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Wright State University College of Engineering and Computer Science Bits and PCs newsletter, May 1989

Wright State University College of Engineering and Computer Science

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This newsletter...

is a monthly publication to inform students of the activities, news, opportunities and changes occurring in the College of Engineering and Computer Science. It reports on the achievements of faculty and students; changes in organization, policy and curriculum; scholarship and employment opportunities; and engineering and computer science student club activities. The newsletter is published by the College of Engineering and Computer Science and distributed to all engineering and computer science majors through their student mailboxes. This is the last issue of the newsletter for this academic year. The next issue will be published in September. This has been an exciting year for the College of Engineering and Computer Science. Have a GREAT summer, and we will see you in the fall. If you are graduating, keep in touch, and best of luck in your future endeavors.

Dates to Remember

JUNE 5-10—Final Exams
JUNE 9—ORDER OF THE ENGINEER RING CEREMONY
JUNE 10—Spring Commencement
JUNE 12—Summer Classes Begin

Students/Faculty Honored at College Banquet

This year's annual banquet which was held the evening of May 12 was a tremendous success. Over one hundred students, faculty, staff and alumni were on hand to enjoy a presentation by Howard DuFour entitled "Charlie Taylor and the 1903 Aircraft Engine." Howard DuFour is the originator of Wright State University's Instrument Shop. The duties of Master of Ceremonies were shared by Dick Rathbun, Assistant to the Dean and John Chatto, March '89 graduate of electrical engineering and former president of Tau Beta Omega Honor Society.

Outstanding student awards were presented to Carol S. Brunsman of the biomedical engineering department, Kristen Barthelmy from human factors engineering, Karl Seibert of computer engineering, Rebecca Shamiyeh from computer science, Brian Kadrovich from electrical engineering, Walter E. Whitaker III (Bert) from engineering physics, Norbert O. Maurer (Bert) from mechanical engineering and Danny Mitchell from mechanical engineering.

Four faculty awards were also presented. The EXCELLENCE IN PROFESSIONAL SERVICE AWARD went to Dr. Larry Crum, Professor, Computer Science and Engineering; Dr. Amir Faghri, Professor, Mechanical Engineering received the EXCELLENCE IN RESEARCH AWARD; Dr. David Hemmendinger, Assistant Professor of Computer Science and Engineering was given the EXCELLENCE IN TEACHING AWARD; and Dr. Raymond Siferd, Associate Professor, Electrical Engineering was awarded the OUTSTANDING FACULTY MEMBER AWARD.

A twenty-five dollar bookstore gift certificate was won in the door prize drawing by Rebecca Shamiyeh. Other door prizes were awarded to Carol Brunsman and Dr. Wilbur Hankey.

Alumni Appreciated

During Alumni Appreciation Night held on May 8, several of our alumni were honored for their contributions to the engineering and computer science professions and the College of Engineering and Computer Science. Among those who received awards was Dr. William Albery who received his B.S. degree in systems engineering from WSU in 1971 and his Ph.D. in biomedical Sciences from WSU in 1987. His award recognized the accomplishments and advancements he has made in the field of engineering and computer science. William Kovacs, B.S. in engineering physics, 1974, was recognized for supporting and promoting the Alumni Organization; and Stephen Solch, B.S. in Systems Engineering, Electrical Option, 1978, M.S., Systems Engineering, 1981 received an award for outstanding business achievements.

Others receiving awards in recognition of their many hours of volunteer service to the college and alumni organization were: Robert Keppler, Dan Willeford, John Jacobs, Nam Nguyen, Cindy Soergel, Scott Thomas and John Chatto.
Biomedical Grad Student Places Third

In what could easily be described as a photo finish, Michael J. Allaire placed third in the Student Paper Competition which was held at the 26th Annual Rocky Mountain Biomedical Engineering Symposium, Iowa State University, April 21-22, 1989. The paper, entitled “Electrical Properties of ALCAP and ZCAP Ceramics”, coauthored by D. B. Reynolds and P.K. Bajai was graded on a two hundred point scoring scale and placed only one point below the second place winner and two points below the first place finalist. Michael, a graduate student in the biomedical engineering department, received a seventy-five dollar cash prize. Students from several engineering schools in the midwest and plains states were entered in this competition.

Writing Center Seeks Tutors

The Writing Center will be interviewing applicants for next year’s tutoring positions. If you have excellent writing skills, good grammar and punctuation skills, and excellent communication skills, you may wish to apply. Applicants are required to have above a 3.2 average, with an “A” or “B” in English 101 and 102. Interested students should contact the Writing Center (344 Allyn).

New Face in EE Department

Dr. Larry E. Smith has joined the electrical engineering faculty as an instructor. He will also be serving as Assistant Chair in the Department of Electrical Engineering. Dr. Smith’s previous experience includes six years of service as the Dean, School of Systems and Logistics, Air Force Institute of Technology, Dayton, Ohio.

Quality Assurance Program

Obtain extended training in the skills and techniques essential for business, industry and the military to achieve and maintain a competitive edge in quality, productivity, maintainability and reliability.

The Departments of Mathematics and Statistics and Management Science and Information Systems and the College of Engineering and Computer Science offer a joint program which provides training in the theory and methodology of reliability, quality control, and quality assurance. Additionally, it presents a thorough grounding in production and operation management.

The program is designed for those with a bachelor’s degree in engineering, the physical sciences, mathematics or business. It consists of six courses, including: statistics courses in Statistical Methods of Quality and Productivity, Reliability, and Experimental Design; management courses in either Operations Management or Production and Inventory Management, and Quality Assurance; and an engineering course in Reliability.

Courses meet after 4:00 PM, and the program can be completed in three academic quarters.

For further information, contact:
Professor Dan Voss
Department of Mathematics and Statistics
Ext. 2958, 2785

Reward Offered

(Submitted by Rosemary Spe, April 27, 1989.)

(bit & Pcs)

College of Engineering and Computer Science

Wright State University

Dr. James E. Brandeberry, Dean
Teri Shepherd, Editor
Sharon Coates, Assistant Editor and Staff Writer

Submit questions, articles and ideas to Editor, 130 EMS. The College of Engineering and Computer Science reserves the right to edit all material and publication.
Co-operative Education

The following excerpt was taken from the Co-op Experience Report written by Paul Petachi, a computer science major.

My first co-op work period was spent at Mead Corporate Engineering which is in charge of all the engineering and design support for Mead Paper Company. My department is responsible for the MAHRT project. My job was to lend computer support, do various MEAD branches and other sub-contractors. Most of my projects specifically dealt with computers and all were within my abilities. At no time was I given something new and just left alone to struggle through it or fail completely. Any questions I had were answered thoroughly, and I was given immediate help if needed.

My first project involved the development of AUTOMENU, a menu-driven software system that MEAD hopes to use to drive all of their other software. My assignment was to design the menus that would be used and to enable the menus to carry out their assigned selections. This project was very interesting since some of the selections dealt with fileserver functions which was a totally new environment for me. The fileserver is an inter-office network which permits users access to the same software and drawing files, without putting the information into the hard drive of the users’ computer.

Another project was to begin a new fileserver configuration. Originally, the fileserver was configured to handle twenty-six users, which the office soon outgrew. A configuration that could handle forty-five users was needed. A larger capacity optic disk drive and other miscellaneous features were added at the same time.

Next, I was to develop and install the NETWORK VERSION of AUTOMENU. This AUTOMENU permitted the fileserver function, individual users and user security. I just started experimenting with this AUTOMENU when my work period ended. The student who alternates with me will have an interesting experience making AUTOMENU work in the network environment.

Another assignment dealt with the creation and manipulation of a database account which was also a new environment for me. MEAD uses ADVANCED REVELATIONS (AREV) which is a relational database. AREV is used to take drawing files, pull them into the database account in which you are logged, and allow editing of the drawing while it is in a database format. I did not use the database as extensively as some of the electrical engineering co-ops, but I did create a USERS account which registers all users of AREV. This entailed making some windows, pull-ups, and menus in the database. I had some help in this endeavor in the form of a two-day, inter-office class on AREV. This type of business class was also new to me and I found it very intriguing and informative.

Finally, I was able to experiment with a PASCAL program to convert ACAD10 drawings into an ACAD9 format. ACAD9 drawings can be used on an ACAD10 system (the type MEAD just purchased for the office); but ACAD10 drawings cannot be used on an ACAD9 system, the one most of our computers still have installed in them. This necessitated a conversion program, which I was able to finish, although I still need some extra information on ACAD that I have been unable to obtain.

Many courses were helpful on the job: The PASCAL programming was put into practice on a few occasions, and I constantly used the basic logic and organization I learned in physics, mathematics, and computer science. I could have used some form of CAD training and/or database training.

This co-op experience has strengthened my interest in computer science. In subsequent co-op quarters, I hope to develop a diverse background that will enable me to get the job I want, where and when I want it. I enjoyed this experience very much and hope to turn it into a career.

Co-op Job Opportunities in Engineering/Computer Engineering/Science

Co-op experience is an excellent way to explore the many opportunities available to students in computer science and engineering, examine career possibilities, gain work experience, earn money for college expenses and begin your career before graduation. Sheila Suel, Assistant Director for Computer Science and Business Co-op, and Dianna Harris, Assistant Director for Engineering and Science Co-op, conduct group orientation sessions for students interested in finding out more about the program. Sessions are scheduled several times weekly beginning the third week of each quarter. Stop in University Placement Services at 126 Student Services to sign up.

The following companies offer co-op job opportunities beginning summer and fall quarters, 1989. Interested students should contact Dianna Harris at 126 Student Services for more information.

Advanced Assembly, Dayton, OH Mechanical Egr. Major
Apex, Division of Cooper Industries, Dayton, OH Mechanical Egr. Major

Armco-Electric Steel Division
Butler, PA
Computer Egr. Major
Armco, Middletown, OH
Computer Egr. Major

Baltimore Specialty Steel, Baltimore, MA
Computer Egr. Major

Bell Northern Research, Research Triangle Park, NC
Computer Engineering Majors

Central Intelligence Agency, Washington, DC and Virginia
Biomedical, Computer, Electrical, Mechanical and Human Factors Majors

Central Soya, Fort Wayne, IN
Mechanical and Electrical Egr. Majors
"The Second Interview"

Many candidates are now receiving invitations for second interviews. The second interview is often described as an "on-site" interview, "plant visit," or "office visit." You may receive the invitation for a second interview by phone or letter. First of all, you should accept an invitation to visit the company only if you are sincerely interested in exploring employment with that organization.

Most employers will reimburse you for the cost of the visit. However, if the invitation does not mention the expenses, it is best to check before the visit. It is important to ask about your itinerary, travel and lodging reservations and how you will be reimbursed for the expenses. Do have cash with you for incidentals, cab fare, meals en route, etc.

The on-site visit allows company officials to evaluate you. You will usually be talking with several individuals at various management levels. Therefore, you will be expected to be more conversant about the employer, your personal background, your academic and work experiences, your career and life goals, your activities, and how all of these accomplishments, put together will make you a valuable member of the employer's team. Because of the extended time spent with each individual, you will have more time to ask questions. It is important to have prepared yourself for that part of the interview process. This requires some additional in-depth research about the organization prior to your visit.

Although salary is rarely discussed during a first interview, a discussion of salary will most likely occur during the second interview. Let the interviewer bring up salary. If you are asked what salary you expect, give a range that you are comfortable with. Do your homework on what the job is worth. You can get this information from sources such as the CPC Salary Survey available in University Placement Services' Career Resource Center, 126 SSW. It is important to keep in mind that salary is more than just a paycheck; benefits such as insurance, retirement plans, education benefits, relocation, parking space, and use of a company car are other factors involved in the total salary package.

If all goes well during the second interview, you may receive an offer employment prior to leaving. However, this is not always the case. The offer may be made within a few days after the interview. Therefore, don't be alarmed if you leave not knowing whether you have an offer.

Once you arrive back home, you should immediately write a thank you letter to everyone you spent time with that day expressing your appreciation for the interview. This little courtesy may be the one extra thing that will make you stand out among the other applicants.

As a final word, the most important thing to do for a second interview is your homework. The more prepared you are, the better the impression you will make and the better able you will be to decide whether or not this is the right job for you.
Job Opportunities

General Motors Divisions Seek Summer Engineering Help

The Office of Student Employment is currently accepting resumes from engineering students who are seeking summer and part-time employment. Wright State has a contract work program with several local divisions of General Motors including Delco Moraine, Inland and Harrison Radiator. These employers are looking for students who are majoring in electrical, mechanical and computer engineering. The majority of positions available offer the student a good opportunity to get “hands on” experience in an automobile engineering environment.

Students are allowed to work up to 20 hours per week while classes are in session and 40 hours per week during breaks and summer quarter. Hourly wages are based on the students standing in school and can reach $7.00 per hour for seniors. Employers are interested in interviewing individuals who have at least one year until graduation. Students who wish to participate in the program can submit a resume to the Office of Student Employment, 152 Allyn Hall, or get more information from Brent Young the Director of Student Employment.

Jobs Are Booming

Jobs in small companies are booming in the suburban towns of Marietta/Rowell, GA; Dallas/Richardson, TX; Troy/Warren, MI; Scottsdale/Sun City, AZ; Newport Beach/Laguna, CA; Herndon/Manassas, VA; Santa Ana/Costa Mesa, CA; Virginia Beach/Chesapeake, VA; East Brunswick, NJ; and Orlando/Kissimmee, FL. (Wall Street Journal, 27MAR89, p. B1)

Southwestern Ohio Council for Higher Education (SOCHE)

Task Assignment Number: 31
Task Title: Advanced NDE Methodology
Description: The student to be supported under this task will assist senior laboratory scientists in setting up experiments, acquiring data and analyzing the data. The student will be assigned independent projects consistent in complexity with his experience in the area of software development, hardware development or data collection for a specific material system. The student should have training in one or more of the following areas: Computer Programming, Electrical Engineering, Physics or Materials Science.
Start/Stop Dates: 16 May 89-31 December 89
Estimated Person Hours: 850
Rate of Pay: Junior $5.78
Senior $6.50
Graduate $7.27

Task Assignment Number: 55
Task Title: Thermal Fatigue in Titanium Aluminide Composites
Task Description: Experiments will be conducted to subject composites of SiC fibers with Ti3Al alloy matrix in specialized testing machines. Residual tensile strengths will be determined in room temperature tests. Data will be analyzed and plotted to evaluate effects of mean stress, temperature range, and maximum temperature on the residual strength and elongation.
Academic Preparation: Aerospace or mechanical engineering student with computer skills.
Start/Stop Dates: 1 June 89 - 31 December 89 (with possible renewal for 1 year)
Estimated Person Hours: 435
Rate of Pay: Junior $5.78
Senior $6.50
Graduate $7.27

Task Assignment Number: 66
Task Title: Optical Physics Laboratory Assistant
Task Description: The task involves working with several different types of lasers and optical components and consists of setting up and running experiments, collecting data, working with several computers, and providing data analysis.
Start/Stop Dates: 23 May 89-31 December 89 (With possible renewal for 1 year)
Estimated Person Hours: 800
Rate of Pay: Junior $5.78
Senior $6.50
Graduate $7.27

Academic Preparation: Physics with computer skills, or engineering major with an interest in optics.

Task Assignment Number: 71
Task Title: Advanced NDE Methodology
Task Description: The student to be supported under this task will assist senior laboratory scientists in setting up experiments, acquiring data and analyzing the data. The student will be assigned independent projects consistent in complexity with his experience in the area of software development, hardware development or data collection for a specific material system.
Academic Preparation: Student should have training in one or more of the following areas: Computer Programming, electrical engineering, physics, or material science.
Start/Stop Dates: 1 June 89-31 December 89 (with possible renewal for 1 year)
Estimated Person Hours: 800
Rate of Pay: Junior $5.78
Senior $6.50
Graduate $7.27

IF YOU ARE AN INTERESTED, QUALIFIED STUDENT, CONTACT MRS. WANDA VOGLER OR MS. TRESIA CARTER AT 297-3159.
**Minding Your Own Business**

The following is a reprint of an article which appears in the spring issue of the CONNECTION, our alumni newsletter.

Have you ever wondered just what it takes to start your own business? Have you wondered about the costs in time and capital, the sacrifices, the rewards? Have you wondered just how your degree would help you in such an endeavor? Has the thought ever occurred to you that just maybe you have the makings of an entrepreneur? The truth of the matter is that we have wondered too, and since one of our alumnus has stepped into this arena, we took the opportunity of tracking him down and putting our questions to him.

What follows is a question and answer session with Stephen J. Solch, President of Digital Concepts, Inc., Fairborn, Ohio. Solch attended Wright State University and received a B.S. Degree in systems engineering, electrical option in 1978, and a M.S. degree in systems engineering in 1981. Today he spends his time minding his own business.

**What was your first job opportunity when you graduated from Wright State University?**

My first job was with the Dayton office of Support Systems Associates Incorporated (SSAI) as an engineer. I found the job through the WSU Placement Office. I worked on three major projects: definition of built-in-test requirements for aircraft electronics, development of modular automated test equipment to support aircraft maintenance, and control of foreign military sales of F-15 aircraft and related technology.

**Why did you decide to start your own company?**

I've always been self-motivated, and dedicated to doing the best job possible. I get the greatest sense of satisfaction and accomplishment when I am directly responsible for both setting and achieving goals. I felt that owning and running my own company would give me the opportunity to set my own goals, and be directly responsible for their achievement.

**When and how did Digital Concepts, Inc. have its beginning?**

I met my business partner, Richard Wegmann, in 1980 when he and I were employed at International Computer Company here in Dayton. Incidentally, at that time Rick was completing his MBA at Wright State, while I was finishing my MS degree. We got to know each other over the next couple of years while working together. Then just after DCI was incorporated in 1982, Rick asked me about it and indicated his interest in joining the company. We felt that Rick's business, financial, and marketing training and experience would compliment my own technical background and make a strong partnership. Over the next couple of years, Rick and I gained further experience and contacts in the local engineering community, while looking for opportunities to get DCI off the ground and into operation. In July 1984 we secured a consultants contract with CACI Incorporated to work the Requirements Data Bank program for the Air Force Logistics Command at Wright Patterson Air Force Base, and DCI was in operation!

Most people find it interesting that we started DCI with just $1700 dollars of the personal funds of the founders. Rick and I explain to everyone that our wives would not allow us to spend any more!

**Please tell us about your company in terms of the product or service you provide, number of employees, yearly sales, etc.**

DCI was formed to provide senior-level expertise in computer systems engineering to government and private industry clients. Additionally, experience and profits generated through these services was planned to be used to design and develop DCI products and provide special services to clients. In the last four years DCI has grown to eighteen employees, with 1988 revenues exceeding $1 Million dollars. Several potential products are currently under study, including development of an expert system for distributed system design.

**DCI assists clients with design, development and implementation of their computing requirements. DCI's expertise focuses on five major areas: systems engineering involving requirements analysis, trade studies, architecture evaluation, and systems/subsystem design; communications design involving network analysis, protocol selection, and application interface design; information engineering involving enterprise modeling, conceptual and logical data base design; software engineering involving application analysis and design, coding, and integration testing; and system implementation involving production testing, installation, system turnover and maintenance.**

Currently, DCI's two largest engineering services contracts are in support of the Air Force Logistics Command's computer system modernization program at Wright Patterson Air Force Base. DCI is subcontracted to the prime contractors for both efforts. Computer Sciences Corporation for the Stock Control and Distribution contract, and Grumman Corporation for the Depot Maintenance Management Information System contract.

Recently, DCI submitted a proposal to the Small Business Innovation Research (SBIR) program to explore the feasibility of developing an "Expert System for Distributed Systems Design". This system would combine Artificial Intelligence (AI) techniques integrated with Computer Aided Software Engineering (CASE) tools, to give the distributed system designer an expert system capable of helping design distributed systems. A knowledge base would be established to model the expertise of software designers for distributed computing environments. This knowledge base would be in a form that can be used by both the AI and CASE tools, to enhance the distributed system designer's ability to successfully create an optimal design. The system would allow modifications and additions to the knowledge base by users as their experience evolves.
What has been the key to success for Digital Concepts, Inc.?
I think the key to our success has been the careful hiring of employees. As an engineering services company, our employees are directly responsible for our reputation for doing quality work on time and within budget. It is their expertise and hard work that has more to do with our success than anything else.

Have you always felt that one day you would be president of your own company?
No. When I entered high school I wanted to be a scientist, possibly an astronomer! I never really thought about owning my own company. By my last year in high school I had decided to become an engineer, feeling it was the perfect blend of science and technology as applied to real world problems. After I received my bachelor’s degree and went to work for a few years, I seriously began to consider the possibility of owning my own company.

What have the engineering degrees from Wright State University meant to you?
My college education has had a great affect on me personally. It has helped me develop skills at problem solving, and has given me the technical foundation on which to build experience and competence in my field while earning a very good income. Without my degrees, I don’t think starting my own engineering company would have been possible.

How does a person with a highly technical degree become a good manager?
The road to being a good manager is very difficult coming from both technical or non-technical backgrounds. For a technical person the first step is to gain a few years of experience in your field. Only with actual working experience can you understand the interpersonal and political dynamics involved in getting a technical job done in the work place. You must learn to adequately plan activities and to tract and control associated cost and schedule. One of the hardest things to learn for a technical person trying to become a good manager is to trust others to do their part of the job. Many young technical managers work themselves to death trying to do everyone else’s job. Instead you need to learn to direct and control the job to be done. The single most important ingredient needed to effectively manage a group of technical people is good communication skills, both written and oral.

What advice do you have for someone who is thinking about starting their own company?
To start a company successfully you need to define the business area you intend to penetrate so you can concentrate your marketing efforts. Too broad an agenda will make it very difficult to get results with the limited manpower available. Also, the more you can distinguish your company from your competition the better.

Any advice for our soon to be new engineering and computer science graduates from Wright State University?
Don’t make the mistake of moving between companies just to increase your salary. Leaving a position too soon won’t give you experience in completing projects, your technical work will be superficial, advancement to management positions will be more difficult, and future employers will look negatively as a whole on your work experience. Conversely, don’t stay in a job you don’t like. Your job satisfaction is the only thing that makes working worth while.

NCR Selects Wright State for Innovation Awards

The College of Engineering and Computer Science has been selected as an NCR-University Stakeholder Partner. One goal of the program is to identify and honor students and faculty who will contribute to the economic well-being of this country. Through this program, yearly NCR Innovation Awards in the form of an NCR personal computer will be presented to an outstanding undergraduate and graduate student as well as a faculty member in the college. The awards will be presented for innovations in the areas of electrical engineering, computer engineering or computer science.

The Undergraduate Innovation Award will be given to the student who best demonstrates creativity and quality in documenting an innovation in a departmental honors project. The student will receive the NCR personal computer, $500 in software from the university and be offered a graduate teaching assistantship. A plaque with the student’s name and year of award will be displayed in the lobby of the engineering building.

The Graduate Innovation Award will be given to the student who best demonstrates creativity and quality in documenting an innovation in an M.S. thesis or Ph.D. dissertation. The graduate student will also receive an NCR personal computer, $500 in software and have his/her name on a plaque in the engineering building.

The Faculty Innovation Award will be awarded to the faculty member who served as mentor for the undergraduate student selected to receive the Undergraduate Innovation Award. The faculty member will receive an NCR personal computer, $500 in software and have his/her name on a plaque in the engineering building.
**University Placement Services**

**Attention 89/90 Graduates**

If you are planning to graduate during the 1989-90 academic year, you need to start preparing for your job search campaign now and over the summer. On-campus interviews will be conducted during the fall 1989 quarter, primarily for technical majors. Very limited interviewing occurs during the winter and spring quarters. The fall 1989 recruiting season for technical majors begins in mid-October. In order to participate in the On-campus Interviewing Program, we encourage you to take the following steps over the summer:

1. Stop by 126 SSW and pick up the necessary materials you will need to complete in order to register with University Placement Services and participate in the On-campus Interviewing Program.
2. Attend one of the workshops to be held over the summer on resume writing; interview preparation and techniques; and how to participate in on-campus interviews. A schedule of the workshop dates and times will be available June 1.
3. Pick up an On-campus Interviewing Bulletin on or after August 15 to determine when employers will be coming to campus during the fall quarter and the associated dates and deadlines for participating in the program.

**Career Planning is Life Planning**

A career is a series of jobs/work experiences held over a period of time through which we seek to satisfy our own needs.

Early in-depth planning plays an important role in the identification of appropriate career directions, academic majors, and complementary course work. With forethought, one can combine academic and work experiences to acquire excellent preparation for facing today's competitive job market. University Placement Services (UPS) offers many resources to assist students in the career exploration, in career planning, and in the execution process.

**Broaden Your Horizons**

Begin to think about what you like to do and what you are good at. Consider what you want out of life and out of your life's work. Identify several fields of interest and do some research about the career options they offer. You can browse through corporate literature, directories, career encyclopedias, and other resources that contain information on job descriptions, career trends and salaries in the University Placement Services' Career Resource Center.

**Establish Your Goals**

Making a career decision and establishing goals will be easier if you have taken the time to identify your values, skills, interests, and abilities. Consult with our career counselor. University Placement Services also has available a computerized career guidance system—SIGI PLUS—for your use. It combines the capabilities of the computer with thoroughly researched information about occupations, values, interests, skills, educational programs, and more. SIGI PLUS is simple to use. All you need to do is press a few clearly indicated keys. To use SIGI PLUS, stop by 126 Student Services to reserve a time.

**Test Your Choices**

Test your vocational selection through part-time and summer jobs, co-op and internship experiences; and through interviewing professionals who work in the field you are considering. Join one or several of the college's student clubs and WSU student organizations. By participating in these career-related organizations and activities, you can develop your talents, interests, and leadership abilities.

Deciding on a career for yourself takes careful planning and time. It is worth spending two weeks, two months, or whatever it takes to plan well so that what you do is something you enjoy and something that fits in with your life plan. Life planning does not have to be a solitary process. Involve family members and friends in your planning as well as seeking the advice and counsel of faculty members and career placement advisors. They ARE interested in you and your future. Remember—the ultimate decision is yours.

**From Student to Professional**

Graduation is approaching and you are about to make the transition from the classroom to a professional position. This is not an easy transition. There is more to the working world than applying all you learned in class. Of course, you are anxious to jump right in and let everyone know what a wise decision they made in hiring you; but, you need to use some restraint. Just about everything you do or do not do during the first few days and even weeks on the job can affect how well you perform in the new job, fit in with your co-workers, and determine your status in the organization. So, spend the first few days watching and listening. Here are some important tips:

- Take being at work seriously. Getting to work on time and even a few minutes early shows that you are eager and interested, besides being expected.
- Notice what the environment is like—casual or strictly professional.
- Notice how people communicate with each other—memos, phone calls, scheduled meetings, bulletin board messages on the computer, or chats at the water fountain.
- Notice how people in different positions interact—informally and personally or formally and professionally.
Establish a good working relationship with your boss. Understand his/her viewpoints, concerns and expectations.

Let your boss know what your own goals and objectives are and how they fit in with his/hers.

Listen carefully to what your boss says.

Even though you may notice operations, procedures, and policies that could or should be changed, to make things run smoother and more effectively, do not make the mistake of suggesting they are not good and should be changed your first day on the job.

Do not be afraid to ask questions of your boss or co-workers if you need more information or a clearer explanation. Most employers would rather their employees ask for assistance than bluff their way through a project.

Think and speak positively. Be interested, enthusiastic, and optimistic. No one likes a negative personality, and criticizing will only give you a negative image.

Learn what others do. Be familiar with all the jobs that exist within the organization and learn how to best work with people in those jobs. Build on being a good team worker.

Be patient. Learning a new job takes time. Every job has its ups and downs, but if you follow these tips and do your very best, you will succeed on that first job—an important step in your career.

University Placement Services would like to extend our CONGRATULATIONS and BEST WISHES to you for a successful career!

Club Notes

Association for Computing Machinery (ACM)

Congratulations to the newly elected officers of Wright State University's Student Chapter of ACM. Here is a list of all the officers and committee chairpersons.

OFFICERS
President: Nancy Day
Vice president: Ravin Assar
Treasurer: Gary Williams
Secretary: Lucy Garcia

COMMITTEES
Publicity: Sameh Ebeid
Disk Sales: Aymen Barri
Membership: Sonali Rao
Social: Not filled
Resume Book: Not filled

If anyone is interested in the unfilled positions, please let one of the officers know via e-mail (acm@thor) or drop a note in the ACM mailbox located in the computer science and engineering department office.

Those people who will be graduating next year should consider submitting a resume for our resume book that we publish in conjunction with the Placement Office. Many of those who participated this past year have received interviews with some top-notch companies (BDM, ARP (formerly SASC), CSC). Resumes should be completed by the end of the summer as we will be publishing the book within the first week of the fall quarter. Students seeking part-time jobs are eligible.

ACTIVITIES:
Disk Sales First 2 weeks of Summer Quarter

Congratulations to our June and August graduates:
Don Cable
Mike Dedek
Tolga Erkmen
Tom Haberlandt
Jon Pummell
Rebecca Shamiyeh

Ohio Society of Professional Engineers (OSPE)

Well, another school year is almost at an end! On May 25, we planned an event to aid people in preparing for job interviews. Terri Rowe, an engineering recruiter with a lot of insight into what engineering employers are looking for in employees was scheduled to give the presentation.

New officers have not been elected yet. If you will be here next year and are interested, drop a note in Allyn mb 0-216. We hope to see you at some OSPE events next year!!! For those who will be graduating and won't be here next year—CONGRATULATIONS!!! Hope everyone has a great summer.

Society of Women Engineers (SWE)

Though we are still awaiting official notice on our charter, the Society of Women Engineers has been making plans for spring quarter. On Friday, May 26, we will take a tour of the Medical Imaging Lab at Miami Valley Hospital. Dr. Hangartner of the biomedical engineering department will be giving the tour. We will meet at 2:00 PM in the lobby of the EMS Building. On Monday, June 12, we plan to take a tour with the South Ohio Section of SWE of Proctor and Gamble's Stream Facility. Anyone and everyone is welcome to be involved in these tours. Contact Rosemary Speers (P140 or SWE mailbox in the college office) for more information.