

digital

MAYNARD

DIGITAL THIS WEEK

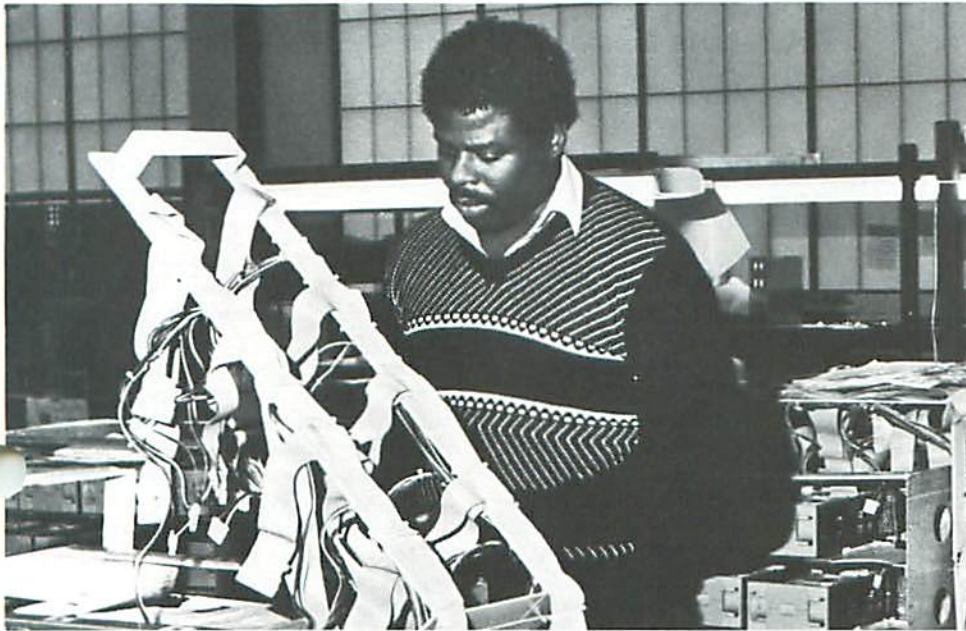


Volume 10

Number 7

April 11, 1983

From weapons to computers, a tradition of quality manufacturing continues at Springfield Armory



John Davis, technician, sets up RX50 drives for Springfield's burn-in process to mature the devices.

For almost two centuries, the Springfield Armory was the technical and scientific center for American military weapons ranging from pistols, rifles and machine guns to aircraft armament.

Although closed in 1968, the Armory made great strides in applying mass production techniques of its day. Digital acquired this Historic Landmark in 1977 from the City of Springfield and Milton Bradley as a manufacturing plant to provide opportunities for inner city residents. Now a storage systems manufacturing facility, the Springfield Armory is a modern high-technology manufacturing plant with many of the same manufacturing goals as the original Armory.

The plant, opened ten years ago, has evolved into a key manufacturing facility which supports sales in excess of \$300 million annually and employs more than 900 people.

The Armory Square Complex is situated

Continued on page 7.

College students match wits with personal computers

Students at Case Western Reserve University in Cleveland, Ohio, will soon be submitting homework to professors electronically, using Professional 350 personal computers from Digital.

Case Institute of Technology, CWRU's science and engineering school, has entered a joint research agreement with Digital to purchase 75 Professional 350 personal computers. In addition to being used as a model for computer education research, the computers will help streamline information flow between professors and students.

Equipment specified in the agreement is valued at \$650,000. The agreement demonstrates Digital's and CWRU's commitment to advance computer science education and to help students understand the benefits of personal computers.

Case is placing 50 Digital personal computers, which students may schedule on a timesharing basis, in a laboratory on campus. In addition, personal computers will be set up in a student resident area and in each of Case's science and engineering

departments. The laboratory personal computers will be connected to a VAX-11/730, which will store information students submit to professors.

Students will not be required to purchase the personal computers; however they will have the opportunity to lease the computers with the option to buy them after four years. In addition, since many of CWRU's residence halls have six-person suites, this provides the opportunity for a group of students to jointly lease a Digital personal computer.

Case faculty members will use the computers to generate coursework and homework problems. They will be able to grade homework assignments from the departmental computer and send their comments back to students via computer in order to make the computer laboratory as paperless as possible. Faculty members will use the department's disks for storage and students will use floppy disks for storage.

About 800 to 1,000 students will use the computer laboratory when it gets underway in the fall. Most of these students will

be freshmen and sophomores.

As another part of the Case-Digital agreement, faculty members in Case's computer engineering and science department will implement a programming language for personal computers. They will study the educational effects of the computer laboratory, comparing it with other methods of computer education, and will evaluate the usefulness of personal computer clusters in the student resident area.

Case will also assess the effectiveness of teachers and instructors using personal computers in the classroom.

With the aid of a grant from Digital, Case will purchase a VAX-11/782 dual-processor superminicomputer and 10 graphics processors, which will be used for graduate research and training in machine intelligence. With the addition of this system, the university will have a full spectrum of computers from its network of 50 personal computers to its three mainframe DECSYSTEM-20 central computer system.

COMPUTER CORNER

Find out how to cut down on computer costs by contacting the Computer Transportation Department, DTN 223-7029

Call the following DTN numbers to join these routes.

VANPOOLS

To Maynard

From Eggleston Square via Route 9, Tony Santos DCV #81, 223-4725

From Leominster, Fitchburg to the Mill, Dave Farineau DCV #113, 223-9200

From Fitchburg, Leominster to Mill and Powdermill Road, Tony Membrino DCV #43, 223-9025

From Plymouth, Marshfield, Hanover, Weymouth, Braintree, Jack Carter DCV #45, 223-3679

To Maynard/Littleton

From Amherst, NH, Doug Ryder DCV #67, 229-6243

To Maynard/Nagog

From E. Pepperell, Groton, Littleton, Harry Aikens DCV #16, 223-9435

From Townsend, Groton, Mike Fortunato DCV #17, 223-4592 or 223-4814

To Maynard/Stow

From Nashua, NH to Mill, Parker Street, Stow, Bob Cormier DCV #84, 276-9843

From Hudson, Nashua, NH, Bob Hoglund DCV #75, 223-5513

From Andover, Tewksbury, Lowell, Ross Morgan DCV #66, 223-2031

From Brookline, Brighton, Newton, Terri Dedman DCV #98, 276-9728

To Maynard/West Concord

From Lowell, Chelmsford, Westford via 110 and 2A, John Coppinger DCV #48, 223-8363

Employee Stock Purchase Plan reminder

Enrollment begins for June payment period

The next payment period for the Employee Stock Purchase Plan begins June 1, 1983. Notification has been mailed to all eligible new hires through the internal mail system. All other eligible non-participating employees can receive a prospectus from their Personnel Services Administrator (PSA). All enrollment cards for the June payment period must be at Investor Services no later than May 22, in order to be eligible to join.

How the Plan works

The purpose of the Employee Stock Purchase Plan is to assist employees in buying common shares of Digital Equipment

Corporation through a regular deduction each pay day.

A prospectus is mailed to eligible new hires explaining the plan, benefits to be derived from the plan, and general tax considerations.

Should an employee elect to participate in this payroll deduction plan, he or she will be able to buy stock at 85 percent of the average market price of the company's common stock on the plan's first business day or the last business day, whichever is lower.

To enroll, complete the pre-addressed enrollment card provided on the back page of the prospectus. The enrollment card must be received at Investor Services no later than May 22. Payroll deductions will start the first week of June.

Group wins awards in technical publication competition

Educational Services Development and Publishing in Maynard competed in the 1983 Technical Publication Competition sponsored by the Society for Technical Communication. Eleven of the fourteen books entered in the local competition won titles of achievement, merit or excellence.

The DECmate II Documentation Set which contains hardware manuals and media about Digital's personal computers won the achievement award. Receiving merit awards were: *VT101 Video Terminal User Guide*, *VT102 Video Terminal User Guide*, and *VT131 Video Terminal User Guide*, *VT125 Graphics Terminal User Guide* and *DECmate II Owner's Manual*, and *Installing and Using the LA50 Printer*.

Winning the award of excellence were the *Professional 300 Series Pocket Service Guide*, *LQP02 Printer Pocket Service Guide* and *LA50 Pocket Service Guide*. These guides put maintenance information at the fingertips of Field Service technicians. Also awarded the title of excellence

was the *DECmate II Installation Guide* which provides easy-to-use instructions and illustrations for installing the DECmate II.

Four books receiving titles of excellence continued to the international competition. The *Professional 300 Series Pocket Service Guide*, written by Al LaChance, edited by Richard Illsley and illustrated by Robert Curtis, won the award of achievement in the international competition.

The books were judged on writing, editing, graphics, layout and printing. Among the competitors were Computer Design and Cahners Publications, MITRE, Data General, Wang, Management Precisions Systems and NEC.

Learn to detect bowel cancer

The Massachusetts Division of the American Cancer Society will conduct a massive educational campaign on colon and rectum (bowel) cancer culminating with a statewide screening day on May 10.

Colo-rectal cancer, which occurs equally in men and women, is more prevalent than lung cancer and any other type of cancer except non-melanoma skin cancer. Unlike lung cancer, colon-rectum cancer is highly curable when diagnosed and treated early.

Men and women age 40 and over, and persons with a family history of colo-rectal cancer are invited to participate in a screening program for employees in Marlboro, Auburn, Franklin and Westboro.

The screening is done with a simple home testing kit provided free through Health Services during the week of May 8. Please call DTN 231-6444 from 7:30 a.m. to 5 p.m. to make an appointment to pick up a kit.

DIGITAL THIS WEEK



Editor: Barbara Lovely

Send stories, photos, ideas or suggestions to DTW, CF02-3/K23 or call the editor at DTN 251-1307. Ads must be submitted in writing to Marketplace, CF02-3/K23. Please direct all Marketplace inquiries to Jennifer Hawes at DTN 251-1308.

Digital This Week is published every other week by the Corporate Employee Communication department of Digital Equipment Corporation for the Employees in the Greater Maynard area.

Focus on eyes

The Parker Street Cluster has dedicated the month of April to eye health and safety. Information and programs will be offered during the month on: eye safety; first aid for eye emergencies; VDTs, health tips for managers; and the Glaucoma Alert Program.

If you're 35 years old or older, the Glaucoma Alert Program urges you to have an eye exam every other year. It only takes five minutes for a glaucoma check which can be done for no cost by the PK Cluster Health Services. Call PK Health Services, DTN 223-5413 for an appointment or more information on programs.

Digital Press targets low-end market



Digital Press manager Marcia Kenah displays books currently available from Digital Press.

The name "Digital" most often conjures up images of computers, terminals and keyboards but probably not books. But Digital Press, an Educational Services group, is a full-fledged commercial book publisher with the goal of improving people's productivity through books that address the interests of computer designers, managers, and users and meet the academic needs of students and instructors.

"Digital Press operates like any other commercial book publisher," says Marcia Kenah, manager of Digital Press. "We look for books with technical merit that are correct and complete, are marketable and potentially profitable, and fit in with Digital's corporate strategy." They differ from other manuals and work books published in the company in that they are not necessarily related to Digital's products. Many describe computers in generic terms although they support Digital's technical references.

Books are sold through a number of channels including direct mail sales, retail book outlets, college text book agencies as well as Digital's Book Stores and Business Centers. "In essence, we have all the marketing opportunities of any other publisher

in addition to the benefit of being part of Digital," Marcia explains.

Currently, Digital Press focuses on four areas: computers in management and business; computer technology; computer applications; and the history of computing.

Book sales can range anywhere from 1,000 to 15,000 copies per year. Sixty percent of all books published by Digital Press have been written by Digital employees.

"Many Digital employees are recognized as experts in their fields. We treat employee authors the same as external authors. They write on their own time, using their own resources, and are paid the same royalties as external authors," Marcia says. Digital Press will occasionally loan a word processor if the book warrants it. In the future they will also have some personal computers available to loan.

The two top selling Digital Press books were authored by Digital employees. *Technical Aspects of Data Communication, Second Edition* by John McNamara is a practical approach to problems and solutions in configuring communication systems. *Computer Programming and Architecture: The VAX-11* by Henry Levy and Richard Eckhouse offers a comprehensive

systems viewpoint to programming and organization of computers.

During the next two years, Digital Press is planning a "First Time User Series" of 20 to 30 relatively inexpensive paperback books focusing on low-end computers. The point of the series is to provide a modular approach to understanding computer issues. Each book is relatively short (150 to 200 pages), highly readable and covers a discrete aspect of computing. "The idea is when a number of titles are available, a customer can select specific titles to suit his or her needs or interests. Other publishers are putting out volumes on computers but much of it is fluff. We intend to distinguish our series by the usefulness of the information and the degree of integration from one title to the next," Marcia explains.

Your First Business Computer written by Peter Leudtke and Rainer Leudtke is the first title in the series. It was written to make professionals, department managers and small business people aware of the issues involved with choosing the right computer system for their operations.

Other books will focus on personal computers in a corporate environment; management applications; and books about specific professional applications.

An offshoot of Digital Press is DECbooks, also part of Educational Services, which will publish and distribute books specific to Digital products. The market for DECbooks will be people who own Digital systems already and want to learn more about them. DECbooks will also serve as a book club for product-specific books available from publishers and other sources throughout the company and industry.

For more information about Digital Press or a copy of the Digital Press catalog contact Peter Kraus, DTN 249-4444, or write Digital Press, BUO/E44.

Digital represented on "Men and Women at Work" panel

John Sims, Corporate Personnel manager, will be one of four panelists to speak at "Men and Women at Work: Collaboration or Competition?," a one-day symposium exploring the myths and realities of men and women in the workplace. The symposium is being held Saturday, April 30 at the Boston College Campus in Chestnut Hill.

Other panel members include: Robert J. Spiller, president of the Boston Five Cents Savings Bank; Alma Triner, vice president of Public Relations for Arthur D. Little, Inc.; and Bonnie Stedt, vice president of Regional Stores, Filene's.

Call (617) 965-2521 for more information.

OA Announces new WPS-8 curriculum

Basic Word Processing: Learn to create, edit, format, and print a document quickly and efficiently in three full days or five half days.

Basic WPS for Managers/Supervisors: Learn to create, edit, format, and print a document quickly and efficiently in just one day.

Advanced Word Processing: Learn to use abbreviation and library documents, hyphenation, labels, two wheel printing, replacement characters, multicolumn printing, user-defined keys, and prepare charts and forms in one day. (Prerequisite: Basic WPS)

Using Math: Learn to use the DECmate word processing math feature to create and manipulate numerical tables, and to perform various arithmetic calculations. (Prerequisite: Basic WPS and access to a DECmate)

Using Communications: Learn to transfer documents between word processing systems and from a word processor to other computer systems. (Prerequisite: Basic WPS)

Using List Processing: Learn to create list, form, and specification documents for applications such as record keeping and customized letters and labels for bulk mailings. (Prerequisite: Basic WPS)

Using User-Defined Keys: Using the Gold Key, learn to perform a series of word processing functions in one step. (Prerequisite: Basic WPS and Using List Processing)

Office Automation Course Offerings
Registration is open for Office Automation/Educational Services workshops for April and May. **Note: All courses are held at PKO unless otherwise noted.**

Advanced DECword 13 APR; 11, 23 MAY

Advanced Word Processing 13, 26 (MRO), 19, 27 (PKO) APR; 9, 10, 27 (MRO) 2, 5, 9, 11, 25 (PKO) MAY

Basic DECword 16 MAY

Basic DECword for Managers & Supervisors 2, 10 MAY

Basic Word Processing 25-29 (PKO), 27-29 (MRO) APR; 2-6 (MRO), 9-13 (PKO), 16-18 (MRO), 23-27 (PKO), 24-26 (MRO) MAY; 31 MAY-2 JUN (PKO)

Basic WP for Managers/Supervisors 15, 25 (MRO), 20, 28 (PKO) APR; 11 (MRO), 3, 5, 12, 18, 23, 31 (PKO) MAY

DECword for WPS-8 Users 5 MAY

DECword List Processing 15 APR; 13, 25 MAY

EDT 28 APR; 4, 9 27 MAY

EMS I (half day) 15 APR; 3, 6, 9, 17, 23, 31 MAY

EMS II (half day) 15, 19 APR; 13, 24 MAY

EMS I for Managers (half day) 12, 23 MAY

EMS II for Managers (half day) 13 APR; 5, 24

Intro to Computer Concepts 13 (MKO), 26 (MRO), 28 (PKO), APR; 11 (MKO), 25 (MRO), 26 (PKO) MAY

Keyboard Techniques (2 hours daily) 9-13 MAY

RCS (half day) 4, 25 MAY

Using Communications (half day) 19 APR; 13, 17 MAY

Using List Processing 20 (MRO) APR; 6, 17 (PKO), 23 (MRO), MAY

Using Math 26, 29 APR; 2, 26 MAY

Using Sort (half day) 3, 16 MAY

Using User-Defined Keys (half day) 31 (MRO) MAY

WPS to EMS (half day) 29 APR; 4, 18, 27 MAY

WS200 System Manager 14, 19 (MRO), 25 APR; 4, 6, 10, 16, 24 MAY

To register, please fill out a DME/OA Internal Enrollment Request, available through your personnel office, and send it to the OA Registrar, PKO3-1/B11. For further information, call the Registrar at DTN 223-5820.

Seminars from DME

Counseling Skills is a three-day workshop which provides an introduction to the process and skills of counseling people. It is designed to meet the needs of managers and others who want to be prepared to help those who are seeking some assistance in dealing with a problem or concern. It focuses primarily on situations which have been initiated by the person seeking help. The counseling process presented in this workshop emphasizes the role of manager/counselor as facilitator of the problem solving process rather than the problem solver. Participants will work individually, in pairs, in small groups, and in the total group of twelve. Those interested in attending this workshop, which will be held in Merrimack, June 14-16, should call the course registrar at DTN 249-1882 for registration information.

Other upcoming course offerings include:

English as a Second Language	April 25
Managing Across Cultures	April 13-15
Managing Performance	April 20-22, May 3-5
Skills Assessment	May 2, 9, 16, 23

Offerings from Ed Services Seminars

For more information or to register for the following courses, call the Seminar Registrar at DTN 249-4949. You may also register by sending a memo with your name, badge number, cost center and cost center manager's approval to: Seminar Registrar, BUO/E58. Software Services employees should contact their Software Services Registrars.

Introduction to Datatrieve-11

This seminar will teach attendees to use Datatrieve-11 — a powerful data base, query, maintenance package and data base report writer — in just three days. The seminar will cover many important features of Datatrieve-11 and demonstrate its ability to give you:

- faster response to one-time queries
- new applications without the need for large programming staffs
- powerful record selection with subsetting capabilities
- flexible output, including generation of complex reports, complete data lists, lists of single fields, single items from a data set, totals, costs, averages, and minimum and maximum of particular items.

Each section of the seminar combines lectures, labs and exercises which allow you to understand and utilize the various functions of Datatrieve-11.

May 4-6, Bedford, Massachusetts

Networking Troubleshooting Seminar

This seminar presents the latest techniques used for troubleshooting network problems in complex DECnet networks. The seminar introduces major hardware and software tools available for network troubleshooting and demonstrates the use of these tools in several case studies. The seminar leader guides the class through the complete troubleshooting cycle from problem identification to problem solution.

This seminar will enable the attendee to:

- determine when a system problem is a network problem
- isolate the network component(s) responsible for a problem
- systemically approach fixing the problem

It is expected that the attendees will participate in class discussions. Therefore, meeting the prerequisites prior to attending the seminar is essential to obtain the full benefits the seminar is designed to provide.

Prerequisites: Attendees should have technical training and/or experience in network software and/or hardware technical support, network management for DECnet networks, or programming for complex network applications.

May 9-11, Boston, Massachusetts



NEWS BRIEFS

Deadlines for "Digital This Week"

Deadlines for *DTW* have been established to help you plan events and publicity around certain editions of the paper. The deadlines don't pertain to Marketplace which is first come, first served. The next four issues and deadlines for *Digital This Week* are:

April 25 issue - April 14 deadline
 May 16 issue - May 5 deadline
 May 30 issue - May 19 deadline
 June 13 issue - June 2 deadline

Mill sponsors stress and relaxation seminar

The Mill Health Services Department and Employee Assistance Program are sponsoring a two-day, two-part lunch time seminar on stress and relaxation. On the first day, Tuesday, April 26, a film will be shown followed by discussion on identifying stress. The second day, Thursday, April 28, will center on practical techniques for reducing stress. Both seminars are from 11:45 to 12:45 in the Mill Cafeteria Conference Room, ML05.

ISDP schedules Field Opportunity Days

Two Field Opportunity Days are being held in May to provide information on Digital's Internal Sales Development Program (ISDP). The meetings, which last an hour, will be held on Tuesday, May 3 at 9:00 a.m. in the Corporate Auditorium (PK03) and on Friday, May 6 at 9:00 a.m. in the Marlboro Oaks Room (MR03), off the cafeteria.

Tennis anyone?

The Digital Tennis League, which begins another season on May 16, is recruiting new members. The league includes a doubles division and both a men's and women's singles competition. Matches are played at the convenience of the two or four participants at a mutually agreeable court. The season consists of two sessions of approximately six weeks each and a single elimination ladder at the end of the season culminating in the championship matches and awards the first weekend in October.

For a registration form send your name and location to the Digital Tennis League, 205-3/Box B. Registration deadline is May 6. Players who participated last year will automatically receive a registration form.

DCU joins nationwide automated teller network

Digital Credit Union (DCU) is affiliated with the nationwide PLUS System of Automated Teller Machines, according to communications director Donna-Lane Nelson. Credit Union members with checking accounts are currently being invited to apply for the cards.

The cards may be used at DCU Easy Cash ATMs, Bank of Boston MONEC machines or any of the Plus System banks around the country.

All systems are presently up and running, according to spokesmen for the Bank of Boston.

"We're offering the program to give our members greater access to their accounts," Donna-Lane said.

For more information contact any DCU branch.

Sports Car Club meets

The next Sports Car Club meeting will be held on Tuesday, April 19 at 6:00 p.m. in the Mt. Everest Conference Room in Hudson (HL02-3). The club will listen to reports from the Bylaws, Rally and Solo I/II committees to start planning for activities. Since the club is still organizing, help and suggestions are still needed. Employees interested in joining the club or receiving their newsletter should contact Dave Lyons, HL02-3/C09; ENET, ERLANG::DRL, DTN 225-5935.

Learn CPR at the Mill

Anyone interested in attending an American Heart Association/Red Cross approved training course in cardio pulmonary care at the Mill should contact Blue Tabor, DTN 223-2318. The course will be held over three nights for three hours each. The start date will be determined based on response. There is a slight fee for materials. Any other certified instructor who would like to assist should contact Blue.

Hudson holds College Day

A college information fair will be held April 21 from 9:00 a.m. to 12:00 noon in the HL02 Cafeteria. Ten area colleges with electrical engineering and computer science curriculum are scheduled to be there. For more information on College Day, contact Lisa Kleman, DTN 225-4091, HL01-1/S07, WAFER::KLEMAN.

Town of Maynard celebrates Digital Week

The week of April 17 has been designated Digital Week by the Maynard Chamber of Commerce in honor of Digital's 25th anniversary. As part of Digital Week festivities, April 19 has been designated Ken Olsen Day by Maynard. Ken will be presented with a plaque in recognition of his contributions to Maynard at the town's first meeting place (in front of Gruber Brothers Furniture store) at 5:00 p.m. Later in the evening Ken will be honored at a dinner attended by federal, state and local dignitaries.

Computer Museum's Spring Catalog now available

The Computer Museum's Spring Catalog is now available. The catalog and the Museum Store are featuring Pascal and Ada T-shirts, chip jewelry, original Cohen computer drawings, paperbooks and core memory design ties and scarves. Museum memberships are available and members receive a 10 percent discount on all purchases. Museum Store purchases help support the Museum's exhibits and programs.

The Computer Museum at One Iron Way, (MR02 Lobby), Marlboro, is open Sunday through Friday from 1:00 to 6:00 p.m. Please call DTN 231-7331 or 231-7658 for a free catalog.

DTN expands into Central Region

The Digital Telephone Network (DTN) will expand its coverage into the Central Region on April 11. Twelve additional sites will be added to the network through a major switching code located in Rolling Meadows, Illinois. The DTN code to Rolling Meadows (421) will remain the same. Because the Digital Telephone Directory will not be updated until July, individual extension numbers may be obtained by dialing DTN Directory Assistance, DTN 222-1212.

The new DTN codes are:

423 Arlington Heights, Illinois
 442 Minneapolis, Minnesota
 443 Indianapolis, Indiana
 444 Novi, Michigan
 445 St. Louis, Michigan
 446 Milwaukee, Wisconsin
 447 Chicago Loop, Illinois
 448 Davenport, Iowa (Bettendorf)
 449 Peoria, Illinois
 452 Kansas City, Missouri
 453 Schaumburg, Illinois
 454 Kalamazoo, Michigan



LOST & FOUND

LOST: PRESCRIPTION READING GLASSES, on March 30, between PK1-PK3, black/grey, no case, Bert, 223-7882

CARS

JEEP WAGONEER, good cond, no body rot, \$5000 or B/O, Henry, 223-2610

'78 MAZDA GLC DELUX, 4 spd, 51K mi, exc cond, rear wind defog, 35 mpg, \$2395 firm, Alayne, 283-7654

'70 FORD MAVERICK, 2 dr, 6 cyl, AM/FM radio, runs, B/O as is, Elaine, 231-2256

'80 DATSUN 310GX, 4 dr, hatch, 4 spd, AM/FM stereo, exc cond, new tires, \$4350, Rita, 231-6589

'79 BUICK REGAL, auto, V6, AM/FM, AC, Florida car, mint cond, \$4800, Peter, 223-2941

'80 CHEVETTE, one owner, 42K mi, 4 dr, 4 spd, blue hatchback, \$3500, Tony, 223-4137

'77 DODGE ASPEN, 6 cyl, auto, PS, PB, AM/FM tape, exc cond, \$3100, Fran, 235-3512

'81 SUBARU GL, 4 dr sedan, 5 spd, AC, AM/FM, sunrf, luggage rack, rst prf, exc cond, Shirley, 276-9117

'82 PONTIAC J2000, 15K mi, AM/FM cass, 4 spd, frt whl drv, exc cond, \$7000, Sharon, 288-6153

'76 FIAT 128, gd body, 4 spd, gd tires, running cond, \$475 or B/O, Paul, 221-5522

'79 PONTIAC CATALINA, 4 dr, 6 cyl, AC, PS, PB, rear defrost, 60K mi, exc cond, \$3995, Flo, 225-4263

'81 CHEVY CHEVETTE, 2 dr, 10 mi, AM radio, 4 spd, blue, exc cond, \$5000 or B/O, Maria, 241-4033

'78 DATSUN WAGON 210, stereo, AC, 21 mpg, reg gas, 4 spd, 2.4L engine, \$3000 firm, Paul, 288-6583

'78 MAZDA, 5 spd, AM/FM, rear defog, yellow, gd cond, \$1300, Karen, 293-2227

'74 PLYMOUTH VALIANT, 2 new radials, new exhaust, great parts car, not running, \$300, Neal, 223-4395

'81 BMW 320I, AC, AM/FM stereo/cass, fog lights, alloy wheels, rust prf, \$11,900, Gerry, 247-2303

'74 PLYMOUTH DUSTER, needs work, new snows & front tires, runs OK, \$400 or B/O, Patty, 234-4893

FURNITURE

LIVING ROOM SET, modern couch, loveseat, chair, \$450 or B/O, Ken, 234-5127

COFFEE & END TABLE, 1 ea, walnut finish, \$90, Michelle, 231-6406

SWIVEL ROCKER, brown/gold, \$30, armchair, green, \$30, both solidly built, Art, 223-2619

DRESSER, triple w/mirror, solid, contemporary, 9 drws, vry gd cond, \$250, Carole, 288-6176

BEDROOM SET, bookcase twn bd, desk, dresser, mirror, blond, gd for preteen, \$150, Ed, 225-5500

MARKETPLACE CF02-3/K23

Type or print clearly. Ads are published on a first-come, first-served basis. The full name and 7-digit DTN number is required. Home phone numbers will not be printed.

CATEGORY _____

ITEM _____

DESCRIPTION _____

PRICE _____

DTN _____ LOCATION-M/S _____

NAME _____ first _____ last (only 1st names are printed)

MISCELLANEOUS

CB RADIO, Sears 23 channel w/roof (gutter) mount antenna, \$50, Rusty, 223-7683

35MM FUJICA SLR CAMERA, w/50mm lens, case, strap, zoom lens (90-210mm), \$125, Joseph, 289-1612

TELESCOPE, 6" f/10 refractor w/3" f/15 guide, 2" finder, eyepieces, \$850, Everett, 247-2069

SEWING MACHINE, Sears Kenmore 1782, w/cabinet, 1 1/2 yr warr left, exc cond, \$325, Chip, 225-4991

METAL DETECTOR, Coinmaster 5000/D, all accessories, G.E.B., TR, never used, \$200, Ty, 231-5616

COLOR TV, 19", 10 yrs old, tuner need cleaning, \$75 or B/O, Beth, 269-2279

IBM ELECTRIC TYPEWRITER, \$250 or B/O, Bob, 223-8593

SKI RACK, for Datsun 280ZX, \$35, car cover w/storage bag for Datsun 280ZX, \$40, Jim, 289-1314

TURNTABLE, Panasonic, wood grain, lk new, \$20, Alan, 247-2101

SONY TC651 DECK, 3 motor, 4 head, auto-reverse, \$300, Sony NR335 outboard Dolby unit, \$60, Rich, 231-7127

TIRES, 2 FR78-14 stl bltd radials on GM rims, 2 stl bltd radial snows off rims, \$100, Ken, 223-5011

APPLE II+, 64K, 80 col brd, Rana 40 trk disk drv, w/cont, enhancer, 12" mon, \$1750, Mark, 231-2107

BRAIDED RUG, 10x14, hand woven, machine stitched, \$75, dk pine end table, doghouse, \$35, Mitch, 292-2177

ATARI GAMES, Backgammon, Adventure, \$17 ea, or \$30 for both, Sonia, 234-4284

STAINLESS STEEL UTENSILS, knives, forks, spoons for 8, also serv pieces, unused, \$75, Jack, 223-6900

COMPUTER, TRS-80, Model I, Level II, 16K mem, cass rec w/100 tapes, manuals, etc., \$450, Gary, 231-6629

MOTORCYCLE JACKET, black leather, woman's med or man's sm, gd cond, \$40 or B/O, Cathy, 276-9930

FRANKLIN STOVE, wood fireplace stove insert w/ screen & legs for conv, \$100, Steve, 292-2147

ANTIQUA RING, cultured pearl cluster, 14K gold setting, \$100, Denise, 276-9791

TIRE, 1 Goodyear Powerstreak 78 G78-15 4 ply whitewall, gd cond, \$25, Vince, 225-4689

CAMERAS, 2 Pentax K-1000 35mm, variety of lenses, flashes, accessories, exc cond, \$500, John, 229-6010

MOTORCYCLES

'76 KAWASAKI 900, professionally maintained, mint cond, many extras, \$2000 firm, Steve, 231-5667

'82 VIRAGO 920, shaft drv, adj susp, computerized dash, 4.4K mi, must be seen, Ted, 288-6830

'77 KAWASAKI K2400, blue, 4500 mi, tune up parts inc, exc cond, \$800, Jeanne, 223-2244

REAL ESTATE

MOBILE HOME, Chelmsford, 70'x12', w/8'x20' roll rm, 2 br, 1 bath, \$27.5K, Barbara, 223-8718

LOT, 6.2 acre, Berlin, MA, on Northboro line, wooded, stone walls, \$42K, Linda, 232-5420

WATERTOWN, 2 family house, 5 1/2 & 6, each 2 br, 2 car gar, hwd flrs, \$119.5K, Dave, 276-9859

LAND, Brookfield, 4 or 5 acre lot w/150' front, ready to bld, \$8-8.5K, Mary, 247-2931

SHREWSBURY, 3 br split, garage under, central AC, gas heat, w/w carp, frpl fam rm, \$71.5K, Tom, 223-3148

TIMESHARE CONDO, Loon Mt, slips 8, can be exchanged anywhere in world, 1 wk, Dec-Mar, Barbara, 251-1603

RENTALS

BLOCK ISLAND, R1, 4+bdm house, slips 10, secluded beach, lrg yard, avail 7/30-8/5, Tom, 278-4031

LAKEFRONT COTTAGE, Winnepesaukee, 3 br, sandy beach, boat, sundeck, \$350/wk, Clayton, 288-6555

BUZZARDS BAY, 3 br, walk to ocean, playground, Jun-Sept, \$285/wk, Frank, 279-5587

S. YARMOUTH, Bass River, sleeps 6, nice area, June \$290/wk, Jul & Aug, \$375/wk, Roger, 274-6630

VACATION HOME, 3 br, frplc, porch, deck, outside shower, walk to beach, \$380/wk, Ed, 279-5804

POCASSET, Cape Cod, 1695 farmhouse, 7 br, 3 frplc, 3 acres, mo/seas rates, Frank, 223-9878

CONDO, BREWSTER, 2 br townhse, slips 6, golf, tennis, pool, sauna, Apr 15-22, \$400, Carolyn, 236-2566

OCEAN COTTAGE, Perkins Cove, Ogunquit, ME, slips 5, Jul-Aug, \$400/wk, Jun & Sep, \$200/wk, Judy, 251-16

CAPE COD, Sandwich, slips 6, close to canal, beach, \$325/wk, off-seas rate also avail, Judy, 278-4323

LAKEFRONT HOUSE, 3 br, garage, \$650/mo + util, Richard, after 6, 485-8027

BEACHFRONT COTTAGE, Marshfield, 3 br, Jul-Aug, \$500/wk, off seas, \$300/wk, Karen, 234-4412

CAPE COD, HARWICHPORT, 3 br, slips 6, fireplace, close to water, \$475/wk, off-seas rate avail, Ken, 225-6363

ROOMMATES

HOUSEMATE, Framingham, non-smoker, 3bdm, frplc, lrg yard, porch, \$250 includes all, Howard, 223-1293

HOUSEMATE, M, non-smoker, 2bdm house in Acton, \$225 + 1/2 utils, Dave, 229-6177

ROOMMATE, M/F, non-smoker, twnhse on Ashland/Fram line, \$250+1/2utils, June 1, Joe, 229-6091

ROOMMATE, F, 2bdm condo, Rt20, Marlboro, \$175 + 1/2 utils, Sue, 225-5946

WANTED

DINGHY, hardside fiberglass or inflatable, 7-10', Michael, 231-4105

PROFESSIONAL B FLAT CLARINET, Selmer brand or equiv, in gd cond, reasonable, Sue, 276-9051

DOUBLE BABY STROLLER, in gd cond, reasonable, Susan, 225-4510

PARTS FOR '57 CHEVY, fair price, Timothy, 277-7211

SWING SET, pressure treated wood w/jungle gym, will pick up, Bruce, 223-4972

REUPHOLSTERER, looking for quality job on love seat w/4 pillows, Peg, 231-5158

BOY'S BIKE, 13", 2 wheeler, Diane, 288-6059

FISHING NET, 6 pcs, each 4'x7', cond unimportant, Bob, 381-2839

SINGLE BONNA 1800 SKI, 205cm, to replace one with broken tip, Andy, 223-9005

Springfield ... *Continued from page 1.*

on 14 acres with eight buildings consisting of some 450,000 square feet. Since its acquisition, Digital has made significant investments in restoring the existing buildings. From an architectural point of view, the Springfield Plant successfully incorporates a sophisticated materials handling system and modern assembly lines into century old buildings while preserving the flavor of the structures.

The facility started out producing less complex computer components such as power supplies, cables and printed circuit boards. The products now manufactured have grown through tape and floppy disk products to selected state-of-the-art hard disk and miniature tape storage devices to support the company's entry into the small systems market.

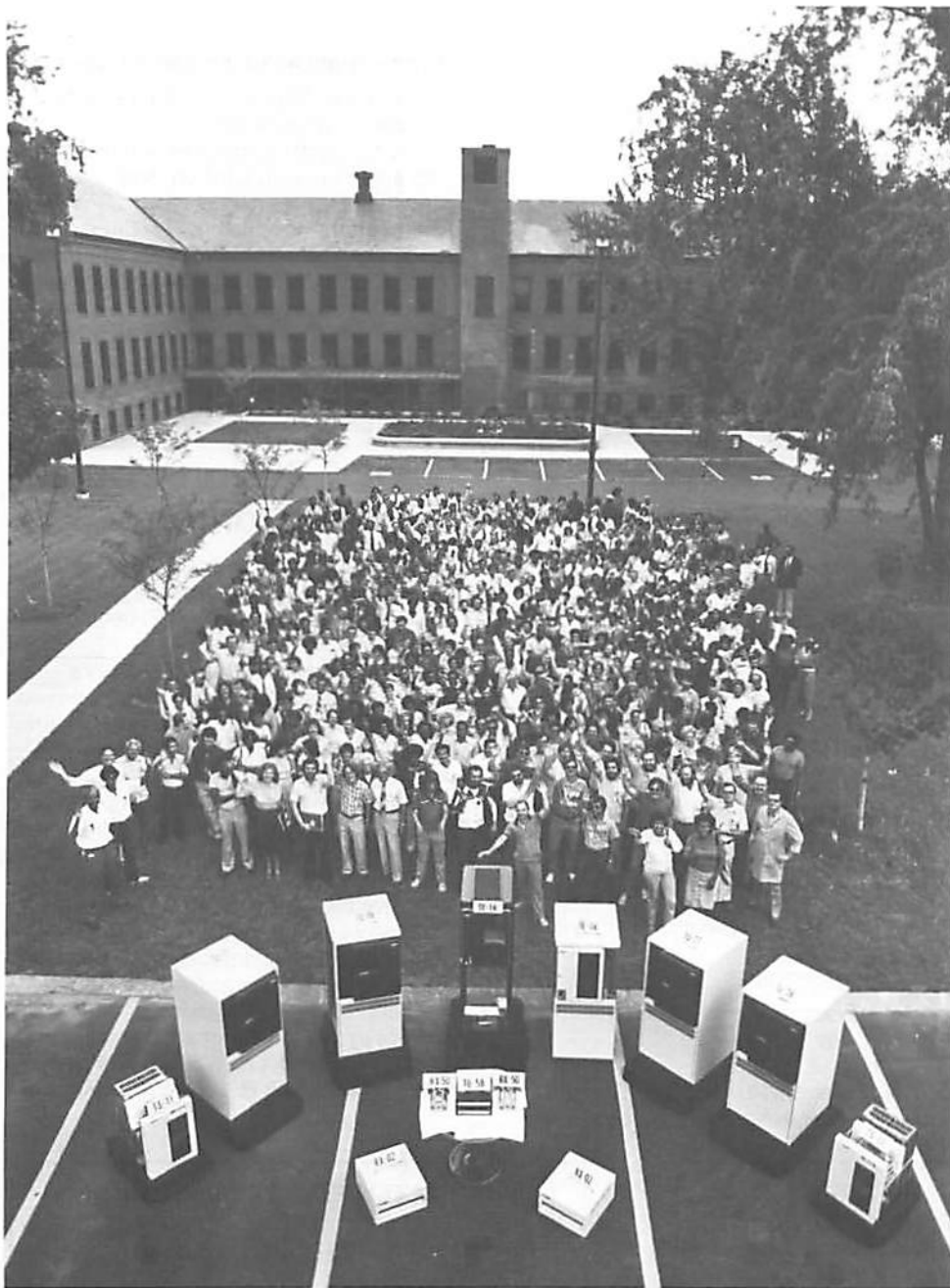
"The operations in Springfield have not changed much from when we produced eight-inch floppy drives (RX01 and RX02). But just working with smaller components and higher volumes changes the way you think about the manufacturing process," says Ron Payne, Springfield Plant manager.

Springfield has many resources to turn to such as area universities. Ron said, "We have worked with the University of Massachusetts to design models that will allow us to prove a production line before we set it or invest in capital equipment. With 'Line Balancing,' you try to ensure that the work flows smoothly and in rhythm — so by the time an assembly is finished at a work station it can roll onto the next. With our new model we can consider anything that could happen on that line and can build in flexibility."

Springfield has its own solutions to material control. SPICES (Springfield Process Information Collection and Evaluation Systems) is an information system in use on the RX50 line. Practically every assembler has a terminal to log in finished work. Springfield can now track a product from its raw material stage all the way through the line — know where the product is, where the bottlenecks are and what the work-in-process inventory is at any point in time.

Ron reports, "By the end of the year, we expect that 98 percent of the product that comes off the line will work every time. Next year that should go to 99 percent; and for the following year, our quality goal is somewhere between 99.5 and 99.9 the first time the units are tested."

To maximize our return on our investment and insure that we have a competitive floppy disk, we will continue looking ways to attain high reliability and lower cost," Ron added.



Springfield Plant employees stand in front of the historic Springfield Armory. Displayed on the lawn are an array of storage devices manufactured by the Plant.

Technical seminar

MARLBORO TECHNICAL SEMINAR SERIES

April 1983

April 21

DEC 10-20 CR - MR01
3:00-4:30 pm

April 28

DEC 10-20 CR - MR01
3:00-4:30 pm

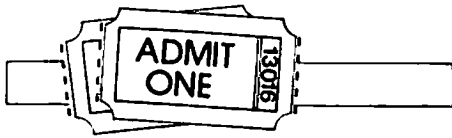
Digital and the Microelectronics and Computer Technology Corporation

Tom Gannon - Digital - Hudson

Quality/Challenge for Systems and Communications

Bill (B.J.) Johnson - Digital vice president, Systems and Communication Engineering

For additions or deletions contact Susannah Nathan at DTN 231-6301 or Gereda Pruitt at DTN 231-6769.



TICKET SALES

March of Dimes Teamwalk

Teamwalk is the most vital component of WalkAmerica, where a group of adults representing various corporations, clubs and civic groups walk to help raise funds to help fight against birth defects. WalkAmerica is one way the March of Dimes generates enough support to continue research into birth defects prevention.

If you're interested in walking for the March of Dimes contact Corporate Employee Activities, DTN 251-1313, for sponsor sheets.

When: Sunday, April 24
Where: Boston, City Hall Plaza
Government Center
or Framingham, Zayre, Old Connecticut Path (across from the YMCA)

Woods Hole, Martha's Vineyard and Nantucket Steamship Authority

Employees and their families can ride the ferry to Martha's Vineyard and Nantucket Island at discount prices from April 15 to October 15 by presenting the attached coupon at the Steamship Authority.

Where: Woods Hole to Martha's Vineyard
Cost: Adults: \$6.00
Children (5 to 13): \$3.00

Where: Woods Hole or Hyannis to Nantucket Island
Cost: Adults: \$12.80
Children: (5 to 13): \$6.40
Children under five are not charged.

Digital Night at the Shriner's Circus

The Sunday, May 1 performance of the Shriner's Circus in Wilmington is exclusively for Digital employees and their families and friends. In addition, employees and their families will be asked to join the grand entrance opening. The Circus begins at 7:00 p.m. Tickets which normally cost \$5.00 will be sold to employees at \$3.00 for adults and \$2.50 for children 12 and under. (The price for children was reduced to \$2.50). Pick up order forms at your local Employee Activities Office.

CMOS Design Course held at Marlboro

The LSI Logic Design course for CMOS gate arrays will be held monthly at the LSI A&T facility, Marlboro (LM02) beginning in May.

Logic Design Systems (LDS) is a three-day lecture and lab course centered on gate array design (Toshiba CMOS array family) utilizing the LDS-1 CAD system from LSI Logic.

Students will generate a network listing via TEXSIM (Tegas Extended Simulator) which uses several proprietary programs such as VERIFY, to confirm the design and give tentative propagation delays (including wire delays). It also performs a logic simulation and generates test vectors for fault analysis. Packaging and testing procedures are also discussed.

For registration information and class schedules contact Hida Searles, DTN 279-5481, LM02/E02, FELIX::SEARLES.

TSS Technical Seminar

Hall of the White Mists
Hudson, Massachusetts

TENTATIVE SCHEDULE

April 13 - 10 a.m.

Sanjay Mittal - Xerox PARC
Expert Systems for VLSI Design

April 13 - 2 p.m.

Robert Hisrich - Boston College
Early orientation of Marketing in the Research and Development Process

April 14 - 10 a.m.

Arnie Reisman - MCNC
The Effects of Pressure, Temperature and Time on the Annealing of Ionizing Radiation Induced Insulator Damage in N-Channel IGFET's

POSTPONED UNTIL MAY 26:

April 15 - 10 a.m.

Tom Gannon - Digital
Digital and the Microelectronics & Computer Technology Corporation

April 15 - 3 p.m.

Constantin Timoc - Jet Propulsion Lab.
Testability of Custom VLSI Chips

April 21 - 10 a.m.

Charles Sodini - MIT
The Effect of Thin Gate Dielectrics on Scaling MOS Devices

April 21 - 3 p.m.

Luis Pereira - U. Lisbon
Knowledge-Based Systems in PROLOG

April 22 - 10 a.m.

N. Sakakibara - MIT Sloan School
A Case Study of the Japanese Semiconductor Project

April 25 - 10 a.m.

Don Lewine - Digital
Microvax

April 27 - 2 p.m. (2 Hours)

Lee Sapiro, Ron Maxwell - Digital
Automatic Conversion & Synthesis of IC's: Experience & Results

April 28 - 10 a.m.

A. Shamir - Weizmann Institute
Recent Trends in Cryptography

April 29 - 10 a.m.

Bill Fletcher - Design Analysis Assoc. Inc.
Design & Management Methods Used for the Development of the RD/RX (Winch./floppy) Controller

For updated information and mailstop changes call Judy Hunt DTN 225-4071.



DIGITAL EQUIPMENT CORPORATION 1983 STEAMSHIP AUTHORITY

Employee Name: _____

No. Adults _____ No. Children _____

WOODS HOLE TO MARTHA'S VINEYARD _____

WOODS HOLE TO NANTUCKET _____

HYANNIS TO NANTUCKET _____
(South Street Dock)

DATE: _____

DISCOUNT VALID FROM APRIL 15th to OCTOBER 14th, 1983

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TICKETS TO RECEIVE DISCOUNT.
BADGES WILL NOT BE ACCEPTED**



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