1981 Rates: $7.00 per line, $75.00 minimum charge (up to 10 lines). Average six typeset words per line, nine lines per column inch. Add $7.00 per box number. Order due six weeks before month of publication. Exceptions—IEEE Computer Society member ads for positions wanted: $10.00 up to 10 lines: $1.00 per line after. Situations wanted ads for unemployed Society members are run free. Include IEEE member number in either case.

To allow sufficient time for distribution of the magazine, please schedule job application deadlines at least three weeks after issue date, e.g., deadline of July 21 to send applications replying to ad appearing in July issue.

UNIVERSITY OF PORTLAND

Electrical/Computer Engineering faculty positions at the University of Portland. Specializations in computers (hardware, software), electronics, or power. PhD required. Tenure track positions, senior rank possible. Available September, 1981. The University emphasizes quality instruction and professional involvement. Consulting with local industry is encouraged. Send resume to: Dr. Robert J. Albright, Chairman of EE Department, School of Engineering, University of Portland, Portland, Oregon 97203. An affirmative action/equal opportunity employer.

RESEARCH ASSISTSHIPS

(RESEARCH AND TEACHING

ASSISTSHIPS

dept. of Electrical Engineering & Computer Science

School of Engineering & Applied Science

The George Washington University

20 Teaching and Research Assistantships are available for the 1981-82 academic year. Salaries range from $3,000 to $13,000, after tuition is paid. Research areas include interactive computer graphics, real-time computer systems, fault tolerant design, image processing, security and privacy, micro programming and computer architecture, proofs of correctness, data base systems, and human factors of interactive systems. Equipment include a VAX-11/780, Vector General 3400 and Ramtek 9400. For applications, which are due May 1, please write Prof. A. Friedman, Chairman, Dept. of Electrical Engineering & Computer Science, The George Washington University, Washington, D.C. 20052.

The George Washington University is an Equal Opportunity/Affirmative Action Employer.

COORDINATOR FOR

COMPUTER SCIENCE EDUCATION

PhD or ABD 9-hr. teaching load, coordinate program. University has DEC/VAX 11/70 and access to DEC PDP 11/04 and dynamic and static graphics terminals. 130+ students in growing program. Private university enrolling 2700+ students. Rank and salary negotiable. Contact: Dr. Robert Hovis, Ohio Northern University, Ada, Ohio 45810. ONU is an EOE/AAE.

LA SALLE COLLEGE

Applicants are invited for a position in Computer Science at the assistant or associate professor level. Candidates should have a PhD or ABD status in Computer Science or a closely related field with a strong background in computer science. Duties include 12 hrs. per wk. of teaching and counselling of students in an established degree program in computer science. Qualified applicants should send resumes by May 1 to: Dr. John C. O'Neill, Chairman, Department of Mathematical Sciences, La Salle College, Philadelphia, PA 19141.

CLEVELAND STATE UNIVERSITY

Candidates sought for research and teaching in Computer Science & Information Sciences. PhD in Computer Science or equivalent required. Starting date is August, 1981. Salary is commensurate with background and experience. Will teach (9-10 semester hours) computer science courses from freshman through master's level courses (usually one, three hour graduate course per semester), some research, advise students, and serve on departmental and university committees.

Department currently consists of five full-time faculty and some part-time lecturers; offers the BS and MS degrees; has 60-70 undergraduate majors and about 30 graduate students; was founded in 1969 and supplies all of Trinity's service course work in computer science in addition to the major programs. Computing facilities include: IBM 3031 with 409K, 3 B char disk storage, more than 40 timesharing terminals devoted to faculty and student use, several minicomputers, a microcomputer laboratory, and a graphics laboratory.

University was founded in 1869, and is now located on a beautiful 100 acre campus in San Antonio. Enrollment is approximately 2500 students. San Antonio is widely recognized as one of America's unique cities. Population is approximately one million persons. San Antonio has a warm climate and is noted for its scenic beauty, places of historical interest and diverse cultural influence.

Send resume and letters of recommendation to: Prof. John E. Howland, Chairman, Department of Computing and Information Sciences, 715 Stadium Drive, San Antonio, Texas, 78284. An equal opportunity employer.

NAVAL POSTGRADUATE SCHOOL

Monterey, California

Electrical Engineering Department seeks computer engineering faculty member at associate or full Professor level to lead in development of courses, laboratories and research program. Qualifications include PhD, demonstrated excellence in teaching and research and leadership ability. Teaching and research areas include computer architecture, VLSI system design, real-time embedded computer systems, multi-processors and fault tolerance. Send resume, publications list, and names of four references to: Prof. Donald E. Kirk, Chairman, Dept. of Electrical Engineering, Naval Postgraduate School, Monterey, CA 93940. An equal opportunity/affirmative action employer.

COMPUTER
NAVAL POSTGRADUATE SCHOOL
Monterey, California

Electrical Engineering Department seeks faculty candidates at rank of Assistant Professor in communications, control, electro-optical signal processing, or microelectronics. A strong background in digital techniques is required and interest in applied research involving hardware is desirable. Highly qualified candidates in closely related specialties will be considered if committed to making the transition to one of the above areas. Other qualifications include a PhD, dedication to high quality teaching and a strong interest in performing sponsored research, primarily with students in MS programs. Send resume, publications list, and names of three references to: Professor Donald E. Kirk, Chairman, Dept. of Electrical Engineering, Naval Postgraduate School, Monterey, CA 93940. An equal opportunity/affirmative action employer.

SUNY at STONY BROOK

The Department of Electrical Engineering, SUNY at Stony Brook, invites applications for anticipated openings at the Assistant Professor level and higher. These positions will be tenure-track with salary negotiable. The Department has one faculty member with a PhD in digital electronics and is expanding both graduate and undergraduate programs and extensive research activities. The areas of prime interest are computer engineering, digital systems, communications, and computer networking. The potential exists for additional research facilities, and we seek candidates with high quality teaching and a strong interest in performing sponsored research, primarily with students in MS programs. Apply for positions at the Assistant Professor level and higher with letters of reference to: Professor Donald E. Kirk, Chairman, Dept. of Electrical Engineering, SUNY at Stony Brook, Long Island, N.Y. 11794. Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
BACCALAUREATE PROGRAM
ELECTRICAL ENGINEERING TECHNOLOGY

The University of Pittsburgh at Johnstown announces a teaching position in its ABET accredited baccalaureate program in Electrical Engineering Technology. The position is at the Assistant Professor rank and requires an individual with education and experience in the field of modern digital electronics, microprocessor application and industrial computing. The successful candidate would be expected to teach both hardware and software oriented courses. Qualifications should include recent industrial experience and MS in Electrical Engineering. Applicants with BS in Electrical Engineering or Engineering Technology will be considered if they have extensive industrial experience. Responsibilities include teaching, curriculum development, professional development and service on faculty committees. Position available September, 1981. Send resume to: George A. Mostoller, Director of Engineering Technology, University of Pittsburgh at Johnstown, Johnstown, Pennsylvania 15904.

UPJ is a four year regional campus and an Equal Opportunity/Affirmative Action Employer.

BOT. West German Company seeks

MULTI USER OPERATING SYSTEMS

for commercial and scientific applications including higher level languages like Cobol, Basic, Fortran and/or Pascal. We are a system integrator and use International CPUs. EOT. Respond to BOX 4CMPIA, IEEE Computer Society, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

UNIVERSITY OF NEW MEXICO

The Department of Computer Science of the University of New Mexico announces at least one full-time, tenure track faculty position available beginning Fall 1981. Applicants at all ranks and in all areas of computer science considered. Department offers BS, MS and PhD degrees. Wide range of computer facilities for instruction/research available on campus. Nearby Sandia and Los Alamos National Laboratories have additional computing facilities, enrich the scientific and intellectual environment and provide possibilities for consulting work. Resume and names of three references by April 1, 1981 to: Cleve B. Moler, Chairman, Computer Science Department, University of New Mexico, Albuquerque, NM 87131. AA/EEO.

COMPUTER SCIENCE POSITION

The Department of Mathematical Sciences, McMaster University, invites applications for a contractually limited appointment of Assistant Professor in Computer Science.

Candidates with PhD must have demonstrated research competence and have aptitude in teaching especially at undergraduate level. Preference will be given to applicants who are eligible for employment in Canada at the time of application.

Salary depends upon qualifications. Minimum level in 1980/81 for Assistant Professor is $19,175.

Applications, with detailed Curriculum Vitae and at least three names of references, should be sent to:

Professor T. Husain Professor & Chairman Mathematical Sciences McMaster University Hamilton, Ontario Canada L8S 4K1

UNIVERSITY OF MIAMI

Department of Electrical Engineering has one Senior and one Junior Faculty Position in COMPUTER ENGINEERING or COMPUTER SCIENCE: Areas of interest are Software Engineering, Computer Architecture, and Computer Applications. Qualifications: PhD with established research competence or potential. Rank and salary commensurate with qualifications and academic or industrial experience. Applications in other Electrical Engineering areas with significant research experience are also encouraged to apply. Forward resume to: Dr. Kamal Yacoub, Electrical Engineering Department, UNIVERSITY OF MIAMI, Box 246394, Coral Gables, Florida 33134. An Affirmative Action Equal Opportunity Employer.

FACULTY POSITION
COMPUTER ENGINEERING
UNIVERSITY OF ALBERTA

Applications are invited for a faculty appointment in the Computer Engineering program. Rank & Salary: open. This position is administered jointly by the Departments of Computing Science and Electrical Engineering. Applicants should have a PhD in Electrical Engineering, Computer Science or equivalent and be strongly committed to teaching and curriculum development as well as research in computer systems design and organization. Research funding and operational support are available. Applications will be accepted until the position is filled. The University of Alberta is an Equal Opportunity Employer. Send resume and names of at least 3 references to:

Dr. Peter F. Adams, Dean Faculty of Engineering University of Alberta Edmonton, Alberta, Canada T6G 2H1

UNIVERSITY OF ROCHESTER

Director of Information Systems: To provide creative leadership in the development of the Office of Administrative Information Systems which furnishes University-wide administrative data processing services. Heavy emphasis is placed on user office participation, on-line access, and data base technology. The Director manages a staff of thirty professional and technical personnel and reports directly to the Vice Provost for Computing. This is a challenging, demanding position for a proven manager. Candidates must have strong skills in planning, production organization and control and communication with senior management. Requires a bachelors degree in a related subject (graduate degree preferred) and 5-7 yrs. experience, 2 yrs. of which are in the management of a large scale data processing office or equivalent. The University of Rochester is a private, research-oriented university of high academic standards consisting of eight schools and colleges and a teaching hospital. It is situated in a community where the quality of life is enhanced by the beautiful countryside and strong cultural, industrial and social institutions. Please submit a detailed description of your qualifications in confidence to: Assistant Personnel Director, University of Rochester, 260 Crittenden Boulevard, Rochester, New York 14642. An Equal Opportunity Employer (M/F)

UNIVERSITY OF CALIFORNIA, IRVINE

Faculty Position: Possible opening in the School of Engineering, University of California, Irvine, for an Assistant Professor in Computer Engineering. Duties include graduate and undergraduate teaching. Doctorate and specific research competence in computer engineering and digital systems required. Appointment will interface with the Department of Information and Computer Science. Send resume to Prof. Stuber, School of Engineering, University of California, Irvine, Irvine, CA 92717. An Affirmative Action/Equal Opportunity Employer. To insure consideration apply before June 1, 1981.

April 1981
Applicants are invited for tenure-track appointment in the Department of Computer Science, Wright State University, with rank and salary open. The state supported University is located in a high technology environment among industrial and military research and development facilities. The Department offers Engineering and Science programs at both the undergraduate and graduate levels. It has 19 full-time and 12 part-time faculty, 700 undergraduate and 250 graduate majors. A strength of the department is its laboratory facilities. Candidates should have a PhD degree and strong research interests. They will be expected to contribute to both research and teaching. Please send resumes and names of references to:

Dr. Larry A. Crum, Chairman
Department of Computer Science
Wright State University
Dayton, OH 45435

Wright State University is an equal opportunity and affirmative action employer.

The Department of Electrical Engineering seeks applicants to a tenure-track position at the level of Assistant Professor. Candidates should have PhD, and research interests in communications or computer systems. The teaching duties include participation in the organization and teaching of undergraduate laboratories in communications or computer electronics. Send resumes to Professor P. R. Bélanger, Chairman, Department of Electrical Engineering, McGill University, 3480 University Street, Montreal, Québec, H3A 2A7.

Faculty position at Purdue University. The School of Electrical Engineering seeks applicants for tenure track faculty positions. PhD in EE, outstanding academic record and clear potential for distinguished performance in teaching and research are required. Areas of specialization are not restricted. However, computer engineering is an area of preference. Resumes should be directed to: Head, School of Electrical Engineering, Purdue University, West Lafayette, Indiana 47907. Immigration status of non-U.S. citizens should be stated in dossier. Purdue University is an equal opportunity/affirmative action employer.

The Department of Electrical and Computer Engineering will have a number of tenure track and visiting positions for the 1981/82 academic year. Rank and salary are negotiable. Preference will be given to individuals in the area of Computer Engineering, particularly microcomputers, hardware interfacing, and computer architecture. In addition, we encourage applications from areas such as Communications, Signal Processing, Microstructures, and Integrated Electronics. Applicants must have a PhD in Electrical Engineering or related fields and have a strong commitment to both teaching and sponsored research. Send Curriculum Vitae including references to Dr. Bruce A. Eisenstein, Head, Department of Electrical and Computer Engineering, Drexel University, Philadelphia, PA. 19104.

Drexel University is an equal opportunity/affirmative action employer.

The Computer Science Division of the Electrical Engineering and Computer Science Department invites applications for a faculty position at the rank of Lecturer, Instructor, Assistant, Associate, or Full Professor beginning September 1, 1981. The duties associated with this position center on teaching rather than research. Promotion and tenure considerations will be based on teaching excellence, curricular innovations and administrative service contributions. The successful candidate will be expected to teach introductory courses in Computer and to coordinate, administer, and develop the service course offerings of the Computer Science Program. In addition, the position offers the opportunity to assist with Departmental administration.

The Computer Science Division of Electrical and Computer Science invites applications for faculty positions at the rank of Lecturer, Instructor, Assistant, Associate, or Full Professor beginning September 1, 1981. The duties associated with this position center on teaching rather than research. Promotion and tenure considerations will be based on teaching excellence, curricular innovations and administrative service contributions. The successful candidate will be expected to teach introductory courses in Computer and to coordinate, administer, and develop the service course offerings of the Computer Science Program. In addition, the position offers the opportunity to assist with Departmental administration.

Applications should have at least an MS degree in Computer Science (or closely related area emphasizing computer usage), a demonstrated ability to teach introductory computer science courses, and experience in one or more areas of computer applications and/or software development. Administrative experience in academics, industry, or government is also desirable. Rank and salary will be dependent on background and experience. Qualified applicants should send a detailed resume and the names of three references to:

Professor John R. White
Chairman Computer Science Group
EECS Department U-157
The University of Connecticut
Storrs, CT 06268

The University of Connecticut is an equal opportunity/affirmative action employer.

Opportunities in the
PEOPLES REPUBLIC OF CHINA

Hefei Polytechnic University has openings for two or more faculty positions. Must have masters degree or higher in Computer Science or related field. Prefer broad knowledge and experience in system software. Compensation is below U.S. norm. Period of employment is negotiable. Medium of instruction is English. Send resumes and inquiries to Thomas Sager, Dept. of Computer and Information Science, University of Alabama in Birmingham, AL. 35294.

Several tenure track faculty positions in Computer Science are available for September, 1981. PhD and strong credentials required. Candidates are expected to participate in both teaching and research activities. Excellence of academic and professional background more significant than particular area specialization. However, the following technical areas are of special interest: Computer Architecture, Minicomputers/Microprocessors, Software Engineering, Database Management, Programming Languages, Operating System, Programming Languages, Design Automation, and Computer Science. The positions are at the level of Assistant, Associate, or Full Professor. These positions are available September 1, 1981. Send resume and statement of career objectives to:

Professor Henry Ruston
Computer Science Division
Polytechnic Institute of New York
333 Jay Street
Brooklyn, New York 11201

Equal Opportunity Employer MF/FHV

<table>
<thead>
<tr>
<th>COMPUTER SCIENCE</th>
<th>ENGINEERING FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicants are invited for tenure-track appointment in the Department of Computer Science, Wright State University, with rank and salary open. The state supported University is located in a high technology environment among industrial and military research and development facilities. The Department offers Engineering and Science programs at both the undergraduate and graduate levels. It has 19 full-time and 12 part-time faculty, 700 undergraduate and 250 graduate majors. A strength of the department is its laboratory facilities. Candidates should have a PhD degree and strong research interests. They will be expected to contribute to both research and teaching. Please send resumes and names of references to: Dr. Larry A. Crum, Chairman, Department of Computer Science, Wright State University, Dayton, OH 45435. Wright State University is an equal opportunity and affirmative action employer.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FACULTY POSITION</th>
<th>MCGILL UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Department of Electrical Engineering seeks applicants to a tenure-track position at the level of Assistant Professor. Candidates should have PhD, and research interests in communications or computer systems. The teaching duties include participation in the organization and teaching of undergraduate laboratories in communications or computer electronics. Send resumes to Professor P. R. Bélanger, Chairman, Department of Electrical Engineering, McGill University, 3480 University Street, Montreal, Québec, H3A 2A7.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PURDUE UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty position at Purdue University. The School of Electrical Engineering seeks applicants for tenure track faculty positions. PhD in EE, outstanding academic record and clear potential for distinguished performance in teaching and research are required. Areas of specialization are not restricted. However, computer engineering is an area of preference. Resumes should be directed to: Head, School of Electrical Engineering, Purdue University, West Lafayette, Indiana 47907. Immigration status of non-U.S. citizens should be stated in dossier. Purdue University is an equal opportunity/affirmative action employer.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPUTER SCIENCE</th>
<th>CONCORDIA UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenure track and temporary positions are available at all levels. Areas of special interest include: data base systems and management, computer and digital hardware, and computer input and output; other areas will also be considered. The department offers undergraduate and graduate programs in English. Apply giving resume and names of three references to: Dr. C.Y. Suen, Chairman, Department of Computer Science, Concordia University, 1455 de Maisonneuve Blvd. West, Montreal, Quebec H3G 1M8, Canada.</td>
<td></td>
</tr>
</tbody>
</table>