

digital

MAYNARD

DIGITAL THIS WEEK



Volume 8 Number 22

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Falcon targeted for OEM applications

Digital unveils industry's smallest single-board microcomputer

President Ken Olsen officially introduced the computer industry's smallest 16-bit-wordlength single-board computer (SBC) at the Annual Meeting held Nov. 5. The compact size of Falcon SBC-11/21 makes it ideally suited for build-in applications by Original Equipment Manufacturers (OEMs) where space is at a premium. The new low-end member of Digital's microcomputer family is priced at \$521 in quantities of 100. First deliveries begin next month.

According to Jack MacKeen, Microcomputer Products Group manager, the Falcon SBC-11/21 provides designers with the power and flexibility of 16-bit-wordlength microcomputers, yet is priced competitively with 8-bit-wordlength single-board computers. "We are targeting the new board toward the market space traditionally held by 8-bit boards. Falcon brings full 16-bit computer power to application areas where cost and size -- what we call form factor -- previously made it impractical to use the longer-wordlength microcomputers."

Mighty Micro runs New York Marathon



Mighty Micro, the symbol of Digital's 16-bit microcomputer, gave 8-bit micros a run for their money -- and 16,000 other marathon runners as well. George Roth, marketing specialist for MPG, ran the famous 26-mile New York Marathon in under four hours

The new Falcon SBC-11/21 is aimed at dedicated read-only memory (ROM)-based applications in such areas as laboratory instrumentation, manufacturing monitoring and control, process control, robotics, and medical devices. Dimensions of Falcon are 13.2 X 22.8 cm, enabling integration into instruments and control machinery where space is critical. The Falcon SBC-11/21 interfaces to the LSI-11 microcomputer bus and is the low-end member of Digital's microcomputer family.

The T-11 Chip

The heart of the new single-board micro is the T-11 chip designed and manufactured by Digital's Semiconductor Engineering Group in Hudson. T-11 employs the latest MOS/LSI (metal oxide silicon/large

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digital



President Ken Olsen took the opportunity at the Annual Meeting to introduce the Falcon, the industry's smallest single-board microcomputer, to shareholders and the press.

OFFICE PLUS solidly establishes Digital in office automation market

OFFICE PLUS, Digital's comprehensive of office automation program, was officially introduced to financial and computer industry press, the sales force, and customers at a major press conference and nine-city teleconference held October 29 in Wakefield, Mass.

OFFICE PLUS is the company's concept and marketing strategy for standalone or integrated work and data processing, text management, communication and service.

Calling OFFICE PLUS "one of the most significant announcements the company has ever made," President Ken Olsen said. "The office is the next logical step in bringing computing capabilities into another area of an organization where computers can be used efficiently and cost effectively." He said the company views "the office" as a focal point where information from other parts of the organization -- the factory, the field sales office, the distribution center, and the laboratory -- can be brought together.

The event was also the occasion for the announcement of DECmail, Digital's advanced electronic mail system and a component of OFFICE PLUS. DECmail and

other OFFICE PLUS products -- DECmate, DECword, DECword/DP, DECset, and DECtype, work in conjunction with Digital's communication capabilities.

One of the key building blocks of OFFICE PLUS is DECnet. DECnet encompasses the software products, protocols, interfaces and support systems which enable Digital computers, in a distributed processing network, to communicate with each other.

Julius Marcus, vice president, group manager, stressed the fact that OFFICE PLUS products are deliverable to customer sites immediately. "We have made it possible today to provide data processing, work processing, electronic mail, and business graphics to a large variety of users all from one terminal while insuring customer investments, and providing customized installations, training and service functions," Julius said.

Vice President, US Area Sales, Ed Kramer said, "With VAX Information Architecture and OFFICE PLUS, we're reaching out to individuals within departments -- the secretaries, managers, clerks, and re-

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Sales and Customer Services consolidate

To ensure the highest degree of coordination and teamwork among Digital's field personnel worldwide in responding to customer needs, the Operations Committee has reunited the Sales and Customer Services organizations under the leadership of Jack Shields, vice president, group manager.

Bill Long, vice president, Sales and International, will report to Jack, whose direct reports include Dick Poulson, vice president, Field Service; Don Busiek, Software Services manager; Del Lippert, Educational Services manager; Jerry Butler, manager, Computer Special Systems; and John Alexanderson, manager, Accessories & Supplies.

The managers of the three sales geographies -- Ed Kramer, vice president-United States Sales; Jean-Claude Peterschmitt, vice president-Europe; and Jerry Witmore, vice president-General International Area -- will continue to report to Bill Long.

There are no changes planned in the structure or the operations of the management teams.

Microcomputer unveiled

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scale integration) semiconductor technology. The chip contains the equivalent of 13,000 transistors on a silicon area about four one-hundredths of a square inch in area. It is instruction-set compatible with the world's most popular minicomputer, the PDP-11.

Falcon SBC-11/21 programming

The programs for the Falcon SBC-11/21 can be developed on any PDP-11 computer using the MACRO 11 assembly language or the new MicroPower/Pascal software. Developed and debugged application programs are then loaded into the Falcon SBC-11/21, typically by blasting them into some form of ROM, usually EPROM.

DIGITAL THIS WEEK

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Send stories, photos and ideas to DTW, PK3-1/K23 or call DTN 223-5042. Direct Marketplace ads to Alice Christian, PK3-1/K23, DTN 223-2261.

DTW is published every other week for employees of Digital Equipment Corporation in the Maynard, Mass. area.

Careful! Somebody may be listening

Part Two

Information leaks cost industry two or three billion dollars a year, according to the estimates of several authorities. To minimize Digital's contribution to that needless waste, it's important that all employees be aware of the value of much of the information they deal with at work and of the dangers implicit in its misuse.

"We all need reminding from time to time about how to handle confidential information and of the risks in trading Digital stock when possessing inside information," says Bob Steinbach of the Law Department in Maynard.

Accordingly, here is the company policy on insider trading:

It is essential, in the interest of all concerned (including potential sellers of Digital stock, current investors, as well as Digital vendors, customers and employees), that material information relating to Digital business and financial matters be maintained in the strictest confidence until a full and coordinated disclosure is made to the business and investment community.

Not only is this a good and fair business practice, but failure to adhere to this practice may lead to both company and personal liability.

Two areas of concern that Digital shares with all major companies are:

- Timely disclosure of material company information
- Insider trading

The following guidelines are applicable to

all employees:

No employee shall disclose "material information" relating to company matters (information to which investor would attach importance in deciding whether to purchase or sell the company's stock) to either non-employees or employees who have no need to know the information, until the information has been effectively disclosed in a manner sufficient to ensure its availability to the investing community as a whole.

The U.S. Supreme Court has defined material information as information which a "...reasonable investor might have considered...important in making his or her (investment) decision." This would obviously include such items as a significant event or changes concerning markets or products, information concerning corporate budgets or forecasts, earnings or dividend determinations, significant contracts, changes in management, litigation, financial plans, etc.

A director, officer or employee possessing material information (insider) must abstain from trading securities while material information of which he or she has knowledge remains undisclosed to the investment community. It is important that insiders make no favorable or unfavorable recommendations relative to Digital common stock to outsiders.

Transfer of shares will be monitored to assure compliance with this policy.

Manufacturing VP to work with Engineering

Jack Smith, vice president, Manufacturing, has returned from a five-month tour of duty in Geneva where he gained valuable insights into the management of Digital's European operations. Before he gets settled back into the Manufacturing organization, Jack has been asked to spend several months in the Engineering organization working to further integrate and solidify the linkages between Engineering and Manufacturing.

This has always been an important relationship for Digital, but particularly so these days, given the complexity of current engineering and manufacturing technologies and the continuing need to ensure that both organizations fully understand the challenges of designing and making quality products in high volumes to supply the future needs of the marketplace.

Jack will continue to carry his Manufacturing responsibilities during his temporary stay in Engineering.

Credit Union to hold 2nd annual election

The Digital Employees' Federal Credit Union (DCU) is looking for candidates to run for the board of directors. The board is responsible for setting policy; establishing and approving budgets; approving expenditures; authorizing and reviewing investments; planning for long-term developmental needs; and reviewing financial and operation reports.

Prospective candidates may request a questionnaire by contacting Donna Lane-Nelson, DTN 223-6735. Candidates will be reviewed by a nominating committee made up of Digital employees/DCU members.

Candidates not selected by the nominating committee may run by petition. Petitions will be available after the first of the year. To run by petition, candidates must collect the signatures of one percent of DCU's membership, approximately 350 names.

OFFICE PLUS establishes Digital in market



Listening attentively at the OFFICE PLUS press conference are: l. to r. President Ken Olsen, OFFICE PLUS Program Manager Art Laramie, and Henry Arcona, Corporate manager, Customer Services Marketing.

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searchers. These are major developments and I think they promise major enhancements in the way an organization can pull together information."

Under the new Office Systems Specialist Program, sales strategies will be aimed directly at the office environment. Salespeople, drawn from existing sales forces in Word Processing/Small Systems, Manufacturing, Distribution and Control (MDC), Commercial Service Industries (CSI), and Government Systems Group (GSG), will be concentrating on this marketplace.

Also selling OFFICE PLUS, among many Digital products, are other product groups, represented by some 2,000 Digital salespeople in the field.

The announcement of OFFICE PLUS sets in motion major marketing, advertis-

ing, sales promotion and sales training plans. Along with ads running in computer and business journals, Digital will advertise OFFICE PLUS on network television.

To prepare the field sales force for OFFICE PLUS, a two-week Sales Training effort took three training teams to 16 U.S. cities and Toronto prior to the teleconference.

DCU votes bonus dividend

Digital Credit Union's dividend for the fourth quarter of 1981 has been increased from 6½ percent to 8 percent, a one-time bonus, according to Richard Mangone, general manager. The dividend applies to regular savings, Vacation Club, Christmas Club and U-Name-It Club accounts.

The dividend was voted by the board of directors to show the credit union's appreciation for the support shown by the Digital community to the young financial institution. All funds in the accounts mentioned on deposit from Oct. 1, 1981 through Dec. 31, 1981 will qualify for the bonus dividend, which is compounded daily and will be paid on Dec. 31.

In dollars, the dividend means that an additional \$50,000 will be distributed to the membership. DCU paid \$650,000 in dividends for the third quarter.

"Savings are the backbone of DCU," said Richard, "Members, who save regularly through payroll deduction, are the reason DCU has grown to \$45 million in 18 months. Without the savers, DCU would not be able to offer the programs, services and conveniences that we do."

"The bonus dividend is in the true spirit of the credit union movement. Credit Unions by philosophy return all profit to the membership. The bonus dividend and DCU's low loan rates do just that."

The OFFICE PLUS products

DECmate — A multipurpose Work Processor® system, designed for small businesses, professionals and individual business applications in large corporations.

DECmate uses data processing software and an enhanced version of Digital's word processing software; it performs list processing, alphabetic and numeric sort and communications.

DECword — A PDP-11/34 packaged system which provides multi-user word processing for up to eight users, DECword is targeted to those making extensive use of word processing such as corporate departments. DECword features an interactive computer based training module that allows users to train at their own pace while using the DECword software.

DECword DP — A layered application software product for data processing customers who want word and data processing capabilities. Digital's first RSTS/E-based timesharing word processing application, DECword/DP also features an interactive computer based training module that allows users to train at their own pace while using the DECword software.

DECset — An information management system designed to integrate publishing into a corporation's office automation strategy, DECset is typically used by in-house printing departments.

Supported by a company's 32-bit VAX hardware, VMS virtual memory operating system and DECnet communications, DECset software provides users with the ability to integrate word and data processing with in-plant publishing functions such as phototypesetting.

DECtype 300 — A layered word processing application designed to run concurrently with data processing applications on the DEC Datasystem 300 series of computers. DECtype 300 is written in the DIBOL language to provide integrated data processing and word processing for small business and departmental use.

DECmail — A layered application software product, DECmail offers electronic mail and filing capabilities on a VAX/VMS system for secretaries, managers and professionals. Using DECmail, documents may be created to be mailed and printed or for administrative use, such as for calendars, phone lists, and "to-do" lists.

Risk Management, available 24 hours

Corporate Risk Management has established a 24-hour Response Line to assist Digital personnel in handling emergency situations.

In the event of a serious accident, catastrophe or any other situation resulting in injury to an employee or damage to company property, Risk Management is available to give administrative direction to insure personnel safety and protect Digital property. The Response Line warrants 24 hour access to Claims and Safety personnel to assure that no further losses occur.

During non-business hours (Eastern Standard Time), an answering service will accept emergency calls and forward messages to on-call Risk Management people.

All losses during normal business should be reported immediately to Risk Management professionals who monitor the line during the day.

The Response Line number is **617-493-8380** or DTN **8-223-8380**.

Legislation delays student loans

After you have decided to make the commitment to take an educational loan, processing delays can be frustrating, disappointing and downright maddening.

United States Aid Fund (USA Funds), which processes loans for Digital employees, has reported that the overwhelming volume of applications and new legislation resulted in long delays in the loan process.

The publicity of the proposed governmental budget cuts sent students running to get their applications "in under the wire" -- before the legislation was enacted.

There have been many complaints and accusations that lending institutions held up loans so they could collect the origination fee -- an addition to the Guaranteed Student Loan Program.

First of all, the origination fee, 5 percent of the principal amount of the loan, is paid to the Federal Department of Education to reduce expenses in running the program, not to the banks. The lender deducts the amount of the fee from the loan proceeds: e.g., a student applying for a \$2,500 loan will receive a check for \$2,375, the lender retains 5 percent or \$125 for the federal government.

Secondly, legislation surprised everyone by making the cut-off for exemption to this fee back to August 23, 1981. At this time the student had to have promissory note in hand, regardless of when the loan was applied for.

USA Funds and other organizations tried to get Washington to postpone changes until Oct. 1, 1981. But in fact, the Department of Education gave only two weeks notice before imposing the new regulation.

Many lending institutions and schools delayed processing so they would not have to reprocess loans if the rules were changed in the middle of the procedure.

The Postsecondary Student Assistance Amendment of 1981 includes eliminating separate loan limits for independent students. The loan limits, for loans completed on or after Oct. 1, 1981, stand as:

	Annual	Aggregate
Undergraduate	\$2,500	\$12,500
Graduate	5,000	25,000

Benefits begins health awareness campaign

Health care costs in the U.S. are rising at an alarming rate. Each year, medical benefit premiums for Digital employees increase between 15 and 20 percent.

"We need to raise the awareness of Digital employees on health issues," says John Rosala, Corporate Health Care Planning manager. "Good health is not only in the best interest of employees as individuals, it also helps the company by maintaining a healthy, productive workforce."

As an initial step in increasing health awareness, all U.S. employees and retirees will receive a 1982 health oriented wall

Group personnel manager named for Sales and International

Pat Mapps has been appointed group personnel manager for Sales and International reporting to both Shel Davis, vice president, Personnel, and Bill Long, vice president, Sales and International.

In her position, Pat will provide leadership and focus on long term Personnel strategies and programs for the Sales organization.

Pat has been with Digital for nine years. Most recently, she was group personnel manager for Computer Products for the past three years. Before joining Computer Products, Pat was personnel manager for the Commercial Group and held several positions in Affirmative Action and Compensation and Benefits.

Pat holds a master's degree in Organizational Behavior from Harvard University.



Pat Mapps, Sales and International group personnel manager.

F&A announces new Financial Development Program

For a growing company like Digital, the increasing demand for financial professionals dictates the need for a perpetual pool of highly qualified financial personnel. This resource must include seasoned people with a working knowledge of the company's control systems and processes who are ready to take on key assignments within the organization.

To fill this requisite, Digital has made an investment in a new Financial Development Program, as part of Finance and Administration's overall Career Development Programs. The program, to be launched in July 1982, includes three major components:

- On-the-job rotational assignments in real financial positions over a three year period.
- Intensive Digital oriented graduate level financial education for four months spread over the three years.
- A major written project assignment

Initially, the positions will be located in our Massachusetts and New Hampshire facilities. Rotation will be made throughout functional areas, corporate financial head-

quarters, market groups and product lines and our geographic groups.

The educational aspect, also conducted on a local basis, will incorporate:

- Orientation
- Formal Financial Responsibilities
- Financial Planning, Control, and Evaluation
- Functional Accounting and Finance
- Professional Development courses

Employees who desire to participate in the entire program are invited to submit resumes. Minimum prerequisites include a Bachelors degree of this year including a minimum of 12 hours in accounting and finance, and little or no related experience. In addition, all other finance personnel are invited to participate in all or a part of the curricula portion of the program.

Interested employees should submit a letter of interest and resume to Joe Fargano or Hank Egan at MS/F5. Course curriculum, agenda and a brief syllabus will be available in early spring from the Financial Development Program department.

ning health education programs based on the themes of the calendar.

But not only will you be able to get some healthy information from the calendar, you will also be able to pick up some reminders on benefits, like when you should start thinking about enrolling in the Employee Stock Purchase Plan and when the 1982 Digital holidays are scheduled.

Digital intends to expand its educational campaign on health. But for the moment, watch for the calendar in early December and start your own health awareness campaign.

calendar in December. The calendar, produced by Corporate Benefits, is part of Digital's on-going effort to sensitize employees to major health issues, especially as they affect lifestyle habits.

Each month of the calendar is devoted to a different health care topic, such as nutrition, pregnancy, heart disease and stress. Other months highlight exercise, hypertension, alcoholism, drug abuse, safety, immunizations and cancer.

As part of the health awareness effort throughout the company, many of the Digital Health Services Departments are plan-

Dates set for holiday turkey distribution

It's a Digital tradition. Each year during the winter holiday season, Digital gives each employee a 12 to 14 pound turkey hen. Over 35,000 turkeys will be distributed this year in New England alone. Distribution will be from December 1 to 16.

Employees will receive keypunch cards with their paychecks on the Thursday prior to the actual date of distribution for their site. For example, employees in Northboro will receive their special keypunch cards on Nov. 26 in time for the Dec. 2 delivery date. You must present this card to receive your turkey.

If you prefer, you may donate your turkey to charity. Simply write CHARITY on the face of the card and deposit it in one of the collection boxes that will be located in each facility. These turkeys will be donated to local agencies for distribution.

If you are unable to pick up your turkey, please make arrangements for someone to do it for you. Corporate Employee Activities, who coordinate this yearly project, does not have the freezer space to store turkeys.

Posters will announce the exact location, date and time that employees may pick up their turkeys.

Distribution schedule

DECEMBER 1

Burlington, VT
Augusta, ME
Portland, ME
Westfield
Springfield
Providence
Lowell

DECEMBER 2

Northboro
Westboro
Auburn
Worcester
Southboro

DECEMBER 3

Concord, MA (CF1 & CF2)
Lexington
Bedford
Billerica
Littleton
Sudbury
Hudson, MA
Tewksbury

DECEMBER 7

Salem, NH
Merrimack
Manchester, NH
Nashua, NH (ZK); (RO); (NQ); (NM, NP, NN, NX)
Contoocook, NH
Hudson, NH

DECEMBER 9

Woburn
Westminster
Somerville
Burlington, MA
Marlboro
Boylston, MA

DECEMBER 14

Boston
Natick
Bedford, MA (QI - Processing Eng.)

Hanscom (HN)
Roxbury
Wilmington, MA
Westford
Waltham
Concord, MA (VR Virginia Rd.)

DECEMBER 16

Maynard Mill
Parker Street
Powdermill Road
Acton
St. Bridget's

Community center looks to Digital for volunteers

CODE Hotline and Multi-Service Center is currently recruiting for night crew volunteers — people to work one shift a week from 7-11 p.m.

Initially, volunteers attend a six week training program to learn the techniques and skills necessary to handle situations that come up on the Hotline and at the drop-in center. After these training sessions, volunteers work their shift and attend Sunday night meetings for further in-depth training.

Volunteers are from a variety of ages and backgrounds; many are Digital employees. To find out what volunteering would be like for you, call the Hotline, 617-263-8777 or 486-3130, and set up an interview. CODE will provide the training and supportive atmosphere to turn you into a Hotline volunteer.

TICKET SALES

CELTICS VS. CHICAGO

Wednesday evening, January 6th, 1982
Tickets: \$8.00 each
ORDERS MUST BE RECEIVED BY
DECEMBER 28TH.

CELTICS VS. PHILADELPHIA 76ERS WEEKEND

Saturday and Sunday, March 20-21, 1982
Busses depart from Parker Street (PK3)
Parking lot at 9:00 a.m. Saturday morning.
Approximate arrival time in Philadelphia is 3:30 p.m. Trip includes the following:

- Round trip transportation via private chartered motor coach, includes box lunch.
- Accommodations at Ramada Inn (Saturday evening)
- Breakfast Sunday morning
- Game ticket (Sunday afternoon)
- Baggage handling
- All taxes and gratuities

PRICE: \$90.00 per person - double occupancy

RETURN: Leave Philadelphia at appx. 4:00 p.m. - Return to Parker Street appx. 10:30 p.m.

ORDERS MUST BE RECEIVED BY
DECEMBER 10TH

BRUINS VS. WINNIPEG

Thursday evening, Jan. 7th, 1982 at 7:30
Tickets: Regular \$9.50; Employees \$8.00
ORDERS MUST BE RECEIVED BY
DECEMBER 28TH

ICE CAPADES

Tuesday evening, Dec. 29th, 1981 at 7:30
Tickets: Regular \$7.00; Employees \$5.00
ORDERS MUST BE RECEIVED BY
DECEMBER 21ST

CLIP AND SEND

Use a separate form for each event. (Make photocopies, if necessary).

Event _____ Date of Event _____

I understand that if the allotment of tickets has been sold out, my money will be refunded. I have enclosed a stamped, self-addressed envelope with my home address.

Number of Tickets _____ Check enclosed for \$ _____

Name _____

Mailstop _____ Badge No. _____ DTN _____

Home Address _____

State and ZIP Code _____

Make check payable to DEC Recreation Association and forward with this coupon to:
DEC Recreation Association, PO Box 310, Maynard, MA 01754.

Boston University Spring Semester schedule

Boston University's Metropolitan College, in conjunction with Digital and the Acton/-Boxboro Regional High School, is offering the following courses at its West Suburban campus spring semester, January 18 - May 7. Registration will be held on Jan. 5, 6 and 7.

Tuition and fees

Part time tuition (1-12 credits)

Courses numbered 100-599 -- \$75 per credit, unless otherwise noted.

Courses numbered 600 and above -- \$105 per credit, unless otherwise noted.

Registration fee\$25/semester

Late registration\$15/semester

Late payment fee.....\$15/semester

Late payment and late registration fees will be assessed for registrations received after Jan. 24. No forms will be accepted after Feb. 5.

New tuition payment policy

The tuition payment policy was revised this fall. For off-campus courses, Digital employees must make a down payment of 25 percent of tuition and fees and sign a promissory note for the balance due no later than July 1, 1982.

Courses taken on the main campus must be paid in full at registration. If full payment is not possible, a partial payment may be made in accordance with Metropolitan College's Deferred Payment Plan.

Under this program, a student makes a minimum down payment of 25 percent at registration and defers the remainder for a fee of \$10 per course. The rest is due in three month installments -- February, March and April -- on the tenth of each month. A fee of \$15 will be assessed for late payment.

For further information or to schedule an appointment with the counsellor, please call the Off-Campus Program Office at 617-353-2982.

Registration schedule

Tues., Jan 5 Parker Street Cafeteria

Wed., Jan. 6 Mill Cafeteria
Acton/Boxboro H.S.

Thurs., Jan. 7 Marlboro Cafeteria

Courses at Digital plant in Marlboro

MONDAY

Call Number	Course Number
144944	MK301U1
144964	MK425U1

TUESDAY

144895	CS101U1
144924	MA106U1

WEDNESDAY

144905	CS208U1
144914	FI301U1

THURSDAY

144934	MG465U1
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MONDAY

Call Number	Course Number	Course Title
114605	CS101T1	Introduction to Computers (\$375)
144615	CS103T1	FORTRAN Programming Language (\$375; Prereq: high school algebra)
144705	CS560T1	Organization of Programming Languages (Prereq: CS301; \$375)
144745	CS751T1	Systems Analysis. \$420 (Prereq: CS673 and consent of Advisor)
144784	FI302T1	Financial Management
144794	LA301T1	Law and Business
144804	MA106T1	Math for the Social Sciences and Business (Prereq: MA105)
144814	MA107T1	Statistics for the Social Sciences and Business (Prereq: MA105)
144874	OM463T1	Personnel Management (Digital employees only)
145014	PS241T1	Developmental Psychology (Prereq: PS101)

TUESDAY

Call Number	Course Number	Course Title
144554	AC202T1	Accounting II (Prereq: AC201)
144594	BE521T1	Managerial Psychology II (Prereq: BE220 or BE320)
144975	CS108T1	Introduction to Computing & Pascal (\$375)
144655	CS208T1	Advanced Algorithms and PASCAL (Prereq: CS108; \$375)
144665	CS218T1	PASCAL for Programmers (Prereq: High-level language such as PL/1, FORTRAN, COBOL. \$375)
144674	CS248T1	Introduction to Discrete Mathematics (Prereq: high school algebra and one Computer Science course)
144764	EC101T1	Introductory to Microeconomic Analysis
144824	MG302T1	Introduction to Management
144854	MK301T1	Marketing Management I
144864	OM301T1	Operations Management (Prereq: MA105 and MA107 or equivalent)

WEDNESDAY

Call Number	Course Number
144564	AP102T1
144574	AP104T1
144625	CS105T1
144645	CS204T1
144694	CS535T1
144725	CS662T1
144755	CS768T1
144844	MG415T1
144884	SO205T1

THURSDAY

Call Number	Course Number
144544	AC201T1
144584	AP106T1
144635	CS105U1
144985	CS218U1
144685	CS301T1
144715	CS564T1
144735	CS671T1
144774	EN104T1
144834	MG310T1

10:00-4:30

10:00-2:30

4:30-7:30

10:00-3:00

Course Title

Marketing Management I

Advertising (Prereq: MK301)

Introduction to Computers (\$375)

Math for the Social Sciences and Business
(Prereq: MA105)Advanced Algorithms and PASCAL
(Prereq: CS108. \$375)

Financial Management

Information Systems for Management

Course Title

Accelerated Program Seminar in the Humanities

Accelerated Program Seminar in the
Social SciencesAssembler Language Programming DEC-10/20
(Prereq: programming experience; \$375)Advanced COBOL Programming Techniques
(Prereq: CS104; \$375)

Data Communications (Prereq: CS301)

Introduction to Computer Language Theory
(Prereq: CS547) \$420Design and Construction of Compilers
(Prereq: CS662 and consent of advisor; \$495)

Project/Program Management

Marriage and the Family (Prereq: SO106)

Course Title

Accounting I

Accelerated Program Seminar in the Sciences

Assembler Language Programming PDP-11
(Prereq: programming experience. \$375)

Pascal for Programmers (\$375)

Information Structures
(Prereq: CS208 or CS218. \$375)Introduction to Artificial Intelligence
(Prereq: CS301. \$375)Introduction to Operating Systems
(Prereq: CS570. \$420)

English Composition

Management Skills: Executive Writing
(Prereq: basic writing competence)

UMass videotape program expanded

University of Massachusetts School of Engineering is offering two new courses through its Videotape Instructional Program. A UMass representative will be at the Mill on Jan. 5-6 from 10 a.m. to 2 p.m.

Advanced Computer Graphics and Computer-Aided Design

This three graduate credit course emphasizes raster graphics, hidden surface algorithms and data structures for picture files as well as an exploration of various graphics packages. The videotaped program will also cover computer-aided design (CAD); important vendor CAD systems and software packages; and the design of applications programs that apply to CAD tasks.

Prerequisites are Introduction to Interactive Computer Graphics or equivalent and experience in writing applications programs that incorporate significant graphics.

Advanced Computer Architecture/Very Large Scale Integration

Computer system design is changing rapidly toward the utilization of very large scale integrated circuitry in place of the traditional gate and register design methodology. This change is requiring a new way of thinking for the computer architect in cost tradeoffs and in the consideration of nontraditional architectures.

Prerequisites for the three graduate credit course are Computer Architecture I or instructor's permission and a logic design course or equivalent experience.

Other courses in the Videotape Instructional Program

Electrical and Computer Engineering

Systems Analysis

Interactive Computer Graphics

Microwave Engineering I & II

Electromagnetic Field Theory

Performance Evaluation

Introduction to Radar

Active Microwave Devices

Communication Theory

Selected Topics in Microwave Systems

Industrial Engineering/Operations Research

Probability and Statistics

Engineering Economics Analysis

Active Networks

Microwave Electronics

Algebra and Coding

Computer Architecture I

Design and Analysis of Computer

Algorithms

Introduction to CAD/CAM

Optimum Control Theory

Stability of Distributed Dynamic

Systems

Capacity Planning

Production Planning

Design for the 80s lecture series

A new Engineering lecture series will be initiated next month with President Ken Olsen presenting the first lecture. The selected topics, chosen by an advisory board representing each major Engineering group, are intended to keep engineers and designers current on important technical issues.

Each month will feature a different subject presented by a team of in-house experts. The two-hour lectures will be given three times at three different locations. In addition, the lecture will be video taped and made available through Engineering libraries for employees who could not attend the live presentation.

The first lecture will follow this schedule:

Dec. 5, 2 p.m. - Babbage Auditorium,
ZK

Dec. 8, 2 p.m. - Mill Function Room,
ML5-4

Dec. 22, 2 p.m. - DEC 10 & 20 Confer-
ence room, MR1-2

Future lectures will be announced via posters at Engineering sites and direct mailings to designers and engineers.

Add to your skills

Registration is open for Office Education/Educational Services workshops for December. At the time of publication there are openings for all classes listed. There are only evening courses available in Basic Word Processing.

Basic Word Processing (5 evenings - 4 hour sessions) Dec. 1-11 (PK)

Intro to Word Processing (half a day)
Dec. 14 (PK)

Office Use of DECsystem-10 (3 days)
Dec. 14-16 (BU)

Records Communications System
(RCS) (half a day) Dec. 17 (PK)

RUNOFF (1 day) Dec. 3, 10 (PK)

To register, send a memo with your name, badge number, cost center and cost center manager's signature to the Office Automation Registrar, PK3-1/B11, or contact the training coordinator at your facility. For additional information, call DTN 223-5820.

THE MARKETPLACE



REAL ESTATE

MOBILE HOME, Hurley Cold Seal, 12x56, 2bdrm, kit, d/r, l/r, bath, adult park, moving. Mary, ML223-5980.

MAYNARD, split entry, 9rm, 3-4bdrm, wood stove, country setting, \$74,900. Laura, PK223-2061.

BLACKSTONE, MA, 6A homesite lot w/200' frontage, prime loc, cntry setting, \$16,500. Mike, MR231-4563.

LANCASTER, 3 bdrm ranch, sun deck, 2 frpls, finish famrm, woodstove, \$69,500. Beverly, PK223-6888.

ACTON, Townhouse-condominium, beautiful, spacious, 2 bdrm, full bsmt, low \$70's. Mary, MR 231-6722.

NOVA SCOTIA, lovely older home, 2A, 5bdrm, over-looking lake/mtns, \$16,000. M. Simone, HR245-5305.

BOSTON, Condo, 1 bdrm, next to market, expressways, \$40,000. Patrick, PK 223-6815.

ACTON, 4 rm condo w/loft, exc location, \$54,500. Brenda, BU 249-4939.

MARLBORO, 8 rm colonial, brand new, 12% financing avail for ltd time, \$99,900. Sandra, VR273-3095.

STOW, ranch, 3 mi from new Digital plant in Stow, 3bdrm, frpl liv rm, \$71,900. Richard, MR231-4436.

BURLINGTON, 4 bdrm split entry, Georgian, 2 full bths, 2 frpls, pool, 1/2A. Winston, QI 280-7327.

RENTALS

SKI HOUSE, Sunapee/King Ridge area, NH, 4bdrm, 2 bath, w/b stove, slps 8, \$1800. Dick, TW247-2663.

HOUSE, Nashua, NH, 3bdrm, 2 bath, gar, gas ht, avail Oct, \$650/mo+util. Hiren, TW 247-2101.

LAKEFRONT COTTAGE, Hillsboro, NH, slps 4, fully eqp, winterized, \$175/wk, \$75/wkend. Susan, MR 231-6147.

SHARE HOUSE, Bellingham, with mother/child, 3 bdrm, furnished, \$200/mo incl util. Joseph, ZX253-2434.

CONDO, Loon Mtn, 2bdrm, seasonal ski rental, teen-ctr, shuttle bus, swim, more. Joan, ML 223-1366.

SKI HOUSE, Sugarbush, VT, (M/F singles 25+) for luxury chalet, \$500/season. Murray, ML223-4447.

TOWNHOUSE, N. Conway, 4 bdrm, winter season, 2 bath, w/d, d/w, jacuzzi. Bruce, PK 223-3445.

RANCH, Littleton, 3bdrm, landscaped yard, w/w carpets, screened porch, \$725/mo. Maureen, NI261-2050.

CONDO, 1 1/2 mi from HL, 2bdrm, 1 1/2 bths, kitch, liv rm, furnished, no lease, \$700/mo. Jane, NR 234-4681.

SKI CONDO, Sugarbush, Vt., frpl, TV, ski to/from slopes, nr village. William, ML 223-2088.

GARAGE SPACE, Concord, \$30/mo. Cheri, WV 226-7223.

LOG CHALET, W. Wardsboro, Vt, 4bdrms, 2bths, frpl, liv, kitch, 12/15-4/15 \$500/mo+util. Angela, PK223-6875.

HOUSE, Leominster, 3 bdrm ranch, immediate occup, lease, \$450/mo+util. Faye, WV226-7196.

HALF OF MODERN CONTEMP HOME, Lexington, avail immediately, \$350/mo+1/2 util. Chang, WZ 238-3523.

CONDO, Waterville Valley, entire unit slps 14, 4 bdrms, 4bths, families only. Dolores, PK223-7164.

APT, 2-3 bdrms, eat-in kitch, dinrm, livrm, laundry rm w/wash/dryer, \$385+util. Theresa, ML223-7444.

SKI CONDO, Killington, contemp, 4bdrms, 4bths, frpl, mid-week/wkend rentals. Claire, MR231-6935.

RANCH, Harvard, 7rm, avail Nov, \$500+util. CONDO, Ayer, 5rm, no pets, \$475+util. Dick, MS 223-8266.

ROOM, Sterling, fully furnished, kitch/laundry privacy, F non-smoker, \$40/wk. George, BU249-4260.

ROOM in lg colonial house, bathroom/kitchen privileges, \$200/mo. Janice, BU 249-4279.

APT, Clinton, 2bdrm, in older Victorian home, lg dinrm/liv rm, \$325/mo. George, HL 225-5410.

WANTED

35MM CAMERA. Kathy, HU 225-5688.

SUNRISE INSTANT COFFEE JARS, 1/2 EGGS EGGS, for crafts projects. Diana, MR 231-4168.

ENGINE for 70-73 Toyota 18R, gd running, will pay \$100-\$125. Angel, ML223-5629 (2nd shift).

CLIMBING FRAME in gd cond. Chris, MR231-4364.

AQUARIUM, 10 or 18 gal w/filter, hood, etc, reasonably priced. Polly, NR 234-4481.

SMALL FREEZER, under 10 cu ft. Lynn, FF258-4044.

LEAD GUITARIST, exp, prefer w/vocals, forming band into Rondstadt, Top 40, Benatar, Pam, MR231-6749.

SILVER COINS, will talk business. Scott, TW247-2711.

CB RADIO, 40CH working unit, antenna, hardware. Dick, QI 280-7540.

LARGE AREA RUG for use in my playroom, color not important, reasonable. Dick, ML223-8200.

SNOW TIRES (2) 165R15 radials w/o studs; 4 stud bias ply, for trade/sale. Mark, FP283-6278.

COFFEE URN, commercial, non-elec, prefer 2 1/2 gal size. Lynda, HL 225-5101.

PENTAX 35MM CAMERA LENSE, screw type mount, all sizes accepted. Ken, CF251-1678.

BASEBALL CARDS from '60s/'70s, Xmas present for young collector. Connie, PK 223-2927.

WS-78 WORD PROCESSOR or equivalent, preferably w/RX02 drives, used. Robert, HU 225-4232.

CRIB AND CHANGING TABLE in gd cond. Betsy, PK 223-5735.

DEHUMIDIFIER in working cond. Pamela, VR273-3053.

FRENCH HORN, single or double, any cond, will pay value. George, MR231-5528.

BOY'S SNOWMOBILE SUIT, sz 10-12, reasonable. Dolores, WZ 238-3474.

OLD HOME/BUILDING (to restore), LAND (for solar home), Stow, Harvard, Groton. Dave, PK 223-1858.

BABY FURNITURE (crib, dresser, armoire), KITCHEN TABLE/CHAIRS. Ann, PK 223-2504.

COPY OF "THE ART OF WALT DISNEY" will pay up to \$30, depending on cond. Suzanne, HL225-4350.

VIDEO GAME, cartridge type, reas price. Jim, TW 247-2207.

TRANS AM HONEYCOMB MAGS, 2-15X8 w/gold trim, any reasonable price. Ed, WB237-2303 (3rd shift).

APT, 2/3 rms, furn/unfurn, Leominster/Fitchburg area, for couple. Heidi, PK223-6912.

ROOMMATES

(M/F) share lg 2bdrm apt, Framingham, own bath, privacy, \$285/mo incl util. Terri, FP283-7650.

(M/F) non-smoker, share 3 bdrm house, Milford, MA, \$225/mo+ 1/2 util. Joe, PK 223-8576.

SHARE 3-level 2bdrm townhouse, W. Concord, \$300/mo + 1/2 elec. Steve, ML223-3084.

SHARE 2 bdrm townhouse, Acton, 1 1/2 bath, bsmt, \$265/mo incl util. Mark, PK 223-1985.

(M) share 3 bdrm home, Hopkinton, near lake, 495, \$185/mo+1/3 lights, phone. Bob, MR 231-5522.

SHARE modern 3bdrm duplex, avail immed, \$250/mo+ 1/3 util. Bill, HL 568-4000, Ext 4745 (3rd shift).

(M/F) share 3bdrm apt, Somerville, \$130/mo+ 1/3 util. Frederick, FP 283-6317.

(Prof F) share ultra beautiful apt, Somerville, \$350/mo incl util, laundry. Debbie, WJ257-1226.

(M/F) non-smoker, live in Weston, Newton, Wayland area. Peter, MR 231-5227.

(M) to share home in Lancaster, 8 mi to NR2, 12mi to MR1, \$200/mo+1/2 util. Bill, NR 234-4420.

HOUSEMATE to share lovely farm house on 6 1/2A in Littleton, arrangement negot. Pauline, CF251-1756.

(M/F) share 3 bdrm house, Stow, MA. (Lake Boone) with 2F, \$300/mo+1/3 util. Rachel, PK223-8148.

(M) share 7 rm apt in Clinton, \$250/mo incl util. Denis, ML 223-9902.

(M/F) share 6 rm apt, Milbury, \$175/mo+util. John, MO 231-5588.

(F) share 1st fl apt, Worcester, 2 lg bdrms, non-smoker, \$115/mo+util. Donna, ML223-6787.

(F) find/share house/apt, Hudson/Marlboro, non-smokers, approx \$150 incl all. Joyce, AC232-2283.

SHARE APT, 2 bdrm, 2 bath, West Acton, \$260/mo+ phone. John, HL 225-4123.

(M) share 2 bdrm apt, Acton, \$210/mo+1/2 elec, 1/2 phone. Jeff, WA 221-5327.

(M/F) share 2bdrm condo, Pickwick Estates, N. Chelmsford, \$265 (incl ht)+elec. Al, OF 274-6587.

SHARE 3 bdrm house, Auburndale, gas heat, d/d, washer, \$275/mo+1/2 util. Jennie, CF 251-1503.

SHARE SPACIOUS 4 BDRM SLAB, Framingham, avail Nov., \$260/mo incl all. Donna, HU 225-4331.

(F) share beautiful 2 bdrm apt, Marlboro, \$180+ 1/2 util (incl pool, parking). Deanna, BG223-6353.

SHARE 4 bdrm colonial house, Acton, gas heat, \$300/mo+ 1/2 util. Karen, PK 223-6796.

(M/F) share 3 bdrm condo, Acton, \$275/mo+ 1/4 util. Rachel, ML 223-9281.

SHARE furnished 2 bdrm townhouse condo, Watertown, \$350/mo incl util. Donna, MR 231-6903.

(F) share brand new condo, Rte 20, Marlboro, \$195/mo+ 1/2 util. Sue, ML 223-8977.

APPLIANCES

PORTABLE WASHER, sm apt sz, recently installed clutch, pump, belt, \$175. Larry, TW 247-2726.

STOVE (Gas), coppertone, exc working cond, approx 7 yrs old, \$75 or B/O. Lou, MO 231-5473.

FREEZER, 16 cu ft Whirlpool, upright, \$250. WHIRLPOOL REFRIGERATOR \$150. Allan, QI 280-7354.

MAYTAG WASHER, top rated DE30F; DRYER A10, in perfect cond, \$350/pr. Dave, ML 223-1923.

FRIGIDAIRE GAS DRYER (Harvest Gold), exc cond, \$100. Paul, HL 225-5058.

DRYER, 8 yr old Speed Queen, \$50. Marilyn, PK 223-9319.

PETS

BEAUTIFUL FAMILY GERMAN SHEPHERD, FREE to family who'll provide love/play. John, ML 223-0199.

TABBY CAT (f), spayed, 4 yrs old, affectionate, obedient, FREE to loving home. Sally, MR231-4037.

CAT (f) spayed, w/no front claws, 2yrs old, prefers outdoors, FREE to gd home. Cheryl, CF251-1692.

DOG (f) 7 mos, 1/2 husky, 1/2 shepherd, great w/children, all shots, FREE. Edith, AC 232-2303.

KITTEN, approx 12 wks old, box trained, gets along w/other cats, nds gd home. Richard, ML223-3526.

COCKATIELS, 1 pearl (m), 1 latino (f), \$160/both, will not separate. David, HL 225-5593.

KITTENS (3f, 1m), white, gray, blk/wht, orange. FREE. Pat, PK223-6648.

PUPPIES, German short hair pointer mother, father unknown, FREE. Etsuko, ML 223-6239.

CATS(n,6 mos old;n,2 mos old;f,2 yrs old),home wanted. Sarah, LJ 282-2156.

DOBERMAN FINCHER PUPPIES,AKC,papers incl,reds \$350-\$400;blk/tans,\$200-\$250.Debbie,PK223-2773.

ERBILS,FREE. Marilyn, PK223-9319.

BASSETT HOUND,2 yrs old,purebred,spayed,shots, gd health,FREE to gd home.Dick,MS223-6501.

CAMPERS/TRAILERS

'73 VAN/CAMPER,Econoline,slps 5,stove,sink, toilet,raised roof,\$3995.Bragyam,ML223-7909.

'70 CAMP-FOUR TRAVEL TRAILER 19',slps 6,fully self-cont,htr,campoy,\$1600.Bonnie,PK223-5768.

'70 NIMROD TENT TRAILER,Pop-Up,w/stove,ice box, slps 6,nice sz,\$900 or B/O.Carolyn,WB237-2587.

'81 COLEMAN SEQUOIA,3mos old,slps 7,stove,sink, porta potty,boat/bike rks,\$3600.Mark,HY259-3794

POP TOP SCAMPER TRUCK CAMPER,fits long bed mini truck,stove,water sys,\$1200.Marilyn,HL225-4890.

MOTORCYCLES

HONDA CB450,exc running/looking cond,end of season sacrifice,\$695. Tim, HL 225-4859.

1969 HODAKA 100,\$250. 1973 HONDA CL70,\$150, gd trail bikes. Bob, LW 247-2913.

1976 HONDA 750CC Hondamatic,full fairing,c/c, 23K mi,gd cond,\$1000 or B/O.Brian,ZW284-6033.

1966 HONDA CB450,classic bike,extra gas tank, mint cond,\$1500 or B/O.Ralph,HL 225-4750.

1980 HARLEY DAVIDSON SPORTSTER,blk,ssissy bar, 5K mi,exc cond,\$4000 or B/O.Tim,ML223-3168.

1975 HARLEY SPORTSTER,stock,low mi,blk,\$3000 firm. Craig, LJ 282-2180.

BOATS

23' AQUARIUS SAILBOAT,Chrysler 7hp OB incl, ny extras,gd cond,\$7500. Larry,ML223-5725.

13' BOSTON WHALER,Sport Model,25hp Evinrude, tilt trlr,mooring cover,\$3000.Steve,WB237-2385.

MERCURY OUTBOARD ENGINE,9.9 hp,\$495. Joe,CF 251-1698.

10' STYROFOAM HULL of sailboat and aluminum masts,\$35 or B/O. Bettianne,MS 223-3155.

CARS

'77 DATSUN 810,std,burgundy,new rads,am/fm ziebart,\$3500 or B/O.JoAnne,OF 274-6754.

'48 CHEVY TRUCK,\$800 or B/O.Ronald,ML223-3509.

'72 PLYMOUTH FURY,4 dr,V8,a/c,gd tires,\$400. Bob, MS223-3514.

'76 NOVA SS 350,4spd,\$2900. '79 MAZDA RX7-GS, 25K mi,5spd,\$7450. Sandy,MS 223-7577.

'72 JEEP WAGONER,4 WD,C.B.,exc running cond. Steve, ML 223-6496.

'69 MUSTANG MACH I,302,4spd,nda tires,brks,frt eng work,some rust,\$700.Gary,MR 231-5508.

'71 LINCOLN MKIII Classic,loaded w/options,low mi,garaged winters,\$3300.Robert,BX 224-2270.

'74 VW DASHER for parts,body rusted,eng runs gd, new front brks/master cyl,\$800.Doug,MR231-5400.

'70 FORD HAVERICK,2 dr coupe,6cyl,auto,80K mi, runs well,some rust,\$350 firm.Joe,NR 234-4212.

'77 DATSUN B210,2 dr,auto,58K mi,am/fm 8-track, \$2600. Allen, ML 223-8356.

'73 BUICK,light blue,gd cond,minor body work required. Tina, BU 249-4527.

'73 VW BUG,gd engine,runs well,nds little work, \$750 or B/O. Susan,ML 223-3130.

'75 CHEVY VAN,ps/pb,auto,6cyl,new tires,\$1200 or B/O. Robert, ML 223-3396.

'75 AMC HORNET Sportabout,6cyl,auto,79K mi,very gd cond,\$1400. Karen,CF 251-1160.

'70 AMC,AMX,ps/pb,am/fm 8-track stereo,Dunlop qual on rear,\$4000,will talk.Jeff,NR351-4657.

'73 CAPRI,2dr,2600cc,V6eng,75K mi,4spd,std,4 new rad tires,\$800 or B/O.Charles,ML223-5707.

'74 LINCOLN CONT MARK IV,body/mech(just re-stored),low mi,exc cond,\$3000.Bob,TW247-2826.

'74 DODGE CUSTOM SPORT VAN,6 cyl,1/2 ton,custom whls,4 spare tires,\$1700 or B/O.Carli,MR231-6708.

'77 VW RABBIT,orange,umroof,am/fm cass stereo, 60K mi,\$3600 or B/O. Linda,HL 225-5397.

'77 MALIBU CLASSIC,2dr,8cyl,a/c,am/fm stereo tape deck,rustprf,\$3300. Claire,PK 223-8876.

'80 TURBO TRANS AM,a/c,am/fm cass,deluxe int, maint paperwork,exc cond,\$7300.Scott,HL225-4637.

'74 CHEVELLE MALIBU,2dr coupe,p/s,auto,6cyl,new batt,cables,exh,tires,\$1650.Nina,PK223-3105.

'70 MGB Convertible,5 spd,exc mech cond. Bob, ML 223-8588.

'76 GREMLIN,auto,6cyl,orange w/tan,am/fm stereo, 8 track,\$1850 or B/O. Dorothy,PK 223-2730.

'80 FORD T-BIRD,ps/pb,a/c,am/fm stereo,45K mi, exc cond,\$6900. Elliot, MR 231-6254.

'66 FORD MUSTANG,3spd,new tires,runs,wht/blk undercoating,\$300.Tom,HL225-5125(btw 5-12 pm).

'72 FORD LTD,2dr HT,low mi,orig owner,snow tires,exc cond,\$800 or B/O.Ollie,MR 231-4044.

'71 PLYMOUTH FURY,2dr HT,ps/pb,a/c,nds some fender/cool sys repair,\$600 or B/O.Dick,ML223-8102.

'72 MERCURY COUGAR,gd shape for the year,runs great,very dependable,\$400.Allen,HL 225-5515.

'78 VW DASHER,4spd,am/fm stereo,rustprf,45K mi, exc cond,\$5100 or B/O. Martha,QI 280-7413.

'79 FORD PICKUP TRUCK,Ranger XLT,302V8,4spd, (\$5500 or B/O)in Pembroke,Pa.Eugene,SC254-2255.

'66 SAAB,2 stroke,3cyl,27mpg,runs/looks gd. \$500 or B/O. David, MR 231-6868.

'77 DODGE COLT,70K mi,recent mtr change w/42K mi,body fair,4spd,4cyl. Steven,WZ 238-3375.

'60 VOLVO 122,4 dr,gd winter car,dependable, runs well,\$500. Peter,MR 231-5227.

'75 TRAIL DUSTER 318,4spd,4 w/d,ps/pb,a/c,new clutch,starter,batt,\$1650.Arlene,VC258-4173.

'74 TOYOTA CELICA,no rust/rot,new eng,shocks, clutch,gd tires,\$2500.Lisa,MR 231-6215.

'79 CHEVY CHEVETTE,4dr,auto,navy,am/fm cass, 46K mi,\$3800. Liz, WV 226-7243.

'71 FORD PINTO 2000cc,4spd,runs but nds engine work,\$200 or B/O. Paul,XE 221-5522.

'72 CONVERTIBLE PORSCHE 914,gd cond,priced to sell,\$2850 or B/O. Andrea,PK 223-5394.

'79 JEEP CJ5 Renegade,red,39K mi,fiberglass top,am V8,\$4900. Kevin, MO 231-5734.

'77 PLYMOUTH ARROW 2000,5spd,am/fm,rear defog, h/b,reg gas,\$3000. Louise,ML223-9148.

'74 OPEL MANTA,Pioneer am/fm cass,gd mi,\$1500 or B/O(\$200 less w/o stereo).Shirley,NA233-2197.

'71 AMX,auto,ps/pb,a/c,newly rebt 360 end,many new parts,\$1250 or B/O.Shirley, HL 225-5042.

'81 MERCURY CAPRI,4cyl,am/fm stereo,umrf,ps/pb, 2500 mi,under warr,\$6995.Mary, ML223-3799.

'74 VW SUPERBEETLE,rebtl eng,new htr boxes,am/fm 8-tr stereo,\$1495. Susan,FP283-7422.

'70 CHEVY MALIBU,runs great,snows on rear,htr works gd,\$750. Fred, MR 231-7264.

'79 FORD PINTO PONY,exc cond,33mpg,snow tires, 37K mi,\$3150. Karen,PK 223-9016.

'73 DATSUN 240Z,auto,vinyl roof,T/A radials, mag whls,CB,\$2750 or B/O. John,MO 231-5588.

'80 CHEVY CHEVETTE(blue),4dr,4spd,am/fm radio, undercoat/rustprf,\$4500. Louise,TW 247-2358.

'76 CHEVY MALIBU CLASSIC,2dr,ps/pb,am/fm stereo, radials,a/c,exc rum cond. Pam,MR 231-4365.

'67 VOLVO SEDAN 122S,collectors item,exc body/int,eng rebt,B/O. Rod, MO 231-5105.

'69 FORD TORINO,gold/blk sedan,runs gd,\$300. Kirti, ML 223-2144.

'75 TOYOTA CELICA GT,5spd std shift,am/fm cass, radials,gd cond,\$1700 or B/O.Mike,CF251-1071.

'79 CHEVROLET SUBURBAN,4 W/D 350 V8,p/s>manual, 26K mi,extras,exc cond,\$6500.Mary,MR 231-7604.

'69 MUSTANG MACH I,parts/restoration,spare 351C eng,pkg deal,\$1000 or B/O. Alfred,ML223-3896.

'74 VW BUG,gd rum cond,125K mi,nds paint,well maintained,1 owner,\$1500. Alice, CF 251-1996.

MISCELLANEOUS FOR SALE

SHAG CARPET 9'X12',green w/padding,\$100.KITCHEN TABLE,round,4 DRAWER CHEST,B/O.Ida,PK223-2293.

AIR TANK,refillable w/high pressure gauge/hose, 160 lbs max,approx 325CC,\$35.Gary,PK223-6030.

STEREO SYSTEM 8-tr,turntable,2 spkrs,sounds gd, \$100 or B/O. Nancy, HY 259-3817.

SEARS CRAFTSMAN 3.7A CHAIN SAW,like new,w/ owners manual,\$125. Donna, AK 246-2246.

ORTHO LAWN SPREADER,2 yrs old,exc cond,\$20. Lou, LW 247-2925.

SOFA 84" contemp,beige,like new,used 3 mos, \$350 or B/O. Ruth, PK 223-5240.

BOY'S 3 PC MED BLUE STRIPED SUIT,sz 18,olim, like new,\$30. Pat, PK 223-6126.

WOMAN'S WORLD 4-YEAR VIP MEMBERSHIP(orig paid \$250 6 mos ago)\$150. Nanci, MS 223-4517.

GARAGE DOOR,16'X7',all hardware incl,very gd cond,\$250. John, NR 234-4310.

CONSOLE STEREO,6'L Italian Prov am/fm,Scott components,pecan finish,\$150.Steve,PK223-4726.

GARAGE DOOR,6 panel w/windows,nda rollers/some hardware,\$75 or B/O. Bill, MR 231-4785.

MAPLE STUDENT CHAIR/DESK,all wood,\$55.SEARS ROUTER-CRAFTER,never used,\$75.Peter,ML223-3154.

TABLE SAW,Craftoman 10",accessories. Bill,BU 249-4423.

BILLY BEER,case of mint,full cans,\$500 per six-pack. Jared, MR 231-5653; Bob,TW247-2143.

MOVIE CAMERA/PROJ(GAF)SCI100 stand,or super 8MM film,never used,\$135. Robin, HU 225-4330.

PIONEER KP500 SUPERTUNER,under-dash FM-Cass player,2 spkrs,\$180. Kathy, CF 251-1466.

DINING RM TABLE(walnut),DRESSERS,oak,mahogany, CHILD'S OAK CHAIR,BED. Wayne,ML223-3727.

PIN BALL MACHINE,Williams "Aces and Kings",gd working order,\$250 w/prints.Stephen,ML223-8919.

KITCHEN CHAIRS(3).LIVING RM CHAIR/OTTOMAN, MARBLE TOP COFFEE TABLE,B/O.Ida,PK 223-2293.

SOFA,3 pc Ital Prov sectional w/corner table, pecan finish,\$150. Steve, PK 223-4726.

SCUBA GEAR,72ci tank,backpack,dbl hose regulator,\$125; tank only,\$70.Gary,PK223-6038.

SALOMON BINDINGS,\$50. NORDICA PRO BOOTS,\$50. Sue, MR 231-6873.

ACME JUICERATOR Model 5001,like new,\$60.Peter, ML 223-3154.

GAF SUPER 8 MOVIE CAMERA/PROJECTOR,basic starter kit,\$75,will sell separate.Mitch,ML223-4358.

KARATE UNIFORMS,szs 1,2(child,pre-teen)\$25/ea of 2 for \$40. Claire, ML 223-7159.

BEDROOM SET(5 pc),blonde,\$200.Gail, PK 223-8280.

MISCELLANEOUS FOR SALE

LEATHER JACKET, brown, sz 42, exc cond, \$69.
Chris, PK 223-2955.

TRUCK CAP for 8' bed, 33"H, alum paneled, dome light, \$255. Ginger, ML223-2359.

SNOW TIRES (2), mounted, H78X14, Goodyear poly, gd cond, \$60. Ron, MR 231-4255.

15 GAL AQUARIUM w/access, wood base, \$15. 5 GAL BOTTLE \$10. Christine, PK223-5042.

RADIAL SNOW TIRES/RIMS, 12" for Toyota or Honda, \$40/pr. Roy, BU 249-4917.

LAWN MOWER, 1980 Jacobsen 20" twin-blade mulching, 3HP, B&S eng, gd cond, \$150 or B/O. John, MN223-6618.

ELECTRIC WATER HEATER, Sepco "Lifetime" tank, 66 gal capacity, \$50 or B/O. Fred, TW247-2859.

LIVING RM SET, mod, sofa, 2 chrs, chrome/glass end/ coffee tables, \$350 or B/O. Stephanie, CP251-1333.

MAPLE BUREAU \$25. CHAIR, green, upholstered \$15. Margaret, BU 225-4376.

ROLLER SKATES, ladies (Winners) sz 7, brown suede w/pink whale, \$75 or B/O. Ted, ML 223-8199.

GUITAR, Gibson "The Paul" \$425. AMP, \$225. Roger, PK 223-3807.

SNOW THROWER, Lawnboy, elec start, 1 yr old, used 3 times, \$300. Leslie, MR231-6555.

YAMAHA ACOUSTIC GUITAR, 12 string, older model, well aged, w/case, \$200. Michael, ML223-2360.

HART SKIS 185CM, Henki ski boots, sz 8 1/2, poles/ bndgs, \$100/all, will sell sep. Vic, FP283-6228.

SEASON SKI-LIFT TICKET, Crotched Mtn ski area, \$225 value, \$150. Ken, PK 223-1854.

JENSEN CAR STEREO, am/fm cassette, in-dash, f.fwd/rewind, \$150. Carol, CF 251-1372.

TENNIS RACKETS (2) Wilson, like new, \$15/ea. Deborah, PK 223-6381.

STEREO, Zenith, contemp walnut console, am/fm rad, turntable, \$200 or B/O. Susan, ML 223-9379.

WATERBED, mahogany hdbd w/shelves, 2 drawers ea side, 3 mos old, \$500. Dianne, ML 223-6239.

R/C EQUIPMENT, 7airplanes, some nd work, 8 chan radio/servo/charger, \$450/all. Linda, CP251-1623.

MORSE STEREO BAR w/am/fm radio, 8tr stereo, turntable, bar stools, access, \$500. Carol, WJ257-1200.

BUFFET HUTCH W/O TOP, 35yrs old, solid rock mple, approx 4 1/2'x24"W, \$60. Connie, LK 226-7182.

SPEAKERS, Model RAL 3000, in sealed boxes, list for \$800, sacrifice @ \$300. Mike, MR 231-5560.

PENNSYLVANIA LAWN+GARDEN TRACTOR, 8HP, 38" mower, heavy duty frame, gd cond. Sharon, NR234-4432.

FISHER STOVE, wood/coal, fire brick lined, boiler plate steel, airtight, \$350. Debbie, MR 231-5950.

BABY ITEMS, carriage \$35; crib w/mattress \$70; swing \$10. Mike, MR 231-6273.

BYTE, CREATIVE COMPUTING back issues (others) \$1/ea or B/O for lot of 50. Dick, MR 231-5483.

ARCHERY EQUIP, left hand target bow (66" 35# draw) 12 arrows, more, \$75 or B/O. Glenn, HL225-4852.

TIRES (4) Kelly Springfield rads, P225-75R15, also fit JR7815, 84HR7815 (unmtd), \$250. Lori, HU225-4365.

STEREO SPEAKERS, AR18, walnut, in warranty, as new, \$130/pr. Christopher, MR 231-4173.

WOODEN DESK/CHAIR \$125. DINETTE SET, table w/leaf, 6 chairs, green/gold \$125. Carol, MR231-5603.

ELECTRIC HEATER 6' 1300W portable sealed "hot water" unit, gd cond, \$25. Bob, PK 223-7573.

SEWING MACHINE, Sears, cabinet, many stitches, buttonholer, etc, \$100. Susan, ML 223-9379.

TIRE, new LR78-15 (Premium), \$40. Mike, ML 223-3406.

BARITONE HORN, Conn Bb, lacquered brass, case, \$300. GUITAR, OLD GIBSON LG-1, \$65. George, ML223-6983.

ALUMINUM COMB DOORS (2) 1" thick, 2'x6'8"; 3'0"x6'8", gd cond, B/O. Tom, ML 223-2168.

DINING RM SET, Kling pine trestle tble, 36X72, 2 bnches, 2 capt chrs, hutch, \$1000. Donna, ML223-2274.

GREEN CARPET 12'X14' + closet, very gd cond, \$75. DOG HOUSE, 4'H, \$25. Bill, TW 247-2262.

SOFA, ROCKER, COCKTAIL TABLE, OTTOMAN (4pc Belmont set) 1 wk old, must sell, \$500. Lisa, MR231-6215.

SNOW TIRES (2) D78-14 regular, used 1 season, gd cond, B/O. Nancy, PK 223-7105.

DINING RM SET, formal oak traditional, w/6 cane-back chairs (orig \$1200) \$600. Judea, BU249-4302.

AMERICANA ENCYCLOPEDIA, 30 vol, 1980 ed, new, still boxed, cost \$1200, \$900 or B/O. Golda, PK223-3105.

TEAC 3340S TAPE RECORDER, 4 chan, reel-to-reel, 7 1/2, 15 ips, exc cond, \$750. Marc, ML223-3196.

ANTIQUE PUMP ORGAN, 1860 Eatey cottage organ, Al working cond, \$2500. Barbette, TW 247-2011.

FIREPLACE HEAT CONVERTER, blk steel log grate, am elec motor, \$35. Marilyn, ZX 253-2486.

LUDWIG DRUMS, 2 new am dble headed Power Toms 9"x8", 9"x10", \$225 or B/O. Linda, MS 223-0916.

SKI BOOTS, men and women's sz 10 Nordica, exc cond, hardly used, \$75 or B/O. Bettiane, MS223-3155.

SWIMMING POOL, 12'X3' Muskin, incl filter/cover, disassembled/packaged, \$85. William, LM231-4687.

35MM MINOLTA XC-9 CAMERA w/Vivitar 80-200mm lens, \$325 (will sell sep). Rosemary, LM231-6715.

DULUDE BOX STOVE \$275; SCANDIA CONICAL STOVE \$200, incl pipes/screens. Diana, TW 247-2189.

1977 ENCYCLOPEDIA BRITANNICA, like new, w/1978 yearbook, \$700. Larry, ML 223-6504.

ANTIQUE HORSE DRAWN SLEIGH, completely refinished, \$450. Bob, TW 247-2376.

WEDDING GOWN, sz 20, Queen Anne neckline, long sl, train (orig \$325) \$250 or B/O. Kathy, PK223-5854.

CHAIN SAW, 17" bar, John Deer, 8yrs old, gd cond. Bill, ML 223-1902.

RECEIVER, Nikko R-719 35 w/antenna, 7mos old, \$275. Bruce, WB 237-2303 (4-12 pm).

SNOW TIRES (2) steel rads, studded, sz ER78-14, low mi, unmounted, \$75/pr. Steve, HL 225-4692.

SKI BOOTS, new '81, sz 8 1/2 Nordica (orig \$115), \$75 or B/O. Jo, ML 223-8262.

POOL TABLE, slate pocket tble, formica butcher-block finish, incl access, \$700. Liz, WU 226-7243.

WOOD STOVE, Northern Comfort, air tight frpl insert, 1 yr old, used little, \$400. Dick, AC232-2534.

RADAR DETECTOR, Whistler 9-1000 Quadradyne, 4 mos old (list price \$250) \$140. Bruce, MR231-4786.

AQUARIUM, 30gal w/hood, stand, all access, \$140. Mike, MR231-7156.

CELLO, 3/4 sz, bow, case, gd tone/cond, \$650. Nic, ML223-9223.

SNOW TIRES 175 SR14 rads, gd cond, \$30/pr. Roy, QI 280-7579.

UPRIGHT PIANO, antique, gd cond, nds tuning, \$500 firm. Eva, HL 225-5324.

SNOW TIRES, pair A78-13 Firestone, like new, w/CM 4-bolt rims, \$50 or B/O. Ollie, MR 231-4044.

HAM RADIO STATION, Hall SX-28 rcvr, XMIT, ant, coax mikes, much more, \$300 or B/O. David, QI280-7538.

WOOD STOVE, used once, too large for our hearth, not air tight, \$125 firm. Carol, TW 247-2611.

OFFICE DESK, brown metal w/60"x30" wood grained top, incl typewriter sect, \$50. Mary, WJ257-1219.

SNOW TIRES, pair Firestone BR78-13 w/rims, white walls, B/O. Steve, PK 223-4726.

WOODSTOVES, Defiant, rear exit, \$550. CAMLEY/LEMAV 600, similar to Jotul 118, \$550. Betsy, PK223-5602.

BAY ITEMS-high chair \$20, carrier \$5, car seat \$5, walker \$10. Omur, WZ 238-3372.

CAMERA, 35MM SLR Mamiya-Sekor 500 DTL, used w/55MM 1.4, 28MMWA, \$110. Chris, ML 223-7434.

DINETTE (maple, chrome) w/caned chairs, \$200. BACH CHEST, HDBD \$175. ANTIQUE CAB \$75. Mona, ML223-2685.

TRS 80 MOD I MICROCOMPUTER, as new, w/extra game tapes, EDU pkg, \$350. Bryan, ML 223-9620.

COLOR TV 25" \$50. GOLF CLUBS, men's full set, right handed, Wilson, bag, \$100. Don, MR 231-6454.

INTELEVISION, brand new, incl 2 cart, poker/foot-ball, \$200 or B/O. Phyllis, HL 225-4640.

MATERNITY CLOTHES, fall/winter, sz 12, 17 tops, pants, 1 jumper, exc cond, \$150. Doug, PK 223-2720.

LADIES SAMSONITE SUITCASE/train case \$25. MAN'S SAMSONITE 7"x24"x17" \$12. Phyllis, PK 223-3077.

KITCHEN SET, wht round table, 4 cape style chairs, yellow/wht seats, \$150. Shirley, ML 223-4884.

PIANO ACCORDIAN, Hohner Arietta IV, Schwabe MK, brand new from Germany, \$1600. Li, BX224-2227.

LIVING RM SET, traditional lg sofa, chair, end table, gd cond, \$80. Bruce, ML 223-6209.

ELECTRIC PIANO, Univox w/3 tone selects, incl std, case, sustain pedal/cord, \$195. Mike, TW247-2193.

SNOW TIRES, Firestone Town & Country, w/w radials, FR78-15 (P205/75R15) new, \$75/pr. Bob, MD255-2305.

IBM SELECTRIC TYPEWRITER, 11"W paper, \$275 or B/O. John, AC 232-2269.

ASR 33 TELETYPE, exc cond, \$220. Tom, MR 231-6615.

SNOW TIRES (2) on rims, D78-14, used approx 500 mi. Bill, MR 231-7037.

Type or clearly print your ad and send to Marketplace, PK3-1/K23. Ads are published on a first-come, first-served basis for Digital employees. The full name and all seven digits of the employee's DTN number must be submitted with the ad.

Category _____

Item _____

Description (include price) _____

DTN telephone number _____

Location _____

Full name _____

Software technical writers graduate

Middlesex Community College announced the graduation of a select group of ex-teachers who have been trained in an intensive software technical writing program.

The curriculum was designed by software writing managers and trainers from the Massachusetts High Technology Council, represented by local computer companies including Digital.

Funding for the program to train teachers as software technical writers was provided by the Massachusetts Division of Occupational Education. Taught by computer industry experts, the course included intensive hands-on training on a PDP-11. The curriculum concentrated heavily on writing, assembly language, COBOL, FORTRAN, Operating systems, file production and interpersonal skills. The course is estimated to be equivalent to at least three college semesters of work.

For further information concerning graduates available for employment from this program, contact Sue Thorstensen at Middlesex Community College, Bedford, 617-275-8910.

COMPUTER CORNER

Find out how to cut down on commuter costs by contacting the Commuter Transportation Department, DTN 251-1525.

Call the following DTN numbers to join these routes.

VANPOOLS

To Maynard

from **Fitchburg, Leominster**, DCV 43, Tony Membrino, 223-8164.
from **Tyngsboro, Chelmsford, Lowell, Westford**, via Rte. 27, DCV 14, Charles Wellington, 223-3570.
from **Sterling area**, DCV 86, Mike Brown, 223-2728.

VANPOOL start-up

To Northboro

from **Fitchburg, Leominster**, 8:15-5, Steve Marini, 234-4961.

CARPOOLS

To Maynard

from **Hopkinton, Westboro, Southboro, Marlboro**, Gloria Barr, 223-9038.
from **Shirley**, 7:30-4 or 7-3:30, Mary White, 223-5980.
from **Litchfield/Hudson N.H.**, John Dabrowski, 223-4872.

To Hudson, Mass.

from **Worcester**, Lisa Kleman, 225-4091.



NEWS BRIEFS

Deadlines for DTW

The next four issues of "Digital This Week" and deadlines for submitting stories are:

Dec. 7 issue - Nov. 26 deadline
Dec. 21 issue - Dec. 10 deadline
Jan. 11 issue - Dec. 31 deadline
Jan. 25 issue - Jan. 14 deadline

Got your codes crossed?

The following codes are being confused by many internal mailers:

SV - Volume Manufacturing, Salem, N.H.
with

SU - Sales group, Stuttgart, West Germany

ZX - Field Information Systems, Lexington, Mass. with

LX - Field Service, Santa Monica, Calif.

PH - Branch and District Office, Blue Bell, Penn. with

BB - Branch Office, Brisbane, Australia.

Please be sure you are using the correct location code on your mail. All location codes are listed on page 210 in the Digital Telephone Directory, Nov. 1981 issue.

On the move

The Terminals Product Group (except TPG Engineering, Product Assurance and Support and Customer Services) has moved from MR2 into the new Digital facility located at 2 Mt. Royal Ave., Marlboro.

The location code is UP1; the Digital Telephone Network code is 278. From a non-DTN location, dial 480 plus the four digit extension. The directory number for the site is 480-4111.

TPG Engineering, Product Assurance and Support and Customer Services will remain at MR2 until the last week of December.

Christmas Eve starts at 2 p.m.

The company will close all offices in the area at 2 p.m. on December 24. This will enable employees to get a head start on travel and preparations for Christmas Day.

W-2 distribution set for January

The Corporate Payroll Department will distribute 1981 W-2's the last week of January, 1982. Although W-2 distribution is scheduled later this year than in the past, the schedule is in compliance with the Federal Regulation that W-2's be distributed by January 31st.

The extra processing time will allow more appropriate cutoff dates for feeder information such as relocation data and stock purchase data. In addition, to provide clearer printing, the 1981 W-2's will

Arts and crafts meeting in Hudson

All employees are invited to the second Digital Arts and Crafts Club meeting in Hudson (HL). The club will meet on Dec. 2 at 5:30 in the Hall of the White Mist conference room.

On the move

Field Service Manufacturing-East has a new plant in Wilmington, Mass. The address is 234 Ballardvale St., and the mail code is ZW.

The telephones are equipped for Direct Inward Dialing with the prefix 938. Outside callers can reach Wilmington by dialing 617-938 plus the four digit extension. If the extension is not known, outside callers should dial the main number 617-657-6161. The DTN (Digital Telephone Network) code is 284.

S.S.A. posts 1982 tax rates

The Social Security Administration has announced that the 1982 FICA taxable wage base will be \$32,400. The tax rate will be 6.70 percent for a maximum FICA tax of \$2,170.80.

Wanted: abacus user

The Instructional Media Design and Development Group in Bedford is looking for an abacus user for a small role in a video tape production.

If you are an experienced and rapid abacus user and would like more information on the project, please call Neil Perlin at 249-4789 or Joanne Wyer at 249-4074.

Vietnam Vets meet

Vietnam era Veterans at Digital will hold their December meeting at the Conference Room located at ML4-2. The meeting will be at 5:30 on Dec. 3. All are welcome to attend.

not be in the mailer format and will require extra time for the distribution process.

An address and social security verification memo was distributed to all active employees on October 29, 1981. If corrections are needed to these forms, please return the corrected form to Personnel as soon as possible. Your social security number and mailing address must be correct in order to insure that you receive an accurate and timely W-2.

Company holidays for 1982

January 1, New Years Day, starts off the calendar year with the first paid holiday for Digital facilities in the United States. Each year employees are given ten paid holidays. Six are days usually observed in the United States as national holidays, such as New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas. In addition, Digital always gives employees the day after Thanksgiving off to make a nice long weekend.

The remaining three days are an assignable holiday, a personal holiday and a location choice holiday.

An assignable holiday is one day, a Monday or a Friday, chosen each year to make a long weekend when a major holiday lands on a

Tuesday, Thursday or on the weekend. Dec. 31 is the assignable holiday for 1982.

A personal holiday is selected by each employee after he or she has worked at least 90 continuous days at Digital. Personal holidays must be taken by the end of the calendar year. Unused personal holidays cannot be accumulated.

A location holiday is chosen and announced by each facility as the most popular regional holiday. For Massachusetts facilities, with the exception of Boston and Springfield, the location choice is Patriots Day, April 19. Boston and Springfield have selected Martin Luther King Day, Jan. 15, as their location choice.

January 1982

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24	25	26	27	28	29	30
31						

February 1982

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28						

March 1982

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April 1982

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May 1982

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June 1982

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July 1982

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25	26	27	28	29	30	31

August 1982

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September 1982

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October 1982

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November 1982

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December 1982

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