication in this field and participants will have to possess knowledge and skills far beyond those previously required.

Martin Morris is editor of the SME Newsletter. This article is condensed and extracted from the Fall, 1972 issue of the SME Newsletter.

New Course Offering in Spring in Management Engineering

The masters program in Management Engineering is now in its third year, having grown considerably in student enrollment and course offerings. Next Spring, a new offering is scheduled which engineering and business managers may wish to take for credit or as auditors. The course, "The Manager and Technological Innovation" (Mfg. Eng. 597), is to be offered by Professor Dilloway.

Technology has become a dominant force in the environment. More and more management decisions involve new technology, or are based upon assumptions about future technology and its impact on an aspect of operations or policy. The engineering manager must learn to deal more effectively with technological aspects of his work and the environment.

The goal of this course is to provide insight, concepts, and practice for the improvement of one's skill in dealing with the technological dimensions of the manager's world. Class work will be structured around the following activities: analysis of actual business cases; discussion of assigned readings; and concurrent study of the technological environment and activities affecting an actual firm and product area. The matter may be assigned but preferably it will come from the class participants and will be job related. Resource material will be taken from the contemporary literature of the field and occasional guest speakers.

For further information, contact Professor Dilloway, Director of the Management Engineering Program.

Job Market Healthy, Continued Improvement Expected

The 1972 graduates of the College of Engineering entered an employment market which had no shortage of jobs according to a report issued by the Engineering Manpower Commission of the Engineering Joint Council. The report further indicated that salary scales have continued to rise, although by a modest amount, and that engineers again placed ahead of practically all other graduate groups in terms of starting pay. The Commission based its report on the compilation of placement and salary data from 260 colleges, universities, junior colleges, and technical schools.

PLACEMENT STATUS OF 1972 ENGINEERING GRADUATES			
	BS	MS	PhD
Employed	54%	63%	78%
Full-Time Study	20	19	2
Military	9	7	2
Other Plans	2	4	9
Considering Job Offers	5	3	3
No Offers or Plans	11	4	5

In order to help interpret the data EMC asked the placement directors to give their personal evaluation of the employment situation. Typical comments of the placement director indicated that they had no difficulty in placing new engineering graduates. Some placement officers mentioned the development of a new attitude among many of their graduates that seems to explain the numbers without specific plans. With lessening pressure from the draft, some students seem to be taking a more relaxed approach to the world of work and are simply postponing their career commitments for a few months while they size up their future objectives. In addition, the new graduates note that jobs are sufficiently plentiful and they need not seize the first offer that comes along or be left with an uncertain future.

Despite the modest size of the increases since 1971, engineers generally averaged higher starting salaries than their classmates in accounting, business, humanities, social sciences, mathematics, the physical sciences, and other fields.

AVERAGE STARTING SALARIES, 1972 GRADUATES	
Degree Level	Dollars Per Month
BACHELOR'S DEGREE IN TECHNOLOGY	\$ 825
BACHELOR'S DEGREE IN ENGINEERING	892
MASTER'S DEGREE IN ENGINEERING	1024
DOCTOR'S DEGREE IN ENGINEERING	1396

An overwhelming majority of the placement directors told the EMC that they anticipated continuing improvement and excellent prospects for 1973. Eighty-two percent thought that the employment picture would be better where as only 15% envisioned no change.

The directors were almost unanimous in predicting outstanding prospects four to five years from now because the recent decline in enrollments will be reflected in reduced numbers of future graduates.

Biomedical Engineering . . .

(Continued from page one)

course, had a natural affinity for each other and these marriages did not cause any particular problems.

Even though comparable matches between engineering and medicine have developed more slowly, it seems that the vast involvement of technology in the medical field is rapidly closing the communication gap between disciplines.

Recently, a committee of the National Academy of Engineering divided the field of biomedical engineering into three broad areas:

- (1) The application of engineering concepts and technology to scientific inquiries into biological phenomena as a basis for advancing the understanding of biological systems and medical practices.
- (2) The utilization of engineering concepts and technology in the development of instrumentation, diagnostic and therapeutic devices, artificial organs, and other constructs relevant to applications in biology and medicine.
- (3) The application of engineering concepts, methodology, and technology to the improvement of health service delivery systems in the broad content of interrelated institutions such as hospitals, universities, etc., as well as within the specific confines of individual components of the health care system.

So far, most biomedical engineering education has taken place at the graduate level. Within the last few years, however, a number of students have taken undergraduate bioengineering courses.

Bioengineering may be considered one of the brighter spots in engineering education, and the future career opportunities seem to be particularly good. A genuine change in attitude of the medical community has taken place, and it is recognized that the bioengineer has something concrete to offer. Hospitals have started hiring engineers with BS and higher degrees to work closely with research M.D.'s and scientists.

Undergraduate and/or graduate studies in biomedical engineering is recommended for those entering this field. U.B. has had students enrolled in informal bioengineering studies. The Engineering faculty has recently embarked on a program to formalize interdisciplinary studies within the College. Upon approval, this would allow students to design interdisciplinary degree programs that "demonstrate significant educational and professional goals". Additional news about officially organized interdisciplinary programs should be forthcoming.

Steve Whiting Elected President of Engineering Alumni Association

A group of engineering graduates has met and officially organized an Engineering Alumni Association. On June 24th, the following acting officers were appointed: Steve Whiting-EE '68, Chairman; John Chion-Mfg. Eng. '68, Vice-Chairman; and Jim Pompano-EE '67, Secretary.

Most of the engineering graduates who have received the recent mailings know that, as its first service project to the College of Engineering, the Association has organized a program to help increase the undergraduate and graduate enrollment. Engineering colleges throughout the nation are generally feeling a drop in applicants. To help combat this, individual alumni will be visiting their local high schools this fall and winter to make personal contacts with students who are interested in engineering as a profession, or who may be inclined toward science or technical interests but are not really sure what engineering is all about. Any alumni interested in assisting in this effort should contact Steve Whiting at Perkin-Elmer. Brochures and audio-visual aides are available concerning careers in engineering and specific UB engineering programs.

Additional activities planned for 1973 include the appointment of Class Agents and updating the engineering mailing list of graduates.



ALUMNI present at the Sept. 16 meeting of the Engineering Alumni Association included (left to right): Bud Harris, Director of Alumni Activities; Steve Whiting, Acting Chairman, Engineering Alumni Association; John Chion, Acting Vice Chairman; and Vice President for Development John Cox.

First Co-op Students Placed in Work Assignments

The University of Bridgeport placed the first three students accepted into the Engineering Cooperative Education Program in work assignments with Sikorsky Aircraft, General Electric, and the Southern New England Telephone Co. The new cooperative program, the first in engineering in Connecticut, integrates classroom theory with practical experience. Students alternate terms of full-time college study with full-time work assignments in a year-round schedule leading to a B.S. degree in Engineering.

The students are paid for their services by the cooperating employer. Financial considerations are secondary to the educational benefits to be derived from the job, but the co-op salary is important to most persons and is often the enabling device to make such an education possible. For the commuting students, the typical gross co-op salary will exceed their total expenses for tuition and travel. For the resident student, the typical gross co-op salary will equal about two-thirds of the tuition, room, and board expenses.

Co-op students graduate in five years with a B.S. in Engineering plus two years of valuable professional experience. Students transferring into the junior year graduate in two and one-half years with one year of valuable experience.

Cooperating companies also benefit. The employers find the students competent and enthusiastic workers eager to learn. The employers also have an extended opportunity to evaluate them as potential permanent employees. The University benefits through better utilization of facilities as well as being able to provide an even more encompassing educational experience for the participants.

The first three students placed by the College of Engineering are Bridgeport residents. Michael Carralero, a graduate of Central High School, is presently working on an analysis of several promising new methods to upgrade a certain production process used by his firm. Based on the analytical results, the most promising method will be selected and Michael will then set up a "pilot plant operation" to evaluate the new process for possible use in full scale production. Martin Johnson, also a graduate

of Central High School, is working as a technical illustrator for an engineering handbook which his firm is developing under contract to the defense department. Ronnie Davidson, a graduate of Bassick High School, is conducting utilization studies to analyze how individual customers use his company's services and products. His firm then uses this data to show these customers how to improve efficiency by alleviating oversaturated equipment conditions while reorganizing under-utilized equipment and services. While in high school, Ronnie was very active in athletics. He was in the top quarter of his class, president of the Athletic Association, and co-captain of the basketball and golf teams.

All three students had participated in the UB "Education For Disadvantaged Youth" program which awarded each student an academic scholarship for his first year of study. Having successfully completed their freshman year, all three students plan to finance the remainder of their education primarily through participation in UB's co-op program.

Engineering Aptitude Profile Test Slated for Feb. 17

For the seventh year, the College of Engineering will serve as a search center in a program to measure engineering aptitude in high school students. An aptitude examination is given on campus as part of the National Engineering Aptitude Search Program (NEAS) which is sponsored by JETS, The Junior Engineering Technical Society. JETS is a national organization which promotes the engineering and scientific professions through direct contacts with high school students. The special examination measures student abilities in four areas: Verbal, Numerical, Science, and Mechanical Comprehension. Nearly 1200 young men and women in 9th through 12th grades from area high schools have taken advantage of this program on the UB campus.

Activity coordinator Dr. Richard A. Strand, Assistant Dean of Engineering at UB, has recently announced that the next examination will be held on Saturday, February 17th from 9:45 a.m. until 12:45 p.m.

The objective of the NEAS testing program is to help students determine their aptitudes and qualifications for undertaking engineering studies on the college level. The tests are designed to supplement existing local testing programs and are offered and administered in cooperation with school guidance counselors throughout the United States and Canada.

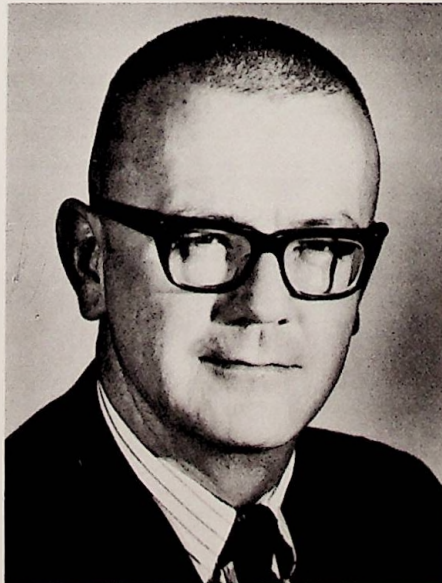
Test results are intended only to help in the prediction of probable future success in engineering studies. Students who take the tests receive personal reports of their results accompanied by an explanation which enables them to plot their own profiles.

While the examination is in progress, the College of Engineering sponsors a panel discussion for parents of students taking the test. The panel, consisting of the Dean of the College of Engineering and the chairmen of the various engineering and science departments, responds to the parent's questions about education and careers in engineering and science for their child.

If you have children in high school with technical interests or are in contact with others in this age group, you are urged by Dr. Strand to bring this opportunity to their attention. The deadline is at hand for the February examination.

Dr. Motherway Appointed to ASME Committee

Dr. Joseph E. Motherway, Bullard Professor of the Mechanical Engineering Department, has been appointed to the Vibration and Sound Committee of the American Society of Mechanical Engineers. The Committee's functions are to organize and sponsor technical conferences on mechanical dynamics, and to determine and make known research needs. Dr. Motherway is also a member of ASME's Research Committee on Pressure Technology.



Dr. Joseph E. Motherway

EDY Program Continues into Second Year

The "Engineering for Disadvantaged Youth" or EDY Program of the University of Bridgeport proceeds into its second year after a successful summer program in which fourteen of the original eighteen students involved received certificates for satisfactory completion of the college-preparatory course of study. This included mathematics, physics, reading, comprehension, and some computer programming. Of the fourteen students who had successfully completed the summer program, twelve have been matriculated into the University of Bridgeport's College of Engineering. The students have been drawn from high schools in the Bridgeport area — Bassick, Bunnell, Bullard-Havens, Central, Harding, and University School.

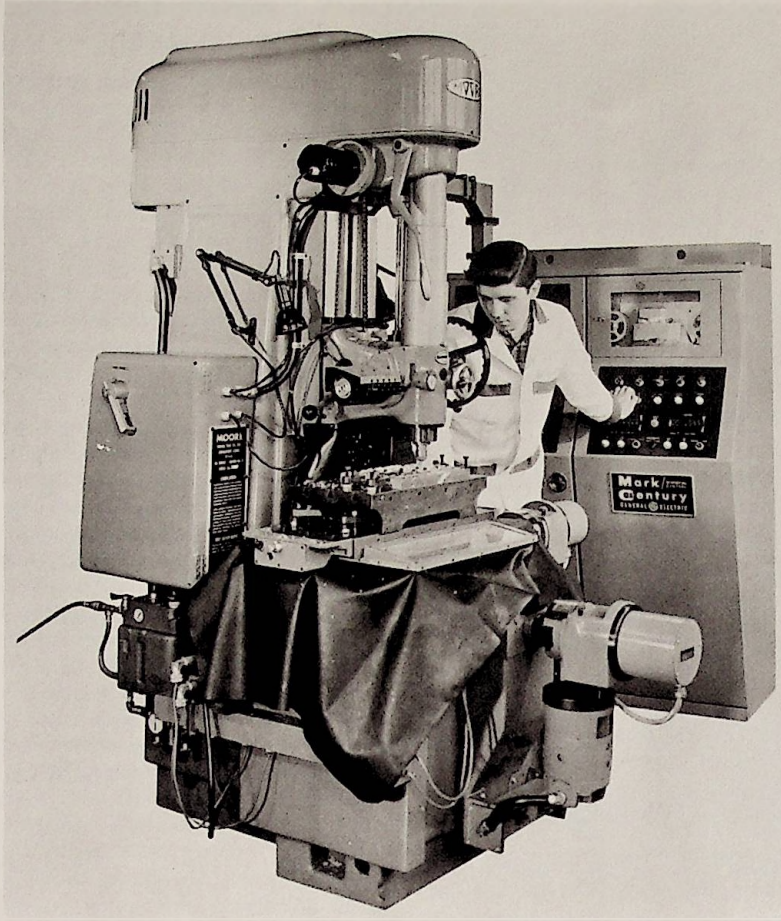
Three of the four students enrolled last year under the EDY Program in the College of Engineering satisfactorily completed their freshman year, and were accepted into the Cooperative Education Program. They are now doing satisfactory work as sophomores.

The EDY Program, funded by the Alfred P. Sloan Foundation of New York City and by UB, initially pays for the freshman year tuition. In addition, the program provides intensive tutoring through the services of four graduate engineering students at the University. They are Mr. Stephen Wiener, Mr. Masoud Fatemi, Mr. Gopal Parikh, and Mr. John Wheatland. Tutoring in English is offered by Mrs. Paula Diehl, a senior English major at UB. Mr. Wheatland, a graduate of City College of New York in Electrical Engineering, also serves as Administrative Assistant to Charles O. Kishibay, Associate Professor of Mechanical Engineering and Director of the EDY Program.

The UB Psychology Department participates in the interviewing and selection process. Under Dr. John Braun's supervision, the Kuder Occupational Survey Test was administered to the eighteen EDY students at the start of the summer program and again to the sixteen remaining at the conclusion of the program. The test was also given to upper-classmen in the College of Engineering as a control. The reason for giving this test is to see if any predictions can be made concerning future performance and potential of these students. Dr. Judith Stelber assisted in refining the interviewing technique and is critically examining the format upon which the questions are based.

Performance, Profit, and Productivity

On March 23, 1973, the American Society of Quality Control will hold an on-campus meeting with the theme of "Performance, Profit, and Productivity". Contact Mr. George Bona of the Dictaphone Corporation for further information.



NUMERICALLY CONTROLLED jig borer manufactured by the Moore Special Tool Company.

Moore Tool Introducing Freshmen to Numerical Control

The Department of Manufacturing Engineering and Moore Special Tool Company of Bridgeport are working jointly to introduce undergraduates to Numerical Control (N/C). Because there is no N/C equipment on campus and because such equipment is very expensive, Professor Poirier has sought the help of Moore Tool, a company which for many years has been adopting N/C to its machines, sold worldwide. As an important part of its marketing effort, Moore Tool brings customers to its plant in Bridgeport to become versed in N/C. Consequently, the plant maintains several machine-tools equipped with N/C and has the engineering expertise versed in N/C. Moore Tool has generously agreed to permit U.B. engineering students to use its equipment, and to help introduce them to this area of manufacturing.

Under this arrangement, a group of first-year engineering students will work on a three-week N/C project as part of their course, *Engineering 101 — Introduction to Engineering*. The intent is not to train the

students to become N/C programmers, but rather to use the project as an introduction to Manufacturing Engineering. For those students who go on to major in Manufacturing Engineering, a significant portion of their first course in manufacturing processes will be devoted to N/C. Such an arrangement points out an important asset of the College of Engineering: its location in a state with a strong manufacturing base.

Mr. Richard Ferguson, Manager of Moore Tool's Numerical Control Section, and Mr. Stephen Henn will introduce the students to the area of N/C and supervise their activities at the plant. The rudiments of programming N/C will be taught on campus. Mr. Raymond Voytek of Producto Machine Company in Bridgeport will teach the programming portion of the course and coordinate the endeavor between Moore Tool and the Department of Manufacturing Engineering. Producto Machine is cooperating by giving Mr. Voytek release time from his manufacturing engineering responsibilities at Producto. Mr. Ferguson is a graduate of U.B. in mechanical engineering. He continued studies beyond his M.E. degree in Electrical Engineering. Mr. Henn and Mr. Voytek are graduates of U.B. in Manufacturing Engineering.

Courses for Engineers in Continuing Education Program

Engineering educators have a jargon of their own, and one of the terms we find in increasing usage in regard to the undergraduate curriculum is its "half-life". Basically, this refers to that point in time after graduation when half of the courses one took in college have been changed significantly. In the 1960's, that interval shrunk considerably; today, the period is commonly accepted to be five years.

In order to cope with the threat of technological obsolescence, the graduate engineer finds himself in some kind of classroom with increasing frequency. He may be working for an advanced degree, as are the many graduates of UB who are enrolled in the various master's degree programs, or taking refresher or new subject matter non-credit courses in what is called "Continuing Education". This Spring, the University begins its Continuing Education program with a host of offerings in engineering, management and general education.

The following is only a partial listing of courses that engineers will find interesting. In nearly every instance, the instructor comes from industry, and all are expert in their subject matter areas.

During the Fall term, the College of Engineering is presenting a two-day seminar on Products Liability Prevention and a seminar for hospital personnel involved with the requirements of the Occupational Safety and Health Act.

During the Spring term, Mr. Arnold Spitalny will offer a course in Computer Aided Circuit Design, and Mr. Robert Raskowitz will present a course dealing with electronic component selection. Two Saturday morning offerings in the field of management are: Management Consulting, by Mr. Emory Ayers, and Corporate Planning in a Dynamic Environment, to be given by Mr. George Ahl. In addition, there are one short course in Proposal Writing by Professor Bernard Samers and three courses in Developing Communication Skills, Developing Planning Skills, and Quantitative Approaches to Decision Making to be given by Mr. Charles Reach. Our own professors, Joseph Motherway, Anthony Palazzotto, and Lawrence Durocher of the Mechanical Engineering Department, will combine talents and give courses on Introductory Matrix Methods in Solid Mechanics (repeat of course given successfully last June); Introduction to Machine Tool Dynamics; and Computer Methods for Structural Mechanics.

Recent Technical Publications of the Engineering Faculty

DUROCHER, LAWRENCE L.

1. (with A. N. Palazotto) "Elastic-Plastic Buckling of Anisotropic Plates", accepted for presentation at the ASCE National Structural Engineering Conference, San Francisco, 1973.

GHAZNAVI, COUROS

1. (with W. Goodwin, Norden Div., United Aircraft) "Applying the Popov Criterion on a Bode Diagram" will be published in the November, 1972 issue of *Control Engineering*.

KISHIBAY, CHARLES

1. "Seek + Inspire + Remediate = Matriculate", Vol. VI, Number I, Spring, 1972 issue of the *UB Quarterly*.

PALAZOTTO, ANTHONY

1. "A Plane Stress Solution Using the Incremental Plasticity Theory Considering Stress Unloading", Presentation — October, 1972, Environmental Engineering Conference, Houston, Texas, Engr. Mech. Div., A.S.C.E., Preprint #1795.
2. (with D. A. Seccombe) "Springback of Wire Products Considering Natural Strain", accepted by the Products Div., A.S.M.E., for presentation and publication in *Journal for Industry*, 1972-73, Paper No. 72-WA/PROD-10.
3. (with L. L. Durocher) "Elastic-Plastic Buckling of Anisotropic Plates", Presentation April, 1973, A.S.C.E. Conference, San Francisco, Calif.
4. (with M. Wittmann) "Comparison of Natural & Wire Fibers in Reinforced Concrete", presented to the Speciality Conference on Composite Materials, A.S.C.E., November, 1972.

SMITH, WILLIAM

1. "Minimization of Multivalued Functions", 2nd Conf. Multiple Valued Logic Design, SUNY, Buffalo, May 25-26, 1972.

TILLMAN, EDWARD S.

1. (with R. E. Engdahl and J. S. Johnstone) "Lightweight Hydrogen Generator for Portable Fuel Cell Power", presented at 25th Power Sources Symposium, May, 1972.

Carissimi Named Chairman of Advisory Committee

Vincent L. Carissimi of Fairfield, Vice President for Research and Engineering of the Wiring Device Division of Harvey Hubbell, Inc. of Bridgeport, has been appointed Chairman of the Engineering Advisory Committee at the University of Bridgeport to succeed Raymond C. Lever. The committee is composed of executive members from local industry who work with faculty and students in formulating programs, courses, and work assignments for the College of Engineering.

The Advisory Committee participates in academic programming as well as advising the College concerning employment opportunities and trends. It assisted in the planning of the graduate program in Management Engineering which was the first of its kind in Southern Connecticut. This program includes courses in operations research, engineering statistics, and engineering management.

The Cooperative Program in engineering is another recent addition to the College that the Advisory Committee along with UB faculty helped plan and implement. The Engineering Advisory Committee also participated in planning for the Engineering for Disadvantaged Youth (EDY) program.

The Committee is now participating in plans for an instructional television network. Television classrooms are being considered for courses in business administration and marketing, as well as in engineering. Business firms which subscribe would receive monitor units to provide classrooms in their plants so that regular and specialized instruction could take place in individual companies.



Mr. Vincent L. Carissimi

The major goal that Mr. Carissimi has identified for the Committee this year is to assist Dr. Fitchen, the new Dean, in his efforts to double freshman and transfer enrollments for next Fall. In this regard, the Committee Chairman is writing to students who contact the University about engineering. He personally offers to help potential applicants with questions about engineering careers.

Mr. Carissimi received a Bachelor of Mechanical Engineering degree from Rensselaer Polytechnic Institute, Troy, N.Y. He was formerly employed as an engineer for Manning, Maxwell and Moore, and was manager of engineering for Bryant Electric Company. Mr. Carissimi also served in the Air Force. He and his wife have three sons, Louis, Vincent, and John, and reside in Fairfield.

Engineering Faculty in Community Service

Many members of the engineering faculty give generously of their time to community activities. Professor Philip Dilloway of the Manufacturing Engineering Department and director of the Management Engineering graduate program at the College is one such person. As a member of the American Arbitration Association, he has served on both the Commercial and the Labor Panels. Last month, in recognition of his involvement, he received a service award from the Association. The citation reads in part: "Voluntary arbitration could not exist without the contribution of the Arbitrator, who draws upon his wisdom, his public dedication and his impartiality to settle the controversies of his fellow citizens."

At this writing, Professor Dilloway had just been re-elected to his fourth term as Justice of the Peace in the town of Wilton where he resides. He is also Chairman of the Selectmen's Personnel Policies Committee and a member of the Ethics Council in Wilton.



Prof. Philip Dilloway

College of Engineering  Newsletter

Published in the fall and spring semesters by the College of Engineering, University of Bridgeport, Bridgeport, Conn. 06602

Managing Editor
Editor
Graphic Artist
Photographers

Dan Carnese
David Bannon
Ruth Krasenics
Mathias Hettinger
John Tasker

Newsletter College of Engineering

university of bridgeport
bridgeport, connecticut



Non-Profit Org.
U.S. Postage
PAID
Bridgeport, Conn.
PERMIT NO. 50