

digital

MAYNARD

# DIGITAL THIS WEEK



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## Digital aids MIT with "revolutionary" computer education program

Digital has agreed to collaborate with Massachusetts Institute of Technology (MIT) on a five-year project to integrate the next generation of computers and interactive graphics into undergraduate engineering education. IBM is also working with MIT independently to introduce computers into the non-engineering departments.

Digital's contribution, the largest in corporate history, totals more than \$30 million in equipment, software, service, maintenance, support, research grants and on-campus personnel over the five-year period. In addition, MIT has begun a campaign to raise \$20 million in grants from other organizations and individuals to provide funds to sustain the project.

The program, called Project Athena, is based on the premise that computers with advanced computational and graphics capabilities represent a revolutionary new medium for learning.

Senior engineer Ed Balkovich, who will represent Digital at MIT as associate director of Project Athena explained, "The project

*Continued on page 2*



*Sam Fuller, manager, Corporate Research and Architecture (right, sitting) demonstrates a VAXstation 100 which will be part of Digital's donation to MIT. Gerald Wilson, Dean of the MIT School of Engineering, (l. to r.); Joel Moses, Head of MIT Electrical Engineering and Computer Science; and Ed Balkovich, senior engineer, who'll represent Digital in the project, look on.*

## Advanced chip facility completed in Hudson



*Cutting the ribbon to open FAB III, Hudson's newest advanced technology facility, are: (left to right) Jeff Kalb, LSI Group manager, Gordon Bell, vice president, Engineering, and Jack Smith, vice president, Manufacturing.*

The newest facility for the production of advanced semiconductor chips, FAB III, in Hudson was officially completed this month. The advanced manufacturing process building is an addition to the existing semiconductor facility (HLO1).

At a ribbon cutting ceremony held for company and town officials, Jeff Kalb, LSI Group manager, explained that the building is designed for production of very complex and competitive silicon wafers. "We visited many companies and tried to incorporate the best ideas of the industry into the design of a building that is flexible yet capable of supporting stringent cleanliness and vibration control criteria."

To achieve this, the building is essentially two structures in one shell built on a large extremely stiff foundation. A rubber gasket separates the mechanical structure from the clean room area to avoid transmitting vibrations to the critical area.

"This building is designed for multiple generations of advanced semi-conductor

*Continued on page 9*

## Internal DECUS updates Digital's largest customer base



More than 2,400 employees turned out to see Internal DECUS's demonstration area which showcased products.

More than 2,400 employees, representing Digital's largest customer base attended Internal DECUS's Spring Symposium at the Sheraton Boxboro Conference Center on June 15 and 16. Featured at the symposium were over 50 sessions designed to inform internal users about the latest products, technologies, methodologies and training opportunities.

Speaking to over 700 employees, keynote speaker Bob Hughes, group manager for Business and Office Systems Marketing, lauded internal customers for their creative and innovative use of company products. He urged them to use their expertise to help close sales for Digital by showcasing their internal successes to our customers.

One of the major symposium highlights was the exhibit hall and model learning center. The exhibit hall featured the latest corporate products and tools, including IVIS, the VAXstation 100, PDP-11s, Rainbows and the Professional 300 series.

Two days before the Internal DECUS symposium, some 300 sales people and 400 Digital customers attended a sales meeting and customer show sponsored by the Northeast Regional Sales organization.

Speaking to the sales force, Bob Hughes urged the group to become experts in using Digital products, explaining that "when you become expert with our own products it will be even easier for you to close sales." He also discussed plans for implementing professional office workstations out in the field.

Addressing Digital customers, Al Crawford, corporate manager for Digital Information Systems (DIS), shared DIS's strategies and successes in applying the company's products. As head of the data processing and information resource management function for Digital, Al encouraged customers to learn from Digital's experiences in adopting advanced technology in the office. A panel of DIS information management experts and strategic planners (Pat Mullen, Ken Gordon and Doug Fulrath) were on hand to answer questions and consult with Digital customers.

## DME SEMINARS

Digital Management Education announces its July offerings in the Greater Maynard area. For further course descriptions or information, call the registrar on DTN 249-1881 or 249-1882. All courses are held in Bedford.

- Project Management**, July 11-12, 25-26
- Managing Performance**, July 6-8, 13-15, 27-29
- Key Financial Concepts**, July 5-6
- Communication Skills for Solving Business Problems**, July 11-13, 18-20, 25-27
- Interviewing Skills**, July 18-19, 25-26
- Counseling Skills**, July 6-8, 20-22, 27-29
- Presentation Skills for Impact**, July 14-15, 21-22, 28-29
- Time Management**, July 18
- Secretary/Manager Communication**, July 5, 19

## Athena... *Continued from page 1*

ect will create an extensive, coherent network of computers that will enable individuals to share each other's information and programs, and to work together on problems and ideas in creative ways.

"The program emphasizes Digital's commitment to higher education and provides a test bed for ideas. We view it as a living laboratory where we can evaluate such things as communication on a network, network traffic, the quality of graphics on a workstation." In addition to Ed, four other engineers will be on the MIT campus to develop and evaluate the system.

Sam Fuller, manager, Corporate Research and Architecture believes Athena will effect the long-term direction of computing. "This is the most ambitious research project Digital has ever undertaken," he said. "We believe it will provide us with insight into how the engineer of the future will work. It's a breeding ground for new engineering opportunities which can be tested in a research environment."

In the School of Engineering, professors are planning to use this new computational and graphics power to develop innovative ways to help students address abstract concepts. In particular, the system could improve the effectiveness of teaching electromagnetic field theory. It could instill an intuitive or physical feel for structural behavior. Computer graphics could be useful to teach fluid mechanics and the intricacies of crystal structure, fields which improve two- and three-dimensional spatial relationships.

"An important point to remember is that this is an experiment," said Dr. Gerald Wilson, Dean of the MIT School of Engineering. "We believe we can help students learn by using personal computers and computer graphics in new ways, but nobody is sure exactly how. Our experience suggests, however, that computers can aid the teaching of difficult concepts, give new life to laboratory experiments, help in developing the skills, knowledge and insights needed for design problems and especially, help to nurture the elusive talents we call intuition."

Project Athena will involve thousands of terminals, including interactive graphics terminals, personal computer stations—many with color graphics—organized into networks around the campus. Supporting these networks will be scores of mainframe computers, storage devices, and printers, all serving the classroom and homework needs of students throughout the MIT campus.

The Digital engineers on campus will participate in the design of the system and be responsible for communicating progress back to Digital colleagues. MIT will also participate in a lecture series to keep employees updated on Athena's development.

### 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.

## Digital participates in Urban League Convention



Gerri Weathers confers with Will Thompson about his message to the Urban League at their annual convention in August.

This August at the National Urban League Conference in New Orleans, one message will be clear—Digital recognizes and is doing something about the need to educate the black community about high technology.

Digital has been involved with the Urban League for the past six years but in the last three years has begun to focus more corporate efforts on the conference.

"In speaking with parents, students and counselors, I confirmed my belief that the black community was unaware of what academic preparation is required to compete for high tech positions," explains Gerri Weathers, Corporate EEO/AA manager. "The Nation Urban League seemed a viable way to start grooming youngsters early to cultivate an interest in the industry."

The Urban League is an inter-racial, non-profit community service organization which attempts to secure equal opportunities in all sectors of society for black Americans and other minorities. Their annual conference serves as a national forum on contemporary issues.

To capture the attention and support of the Urban League in educating minorities, Gerri formed a task force, representing a cross-section of the company, to develop a strategy and plan. Task force members include Gene Backmon, Ralph Gillespie, Bill Picott, Pat Read, Ron Payne, Will Thompson, and Dave Thorpe.

While this group was primarily concerned with corporate support of a community organization, it recognized that support should be considered within the framework of Digital's business objectives. "We saw some areas where Digital could potentially benefit from working with the Urban League would be in exposing participants to Digital's products, letting people know about Digital as a place to work, helping to achieve an integrated work force and demonstrating Digital's commitment to social responsibility," Gerri explained.

At last year's conference, Digital established an education and professional job theme in its booth. In addition, we participated in the job opportunity showcase by designing and implementing an on-line job

information retrieval system which helped match candidates with job opportunities. Gene Backmon worked with the Urban League on the design of the system and Digital lent and ran all the equipment. The system provided the ability to enter and store job information for up to 5,000 employers, and matched job openings with applicants having appropriate skills. The system also allowed rapid entry of data, quick hard-copy printouts and a user-friendly query facility. "Qualified applicants were informed about jobs matching their skills and objectives and companies were informed about applicants matching their job needs as quickly and easily as possible," Gene said.

This year, Digital will be visible in a number of ways. After working closely with the Urban League for the past year, the task force has influenced their decision to add high technology to the conference agenda. "We have achieved our objective," says Gerri. "It's important to focus the attention of parents and educators from smoke stack industries to high technology." Will Thompson will represent Digital on the agenda which also includes speakers from IBM, General Motors, General Electric and Home Box Office.

Attendees to the conference will see a multi-image audio visual presentation promoting and describing careers in high technology using Digital employees as role models. It also focuses on the application of computer technology and logic and attempts to demystify computers. There will also be an exhibit booth modeled after a Digital Business Center to provide hands-on exposure to computers.

Digital again will supply the job retrieval system but with plans of making the Urban League self-sufficient in running the system in future years. The task force's strategy is to make investments that are useable in future years and at other events with visibility to a wider audience of minorities, women and students.



The Local Learning Center (LLC) in the Office Automation Education Center at Parker street specializes in the delivery of self-paced audio-visual generic courses. Courses offered are available on a continuous basis and are administered by a Course Administrator. LaBelle units are available for participants to run the course materials on the premises at their own pace. A forty hour course may be scheduled for an entire week or by other variable and available blocks of time. For further information about course offerings and enrollment, please contact the OA Registrar at DTN 223-2872, PKO3-1/B11.

## Rainbow ad campaign begins

Digital recently launched the first wave of "Campaign '83" with two Rainbow Personal Computer print ads running for a total of four weeks in newspapers in the top 35 metropolitan markets.

A full-scale national *Wall Street Journal* and color magazine advertising campaign will follow later this summer, including publications such as *Business Week*, *Fortune*, *Working Woman*, *Life*, *Money*, *Sports Illustrated* and *Newsweek*. Digital's Rainbow Personal Computer is also being featured

in two nationwide television ads, which began airing across the country in early June.

Regardless of the medium, the message is the same: Rainbow is the complete personal computer for the business professional. Each ad backs up the message with product features, such as the hundreds of software applications available on Rainbow, or that Rainbow can show 132 columns on the screen at one time, instead of 80, the industry standard.

# COMPUTER CORNER

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

Call the following DTN numbers to join these routes.

## VANPOOLS

### To Maynard

From Egleston Square, Roxbury, Jamaica Plain, Monument, Harvard Street, Allston, Cleveland Circle, Routes 9, 20 and 27, Tony Santos DCV #81, 223-4725

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

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

From Burlington, Route 128 Area, Jim Byrne DCV #23, 223-4168

From Worcester, Auburn, Shrewsbury, Jack Downing DCV #117, 223-6843

From Framingham, Natick Area, Thomas Martin DCV #43, 223-4240

From Gardner, Westminister, Doug Neale DCV #108, 223-5836

From Billerica, Bedford, Al Roemer DCV #74, 223-9408

From Porter Square, Cambridge, Arlington to Mill and Parker Street, Elissa Westlake-Fay DCV #115, 223-9227

From Fitchburg, Leominster, Scott Douglas DCV #64, 223-2803

### To Marlboro

From Cambridge to MR and Mt. Royal, Dick Russell DCV #37, 225-4324 or 225-4311

### To Maynard/Acton (ACO)

From Merrimack, NH, Lou Snider DCV #50, 223-7718

### To Maynard/Littleton

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

### To Maynard/Nagog

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

From Salem, NH with stops at ACO and LJO as requested, Jim Somma DCV #46, 288-6294

### To Maynard/Stow

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

From Burlington, Woburn, Lexington area, Bruce Judson DCV #65,

From Nashua, NH, Bob Cormier DCV #84, 276-9843

## FORMING VANPOOLS

### To Shrewsbury

From Maynard (November start date), Serge Martel, 276-9340

## Offerings from Ed Services Seminars

For more information or to register for the following courses, call the Seminar Registrar, 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.

### BASIC Version 2 Update Seminar

This two-day seminar will familiarize current users of BASIC with all the enhancements of this new release and their potential uses.

Programmers and systems analysts with BASIC experience, programming managers, and supervisors familiar with BASIC Version 1 language syntax will particularly benefit from this seminar, which will run on July 19 and 20 in Cambridge.

### Executive Computing for the Non-Data Processing Manager

At this three-day seminar, participants will gain a thorough understanding of how to get things done utilizing BASIC computer language. This seminar is designed for the manager and assumes no data processing background. This seminar will be given July 20 through 22 in Bedford.

### VAX/VMS System Performance Management

This lecture/discussion workshop is designed to help students maximize returns on their system investments. Common bottlenecks are examined and recommendations made to improve VAX/VMS performance. This seminar presents some performance implications and tradeoffs involved in using various programming techniques and practices. The seminar will run from July 27 through 29 in Cambridge.

### Networking: Design and Implementation of Computer Communications Networks

This three-day technical seminar for anyone involved in the design, use, or selling of networks is a state-of-the-art presentation of fundamental concepts, technology, and practical implementation of computer networks. It will include a thorough discussion of network architectures, components, and structures with a focus on complete network design. The seminar runs from August 1 through 3 in Bedford.

### Advanced Datatrieve Applications

This seminar is for current users of Datatrieve-11 who would like to use the advanced functionalities of this product. Seminar topics include design of domain and record definitions and use of procedures, tables, validations, and views and other advanced features.

Prerequisites: "Introduction to Datatrieve-11" seminar or Dats for this seminar are August 3 through 5 in Bedford.

### Local Area Networks—A Practical Approach

This three-day seminar provides a practical, technical discussion of the key design issues involved in the selection and/or implementation of a Local Area Network (LAN).

The concepts involved in the construction of network and internetwork systems based on LAN technologies are examined in detail. This seminar will be given on August 8 through 10 in Bedford.

### Introduction to Datatrieve-11

This seminar will cover many important features of Datatrieve-11 and demonstrate its ability to give you:

- faster responses 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.

The seminar will run from August 10 through 12 in Bedford.

### Design of Applications Under VAX/VMS

This seminar focuses on application design approaches that maximize the use of the hardware and software involved. Upon completion, attendees will understand the interrelationship between system hardware and software functionality for design.

Prerequisites: The attendee should have attended "VAX/VMS Utilities and Commands" and should have a working ability to program in VAX-11 FORTRAN/MACRO or similar experience on another system. The seminar will run from August 16 through 19 in Bedford.

# Employee Activities Trimester Schedule

To help employees benefit the most from Employee Activities events, *Digital This Week*, will publish a four-page schedule of upcoming trips and events three times a year. Please save the schedule for the three-month period because not all events will have follow-up publicity.

Ticket forms for individual events will be available at local Employee Activities offices and display boards within the next week. More information can be obtained from local Employee Activities representatives.

## August



### The Best of the West

Weekly departures from July 2 to Oct. 1. Travel to Los Angeles - San Francisco - Las Vegas - Anaheim - Yosemite National Park - Sacramento - Lake Tahoe - Monterey - Carmel - Sonora Gold Country - Calico - California Coastline - Big Sur - Solvang

Thirteen days - Twelve nights

The Best of the West Tour includes:

- Round-trip jet Boston/Los Angeles.
- 12 nights accommodations.
- Transportation throughout the tour.
- Sightseeing tours.
- Services of a professional tour escort.

Cost: From \$659.00 (+15% tax and service)

### Country Music Festival - Featuring Jerry Reed

When: Sunday, August 7

Buses will depart Parker Street parking lot at 7:00 a.m. and arrive at Hunter Mountain in the beautiful Catskills Mountains in New York State in the late morning. You'll be immediately carried away by the nation's best country and western music which will continue nonstop for the day including Jerry Reed. Arrival back home is estimated to be 11:00 p.m.

Cost: \$33.00 per person, price includes: transportation and show

Reservations must be received by July 22.

### White Water Rafting on the Kennebec River

When: August 12 - August 14

Weekend includes:

- Round-trip transportation (Buses depart from Parker Street parking lot, early morning departure)
- Two nights accommodations at Sugarloaf in Carrabasset Valley
- 4 meals/2 breakfasts, prime rib dinner and steak cookout on day of rafting trip.
- Full day rafting with professional guide.
- Use of equipment from rafting company.
- Crimson Travel escort throughout.

Cost: Quad, \$119\*; triple, \$129\*; twin, \$139; single, \$174\*.

\*Add \$29.00 per person tax and service to all rates.

Reservations must be received by July 12.

### Polka Festival - Featuring Bobby Vinton

When: Saturday, August 13

Buses depart Parker Street parking lot promptly at 7:00 a.m. Join the sensational Bobby Vinton, over 20 top Polka bands, free dance lessons, dance contests, performing dance groups, the annual National Polka Queen contest and the Senior Citizen talent contest for fun that keeps Polka fans coming back for more! No festival would be complete without tons of delicious ethnic foods and brew. Approximate time of arrival at PKO3 is 11:00 p.m.

Cost: \$29.00 per person, price includes transportation, admission to festival and shows.

Reservations must be received by July 25.



### Niagara Falls and Toronto

When: August 18 - August 21

Buses depart Parker Street parking lot promptly at 7:30 a.m. Upon arrival at Niagara Falls we will check in to the Oakes Inn for a get acquainted dinner.

On the second day, we will drive along the shores of Lake Ontario to Toronto. Next, we'll get a bird's eye view of the city from atop of the CN Tower - the world's tallest free-standing structure.

On the third day, we'll take a cruise under the falls aboard Niagara's "Maid of the Mist," boat. We'll visit Niagara's lush

horticultural displays, including the world famous Floral Clock, then lunch atop the spectacular Skylon Tower - 775 feet above the falls.

Includes six meals: 3 breakfasts, 1 lunch, 2 dinners

Cost: \$219 double; \$209 triple; \$259 single

Reservations must be received by July 18.

### Fall River Factory Outlet Shopping

When: Saturday, August 20

Buses depart Parker Street promptly at 8:00 a.m. Enjoy a day of shopping at the famous Knitting Mills, Kravif Factory Outlet, Kidswear Factory Outlet, Kay Windsor Factory Outlet and much more. Buses return to Parker Street at approximately 6:00 p.m.

Cost: \$17.00 per person, price includes transportation and lunch.

Reservations must be received by Aug. 5



### Cape Cod Melody Tent - Featuring Neil Sedaka

When: Sunday, August 21

Buses depart Parker Street Parking Lot promptly at 12:00 noon. We will arrive in Hyannis for shopping at approximately 2:00 p.m. An early dinner will be served at 4:00 p.m. The show at the Cape Cod Melody Tent will begin at 6:00 p.m. Buses will arrive back at Parker Street at approximately 10:00 p.m.

Cost: \$29.95 per person, includes dinner.

Reservations must be received by July 21.

## September

### Penn Dutch Tour/Gettysburg Tour

When: September 2-September 5

Buses depart Parker Street parking lot at 7:30 a.m. Points of interest include: Farmers Market, The Old Country Store, Amish Homestead, Chocolate World, Founder's Hall, Hershey School of Orphans and a trip to Gettysburg, PA.

Cost: Quad, \$159; triple, \$169; twin, \$179; single, \$239.

Includes six meals: 3 breakfasts, 2 Penn Dutch feasts and 1 dinner.

Reservations must be received by Aug. 8.

### Pleasant Valley Golf Classic Benefitting the Jimmy Fund

When: September 5-September 11

Where: Pleasant Valley Country Club, Sutton, Mass.

Tickets: \$5.75 each

Discount applies to September 8 - September 11.

Admission on September 5 and 6 is free. Tickets for September 7 may be purchased at the gate for \$5.00. Grounds exchange coupons may be used any day. Parking is free.

Orders must be received by August 22.

### Canadian Rockies

When: September 19 - September 26

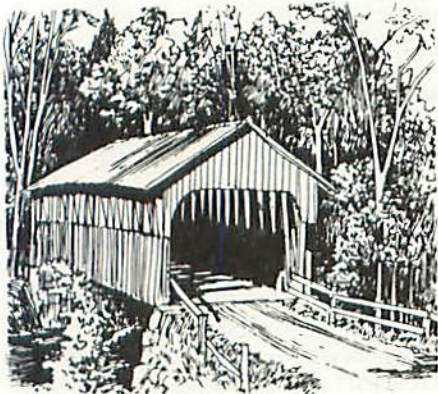
Points of interest: Banff - in the heart of the Rockies, born as National Park in 1885, an area of contrast, plunging valleys and soaring ice-capped mountain peaks. Lake Louise - one of the most recognized beauty spots in the world, is reached from Banff via a panorama filled with snow-capped peaks, endless forests, river valleys that never seem to stop winding. Jasper - also a National Park with a string of turquoise lakes, streams, canyons, waterfalls, and soaring mountains.

Tour features include:

- Air transportation Boston/Calgary and Kamloops/Vancouver/Boston.
- Sightseeing tours including admissions where required.
- Accommodations in twin-bedded rooms with private bath including 2 nights at the Banff Springs Hotel, 1 night at the Chateau Lake Louise, 2 nights at the Sawridge Hotel in Jasper, 2 nights at the Hyatt Regency Hotel in Vancouver.
- A total of 5 breakfasts, 5 dinners, 2 lunches (no meals in Vancouver.)

Cost: \$1559.00, double occupancy

Reservations must be received by Aug. 5.



### Vermont Green Mountain Follage Tour

When: September 23-September 25

Points of interest include: Shelburne Museum, Working farms (Round Barn, Von Trapp and Kennedy) UVM Morgan Horse Farm. Trip includes:

- Transportation

- Luxury condominium accommodations at Sugarbush Valley, based upon twin occupancy; single supplement \$60; triple reduction \$4 per person.
- Seven meals (all meals are scheduled at top restaurants, inns and taverns).
- Full sightseeing and evening entertainment featuring the "Valley Playhouse Singers"
- All room and meal taxes and gratuities

Cost: \$169.00, double occupancy.

Reservations must be received by Aug. 8.



### Egypt Nile Cruise

When: September 24-October 7

Places to be visited:

CAIRO: Pyramids, King Tut exhibit, Mosques, Bazaar & Citadel.

LUXOR: Karnak, Valley of Kings and Queens, Tomb of King Tut, Queen Hatshepsut, Colissi of Mennon.

ESNA: Temple of god Khnum

EDFU: Edfu Temple

KOM OMBO: Graeco-Roman Temple

ASWAN: Sail in a felucca to visit Aga Khan Mausoleum, Islands Elephantine & Kitchener

ABU SIMBEL: Temples of Ramses II and Queen Nefertari

Trip Includes:

- Round-trip economy transatlantic jet from Boston to Lufthansa.
- 13 nights in five star Sheraton Hotels (5 days/4 nights cruise)
- Lunch or dinner and continental breakfast daily (except on cruise)
- Sheraton Nile Cruise
- Full time services of English speaking guide accompanied by an Egyptologist from the Boston Museum of Fine Arts
- A/C Motorcoach for daily sightseeing and between airport and hotels
- Sailing on the Nile in a felucca
- Insurance for medical coverage throughout tour

Cost: \$1979.00 double occupancy, \$2225.00 single occupancy, \$1899.00 triple occupancy.

Reservations must be received by July 24.

### Eastern States Exposition

Tickets will be available, watch DTW for dates, etc.

### Cohoes Specialty Shopping Trip

When: Saturday, September 17

Cohoes in Cohoes, N.Y. near Troy is a major fashion outlet with two floors of mag-

nificent fashions. Shoes, handbags, dresses, suits, coats, sportswear, jewelry, fragrances, cosmetics and accessories for women who are perceptive about their fashion needs. Designer shoes, sportswear, suits, sweaters, slacks, shirtings, neckwear and accessories for men with a flair.

This trip will allow for five hours of shopping at Cohoes. Tuna and egg salad sandwiches will be served from 11:00 a.m.-4:00 p.m. in the hospitality suite free of charge. (Cohoes suggest you bring a box lunch in addition).

Cost: \$5.00 per person, includes transportation.

Reservations must be received by Aug. 19.

## October



### Washington D.C. Spectacular

When: October 7-October 10

Buses depart Parker Street at 7:30 a.m.

You arrive in the late afternoon at the deluxe Hyatt. After your included dinner, depart for a night time tour of the Lincoln Memorial, the Jefferson Memorial and the Washington Monument. After breakfast on the second day, our Washington guide will take us to the Bureau of Printing and Engraving. We will also visit the White House, The Supreme Court, Library of Congress, the Capitol, Arlington National Cemetery, The Kennedy Gravesites and the National Cathedral. After breakfast the third day, we will visit Mt. Vernon, the Smithsonian Institute and the Immaculate Conception Shrine. A farewell dinner will be hosted at the Flagship Restaurant on the shores of the Potomac. On our last day, following breakfast we'll board the bus, to leave the nation's capital.

Cost: Quad, \$179; triple, \$189; twin, \$199; single, \$289; child, \$169. This includes 6 meals - 3 breakfasts, 3 dinners.

Reservations must be received by September 2.

### Bermuda Holiday

When: October 10-October 14

Tour includes:

- Round-trip air transportation via scheduled airline

- Superior accommodations for 4 nights at the Hotel Inverurie to consist of sharing twin-bedded rooms with private bath
- Full breakfast daily at the hotel
- Dinner nightly at the hotel
- Free use of tennis courts
- Free daily round-trip beach transportation
- The services of a qualified tour escort

Cost: \$639.00, double occupancy  
Reservations must be received by Sept. 1.



**Atlantic City**

When: October 14-October 16

We will arrive in the early afternoon at the fabulous Resorts International Hotel/Casino. Dinner is included tonight at the Wedgewood Pavilion, Resorts fabulous Smorgasbord Buffet. Then, you will enter the Resorts Nightclub where a Las Vegas Review Show will entertain you through the night.

Cost: Quad, \$165; triple, \$171; twin, \$175; single, \$225. Price includes 3 meals - 1 lunch, 2 dinners and show.

Reservations must be received by Aug. 26.



**Montreal**

October 21-October 24

Buses depart Parker Street at 7:30 a.m. Accommodations will be at either the Meridian Hotel or the Bonaventure Hotel. Your first night features dinner at La Vieux Gabriel's Restaurant, the oldest restaurant on the North American continent. After breakfast on the second day (included) a full day of sightseeing awaits you today as you depart for a tour of Montreal. Tonight visit Old Munich, a Bavarian res-

taurant, for an evening of fun. After breakfast (included on the third day) you have the day free to shop at the Place Ville Marie or Place Bonaventure. Of course, the hotel pool is always a favorite option of many. Dinner and entertainment await you tonight at the Medieval Banquet. After breakfast on the fourth day, we will depart for home.

Cost: Quad, \$215; triple, \$219; twin, \$229; single, \$319; child (10-17 yrs.), \$209. Price includes 6 meals - 3 breakfasts, 3 dinners.

Reservations must be received by September 16.



**1983 Cultural Directory - "Stepping Out"**

Stepping Out is published by the Massachusetts Cultural Alliance and is a year-round guide containing information on Music, Theatre, Art, Dance, Science & Nature, History and film in Massachusetts. Also included are special discount coupons and seating plans of area theatres.

Cost: \$1.75 each- Regular: \$2.50

Maynard Employee Activities Committee Presents

# SUMMERFEST

At Crotched Mt.

## Old Fashioned Country Fair and Festival

**Upon Arrival**  
Fresh Doughnuts  
Coffee  
Tea  
Soft Drinks  
10 a.m.

Folk Music  
Live Bands  
Puppet Shows  
Swimming  
Softball  
Volleyball

Saturday, July 16  
10:00 a.m.-6:00 p.m.  
Francestown, NH

**Scrumptious New England Barbecue**  
Barbecued Chicken, Corn on the Cob, Hot Dogs, Hamburgers  
Garden Fresh Salad, Cole Slaw, Potato Salad  
All you can eat, Come back for more!!  
Served from 12-4 p.m.



**Delicious Appetizers**  
Steaming Steamers  
Homemade  
Clam Chowder  
Served from 11-1

Hayrides  
Badminton  
Games and Races  
Clowns  
Balloons  
Bingo  
Chairlift Rides

### SUMMERFEST AT CROTCHED MOUNTAIN COUNTRY FAIR AND FESTIVAL

**Saturday, July 16, 1983 at \$9.00 ea. per day**

Total Number of Tickets \_\_\_\_\_ Check enclosed for \$ \_\_\_\_\_

Please list age breakdown:  
No. of people:

0-6 years - FREE  Teens at \$9.00 each

7-12 at \$9.00 each  20 and over at \$9.00 each

Do you plan to bring an exhibit or craft to sell? If so, please check:

Art/Crafts only hand/home made items  Antique Car

Agricultural/Horticultural  Special Interest Car

Please note that the Exhibit and Craft Area will be located at West Lodge.  
**There will not be an extra charge for people who wish to bring an exhibit or craft to sell. Booths will be provided.**

Your Name \_\_\_\_\_ Loc/Mailstop \_\_\_\_\_ DTN \_\_\_\_\_ Badge # \_\_\_\_\_

Home Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip code \_\_\_\_\_

I understand that if the allotment of tickets is sold out my money will be refunded. Please make check payable to DEC RECREATION ASSN. and mail completed form, check and a stamped self addressed envelope with your home address to DEC RECREATION ASSN. P.O. BOX 18, Maynard, MA 01754, attn: SUMMERFEST. TICKET ORDERS MUST BE RECEIVED BY JULY 8.

## Meac plans events for Maynard area employees



Maynard Employee Activities Committee (meac) is made up of volunteers who plan events and sales for Maynard area employees. Members pictured are (left to right): Vincent Messina, Janet Buscemi, Theresa Cash (chairperson), Jim Joubert (secretary), Luanne Flood, Holly Powderly, Clotelle Atkins, and Virginia Murphy.

Maynard Employee Activities Committee (meac) is a group of employees from the Maynard area, who volunteer their time to coordinate various activities for the employee population. Although they coordinate their activities with Corporate Employee Activities, meac is a separate self-sufficient organization.

Officers were selected by the committee members for two year terms: Theresa Cash is the chairperson, Rose Bisol is the co-chairperson, treasurer is Alice Pillivant and Jim Joubert is secretary. The active meac members are: Clotelle Atkins, Janet Buscemi, Carol Donnelly, Thelma Dumont, Luanne Flood, Lori LaBossiere, Vincent Messina (retired), Virginia Murphy, Holly Powderly, Paula Reini, Chris Raisanen, Carolyn Thomas, Mary Thomas (retired) and Lorraine Whitaker.

The activities and events are generally self-funded through ticket sales and fund raisers. The proceeds go towards subsidizing the cost of future events and activities.

### Meac events for 1983

June - Digital T-shirt and tote bag sale  
July 16 - Summerfest at Crotched Mountain

August 27 - Boston Harbor Dinner Cruise  
September - Roller Skating Night  
October - MDA Fund Raiser  
October 23 - Arts and Crafts Fair  
December - Toys for Tots Campaign

### Meac survey results

Earlier this year, meac surveyed employees to determine future events, generate employee interest and create new ideas. Data regarding the needs of employees was felt to be particularly valuable in planning for the monthly meetings and the regularly scheduled events and activities.

A total of 443 employees responded to the survey, representing a four percent return from the 10,000 employee population in the Maynard area.

Some common concerns and themes throughout the survey:

- Communication via activities newsletter or DTW
- Physical fitness programs
- Trips
- Discount tickets to sporting events
- Skating
- Dancing

The following activities generated the highest response:

- Clambake
- Winter/summerfest
- Flea Market
- Arts & Crafts Fair
- Cruise
- Charity Fund Raiser
- Concerts
- Theatre (live)
- Dance
- Newsletter

Future events, feature articles, activity summaries and schedules of meac will be published three times a year in an issue of the DTW. The next publication will be in September. If you have any questions regarding the Maynard Employee Activities Committee, please don't hesitate to contact one of the members.

If you are interested in becoming a member, you need to submit a letter to one of the officers, signed by your manager, stating that you have approval to join the committee, or write to: Meac, PKO3-1/K8U or P.O. Box 18, Maynard, Mass. 01754





## 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:

- July 18 issue - July 6 deadline
- August 1 issue - July 20 deadline
- August 15 issue - August 3 deadline
- September 6 issue - August 24 deadline

### DCU signs up 50,000th member

Digital Credit Union (DCU) signed up its 50,000th member on June 8. Karen Velez Lema joined the Aguadilla, Puerto Rico DCU branch which opened this past spring.

DCU first opened in May of 1980 and is one of the fastest growing credit unions in the country.

### Corporate Communication Plans Open House

Corporate Communications is holding an Open House on Wednesday, June 29 from 3:00 to 7:00 p.m. at CFO1 (Baker Ave., West Concord) to recruit for positions in product promotion, marketing communication, advertising, public relations and photography. The current edition of the JOBS book has more information. If you can't make the Open House and have questions call Bob Hanlon, DTN 223-7549, MSO/D9.

### Learn about your back

Mill Health Services will present a 45-minute program to help employees learn about back health. The program consists of a 15-minute sound-slide program and 25 minutes of lifting techniques and exercise. Three sessions of the program will take place on June 28 and June 29 at 9:00 a.m., 11:30 a.m., and 2:00 p.m.

### Direct deposit sought for Winthrop

Anyone interested in having their pay check deposited directly in the Winthrop Savings Bank should contact Peter Martino, DTN 289-1704, APO-2/C8. Payroll requires at least 15 employees request a particular bank before a direct deposit link is established.

### DCU votes interest refund

The board of directors of the Digital Credit Union voted a five percent interest refund on all loans with a rate of 15 percent or more. The period covered by the interest refund is from January 1 to June 30, 1983.

According to communications director Donna-Lane Nelson, the refund will give members about \$5 back on every \$100 they paid in interest (excluding principle). All refunds will be deposited into members accounts on July 1.

### Members sought for Shrewsbury Employee Activities

Employees planning to move to Digital's Shrewsbury site this winter, who would like to be a member of the Employee Activities Committee, should call Donna Sarrasin, DTN 292-2275. The committee is beginning to meet regularly to plan events for the new facility.

### Westminster gets direct dialing

On July 18, Westminster will have Direct Inward Dialing added to their phone system. All extension numbers beginning with "2" will become "3" on July 18. For example, if any employee's extension is DTN 241-2804, it will become DTN 241-3804 or (617) 874-3804. All of the changes will be reflected in the July issue of the Digital Telephone Directory.

### Health care: Are you involved?

In response to the rapid changes that are occurring in the health care field, Digital plans to conduct a trustee education program. The program will be available to employees who serve as community representatives on the boards of hospitals and other health care facilities. As a first step, Dan Fritz, manager of Benefits Planning, Corporate Compensation and Benefits, would like to learn the names of employees and spouses who participate on boards of directors of hospitals, health maintenance organizations (HMOs), health systems agencies (HSAs), health care coalitions and other organizations that address health care issues. Depending on the level of interest, a meeting may be scheduled for these people to discuss the key health care issues to include in the program.

If you are interested in participating or know someone else at Digital who would be, please call Dan Fritz, DTN 251-1338 or (617) 264-1338.

### DECBIGBAND swings again

The DECBIGBAND will appear in concert on Saturday, July 9 at Greeley Park in Nashua, N.H. from 7:00 to 9:00 p.m. The concert is open to the public free of charge. Greeley Park has limited seating accommodations, so bring a chair or a blanket. Mosquito repellent is also advisable.

### Learn more about statistics

Statistics for Informed Decisions, a two-day workshop, will be held at the Sheraton Boxboro on July 13 and 14. The workshop will examine the criteria for evaluating the quality of information, guidelines for planning information acquisition projects, and the rationale behind techniques used for analyzing data to develop information. To register for the course call the Educational Services Registrar, DTN 249-2670.

### Revenue Accounting holds meeting

An informal presentation and discussion about Revenue Accounting in the new Digital will be held in the Corporate Conference Room (PKO3-1) from 9:00 to 11:00 a.m. on July 15 and July 22. Topics covered include accounting structure, revenue measurement, revenue reporting, and transfer costs. For more information or to attend one of the sessions contact Dennis Fitzgerald, DTN 223-2182.

### Hudson... *Continued from page 1*

manufacturing. If we were just concerned with today there are certain things we would not do. For instance, there is plumbing in every aisle and we have a full basement so things can be easily changed. The mechanical systems are arranged to stay as flexible as the fabrication area it services. As the area expands, space is available for additional fan system components to provide capacity as required.

The complexity of chips we manufacture will be greatly increased in the new building. We are presently putting 10,000 to 15,000 transistors on a chip and expect to be able to put somewhere around one million on a chip," Jeff said.

Plans for the building include a high degree of automation to ensure cleanliness and a high degree of employee involvement in the work design. While the building is being fitted up with equipment, the chips to be manufactured are being prototyped in FAB II. The first actual wafer processing in FAB III will take place this October.

# THE MARKETPLACE



## APPLIANCES

- REFRIGERATOR, 20yrs old, \$50, Glenda, 279-5663
- REFRIGERATOR, GE 19 cu ft, white, vj gd cond, \$300, B/O, Debbie, 276-9498
- FREEZER, 21 cu ft upright, commercial type, 2yrs old, \$650, Judy, 247-2932
- DISHWASHER, Kenmore, built-in, gd cond, \$50, Mark, 223-3396

## CARS

- '79 MAZDA GLC, 5dr dlx wgn, 64Kmi, reliable, economical, brown, vj gd cond, \$3250, Charlie, 231-4269
- '74 SAAB 99, re-blt transmission + timing chain, \$995, B/O, Lisa, 231-4694
- '77 CHEVY VEGA, 4cyl auto, PS, radials, AM/FM, exc mech cond, no rust, \$2475, Rich, 223-8451
- '80 OLDS OMEGA BROUGHAM, 2dr, fully equipped, frnt whl drv, gold, exc cond, Johnny, 223-3464
- '81 CHEVETTE, 21Kmi, rear defog, AM/FM, tape deck, exc cond, \$3600, Marion, 223-3993
- '74 OPEL 1900 WGN, gd economy vehicle, nds some repair, runs well, \$400, B/O, Ronald, 231-7113
- '80 HONDA ACCORD, 4dr sedan, AC, sunrf, 43Kmi, red, exc stereo, showrm cond, \$6400, Glenn, 223-6549
- '79 DATSUN 310, htchbk, 35mpg, reg gas, AM/FM, 4spd, one owner, velour int, \$3600, B/O, Paul, 223-8283
- '81 ESCORT WGN GL, AC, AM/FM, PS, 36Kmi, Ford warranty, yellow, exc cond, \$4450, Chris, 231-4364
- '80 MUSTANG, sport htchbk, 4spd, rustprf, AM/FM, rear defog, anti-theft lock, \$4250, Marey, 234-4642
- '80 DATSUN 280ZX, 5spd std, new tires, mags, Chapman, red w/red, just tuned, \$8300, B/O, Angelo, 269-2063
- '72 BMW BAVARIA, '74 eng, mechanicals OK, body poor, enthusiasts only, \$3000, Steve, 225-5699
- '76 PLYMOUTH VOLARE, PS, PB, AC, orig owner, 66Kmi, snows inc, exc cond, \$2000, James, 223-3303
- '78 PLYMOUTH VOLARE, 6cyl, PS, AC, AM/FM, \$2495, Sue, 273-3105
- '74 FIAT 128, sedan, frnt whl drv, 4spd, 70Kmi, minor body rust, \$300, Tom, 223-6046
- '73 CHEVY TRUCK, 1/2 ton, 283, 3spd, \$700, Al, 223-7862
- '68 PLYMOUTH VIP, no rust, nds minor mech work, PS, PB, Boyl, \$275, Judy, 247-2932
- '75 CHEVY VEGA, auto, 86Kmi, \$400, B/O, Michael, 249-1722

## FURNITURE

- CARPET + PADDING, light blue wall-to-wall, gd quality, 10 x 12, \$125, Linda, 231-6687
- DINING RM SET, light pine, 42" rnd tble, 4 chairs, 2 leaves, buffet hutch, \$600, Connie, 226-7182
- ANTIQUA BED, solid mahog, acorn posts, dbl sz, professionally refinished, \$400, Betsy, 223-5744
- LIVING RM CHAIR, colonial style, rust/red color, comfortable, \$150, Diane, 225-5951
- CASUAL CHAIRS(2), matching bright yellow vinyl, well built, gd cond, \$40, Dick, 223-8200
- DINING RM FURNITURE, hutch, 60" rnd drop leaf tble, dark pine, gd cond, \$325, Maureen, 247-2116
- MATCHING LOVESEATS(2), traditional style, teal blue color, velvet, \$225ea or B/O, Claudia, 223-2278
- BDRM FURNITURE, Danish trpl drsr w/mirror, exc cond, half price, \$265, MaryJane, 258-4203
- KITCHEN TABLE, 4 chairs, \$200; coffee tble, \$65; couch, seats 3, \$215, B/O, all pine, Wolf, 251-1579
- WATERBED + DRSSR, qn sz dark pine, matching drsr w/mirr, will separate, \$425, B/O, Gordon, 277-7052

## MISCELLANEOUS

- WEDDING GOWN, sz 5/6, long sleeve, empire waist, off-white, train, \$150, Liz, 223-6053
- COMPUTER, TRS 80 Model I, Level II, w/monitor, cass recorder, tapes, manuals, \$350, Gary, 231-6629
- TIRES(2), G60-15, gd tread, wide, white lettering on sides, \$60 for pr, Denise, 265-1505
- MISC: CB antenna; 10gal fishtank, garden tools, anti-que desk, quartz heater, chandelier, Joe, 231-6638
- CHINA, 6 spc place settings, Lenox "Weatherly", white fluted edge w/silver band, \$150, Gail, 225-4865
- VW BUMPER, front + rear, Bug + Superbug, perf cond, \$35ea, John, 289-1573
- TIRES(5), H78-15 fiberglass belted, Goodyear, 2/3 tread left, 5 for \$100 or \$25ea, Jean, 225-5378
- DATSUN 280ZX ACCESSORIES, ski rack, \$30; car cover w/storage bag, \$35, B/O, both new, Jim, 289-1314
- POOL, 24', all aluminum, with filter, pump, motor, ladder, etc, exc cond, \$500, Cathy, 231-4167
- RADAR DETECTOR, Escort, the finest made, \$215, Chris, 225-5275
- TRAILER HITCH, Citation bumper mount, 2000lb tow, 200lb torque limit, \$20, Russell, 225-4807
- LUGGAGE, 3pc ladies Samsonite luggage set, exc cond, \$100 for all 3, Mary, 223-5980
- MINI-TV with AM/FM, 2" B+W, runs on AC/DC, car batt, 5lbs, all adaptors, \$150, B/O, Brenda, 284-3247
- WEDDING GOWN, long chiffon sleeves, high collar, \$250, B/O, Kim, 221-5723
- CHAINSAW, electric, Homelite XEL, 12 inch, \$30, Gunter, 225-5850
- TU 58 TAPE CARTRIDGES, tapes never used, in orig pkg, 11 available, \$12ea, 11 for \$95, Jim, 288-6399
- GIUITAR, Epiphone Acoustic, w/case, gd cond, \$70, B/O, Janis, 249-4623
- OSCILLOSCOPE, Heathkit 5" 10MHz, like new, w/manual, \$165, John, 278-4082
- ALLOY WHEEL/TIRE, aluminum, OEM for Audi/Scirocco, mntd 175/70 SR 13, true whl, \$85, Milt, 231-6317

## MOTORCYCLES

- '82 SUZUKI GS1100EZ, rifle fairing, oil cooler, lugg rack, 2800mi, \$2900 firm, Paul, 232-2222
- '81 HARLEY DAVIDSON FLH, black, full dress, extra chrome, oil cooler, 4400mi, \$5800, B/O, Eric, 251-1463

## PETS

- ENGLISH BULLDOGS, AKC, 1 male, 2 females, \$400ea, Caren, 223-1213

## REAL ESTATE

- PEPPERELL, 12-15acre residential lots, southern exposure, mountain views, negot, Eric, 289-1628
- WESTON, 8rm split, newly decorated, south side location, low \$200s, Ken, 223-4665
- EASTMAN-GRANTHAM, NH, building lot, vacation/yr-round community, \$13.9K, B/O, Bob, 231-6450
- MARLBORO, 7rm ranch, stone front, 1/2 wooded acre, rec rm, fam rm, lrg kitch, \$70s, Robert, 276-9072
- MARLBORO, 2bdrm condo, fully appl, like new, eat-in kitch, microwave, owner finan, \$39.9K, Susan, 279-5436
- OXFORD, 2houses on 25000sq ft, 8rm cape + 4rm rental house, some owner finan, \$56K, Larry, 235-3313
- TEMPLE, NH, contemp 3-4bdrm, 6acres, trout pond, full carpet + appl, custom extras, \$90K, Judy, 247-2932
- JACKMAN, ME, 3bdrm log home, frplc, full bath, fully appl eat-in kitch, spectac view, \$48K, Bob, 231-7893

## RECREATIONAL VEHICLES

- '65 APACHE TENT TRAILER, slps 4 adults, w/stove, gas bottle, heater, gd cond, \$400, B/O, Ed, 223-2583
- BOAT TRAILER, w/tail-light hook-up, exc cond, \$250, Maria, 223-6811
- SAILBOAT, 24' SanJuan fiberglass sloop, well equip for racing/cruising, exc cond, \$11K, David, 231-7503
- AMF MINI-SKAMP CAMPER, folding hardtop, slps 4, compact car towing, 7'x6'3" folded, \$1095, Bob, 223-2622
- LAYTON TRAVEL TRAILER, 17', new 4/82, never used, slps 5-6, self-contained, \$6K firm, John, 249-4550
- O'DAY INTERCLUB SAILING DINGHY, 12' fiberglass hull, alum mast, wooden boom, trailer, \$775, Linc, 231-5801
- '72 EASTERN CAMPER, 11'6", self-contained, ref, shwr, toilet, oven, slps 4-6, Alagash mdl, \$1K, Fred, 226-7115

## RENTALS

- VACATION HOME, Boothbay, ME, new home, priv saltwater cove, July-Aug: \$350/wk, Sept: \$250, Ron, 278-4714
- VACA RESORT, Steele Hill, Laconia, NH, slps 4-6, fully equip, tennis, golf, swim, 7/22-29, \$450, Jean, 251-1308
- COTTAGE, Scituate, Minot Beach, slps 6, walk to beach, avail 7/17-9/4, \$1000/mo, \$2500/seas, Pat, 225-5066
- HOUSE, Pocasset, 2bdrm, fully furn, 1 block to priv beach, \$300/wk, Joe, 288-6766
- HOUSE, Concord, 4bdrm contemp, waterbed, nice neighborhood, July+Aug, no pets, \$1200/mo, Judy, 223-2353
- APARTMENT, Southboro, sm basement studio, \$225/mo, partial utils, Marjorie, 292-2022
- VACATION HOME, Harwich, Cape Cod, 3bdrm, 2bath, priv beach, boat, Long Pond, July-Aug: \$500/wk, Art, 269-2055

## ROOMMATES

- HOUSEMATE, M/F, non-smoker, new 2bdrm 4story townhse, Maynard, Sept 1, \$250 + 1/2utils, Marilyn, 223-1293
- HOUSEMATE, M/F, 2bdrm, Worcester, \$250 includes all, Row, 279-5385
- ROOMMATE, F, share 2bdrm condo, rte 20, new paint, exc cond, \$175 + 1/2utils, Sue, 279-5436

## SPORTING GOODS

- SKATE BOARD, top quality skate board, ball bearing/urethane whls, exc cond, \$35, Ernie, 289-1563
- TENNIS RACKET, 100% graphite, Bard mid, 4 1/2L, \$60, Chi, 236-2261
- BIKE CARRIER, bumper style, fits on any car, carries 2 bikes, gd cond, \$10, Susanne, 223-7199
- BOY'S BIKE, 24" 3spd orange Columbia, gd cond, \$35, Bob, 225-4661
- TENT, 8' x 10', in vj gd cond, \$50, Daniel, 231-6841
- DEAD CALCULATORS, for a collection; or old books about computers, Dick, 231-5483
- TRIBAND BEAM, 3 element, for amateur radio frequencies, tower + rotor also if possible, Walt, 223-7142
- BABY CAR SEAT, approved seat that converts from infant to toddler size, under \$30, Cecilia, 223-7419
- '58 PLYMOUTH FURY, as run in recent DTW, by Roland, please contact Clayton, 288-6555

## WANTED

- SUMMER RENTAL, Marblehead/Swampscott, prof cou w/no kids or pets, will care for pets, Rob, 249
- RENTAL, fam of 4, July/Aug, Acton-Littleton-Groton-Townsend, while house is being built, Ray, 251-1782
- HOOPED SLIP/SKIRT, June, 249-4077
- SAILORS, to race sailboat weekends in Marblehead, Gene, 259-3833

## Training groups profiled

**Digital Management Education**, located at the Bedford Training Center, offers seminars to managers, supervisors and individual contributors. Courses include function specific training, one-of-a-kind workshops for limited audiences, as well as generic training in communication, leadership and business skills. The seminars, which run from one day to two weeks, are held mainly in Digital facilities, including Bedford and sites across the country. A poster describing most of the offerings for the next six months is currently being distributed. For more information contact the course registrar, DTN 249-1881 or 249-1882.

**LSI Engineering Training and Research**, located in Hudson, Mass., provides engineering education for employees on several levels including: highly technical training courses; monthly seminars on technical specialized subjects; and resident programs in which participants have one year to do research or get a degree from a specific school. The group also holds College Day twice a year to disseminate information on universities and colleges. For more information contact Del Thorndike, DTN 225-4911, HLO1-1/007 WAFER::THORNDIKE.

**Software Services Training**, located in Bedford, offers a curriculum of courses for Software Services personnel. These courses are designed to teach Software Specialists how to assist the sales force in selling; how to deliver support defined in Software Product Descriptions and how to assist customers who may purchase additional consulting services from Digital. To receive the Software Services Catalog and Employee Education Course Schedule call DTN 249-4300. U.S. Area Software Services employees should register via their regional Software Services Training Managers. All other employees may call the Bedford Software Services registrar Ann Martin, DTN 249-4671.

**Technical Software Training**, developed by Central Engineering offers courses such as Software Quality and Testing, Inspection Moderators Workshops and BLISS courses in Bedford. Descriptions can be found in the Employee Education Course Schedule. For more information contact Pat Cox, DTN 381-1353. For enrollment or general course descriptions, call Education Services registrar Sherlaine Christmas, DTN 249-4670.

**Education Services Seminars**, located in Bedford, offers seminars in five categories: systems performance management, networking, data management, software development, and application design and programming. Additional seminars are offered on current topics such as new products and version updates. All seminars are

conducted by industry experts, from inside and outside Digital. Many seminars are exclusively for employees. Employees also have the option of attending nearby customer seminars or arranging for on-site programs. For more information or for a catalog of seminars, call DTN 249-4936 or write Seminars Programs, BUO/E58.

**Digital Information Systems (DIS) Training**, located in Bedford, offers software courses to meet the long-range needs of MIS professionals. In addition to regular training, there is a highly intensive Programmer Trainee Program to train entry-level application programmer/analysts. Most courses are offered in Bedford but on-site training can be arranged. For general information and a copy of the DIS Training catalog, contact Kam Lee, DTN 249-1461, BUO/E54. Schedules are included in the Employee Education Course Schedule. For course availability contact the DIS registrar Sherlaine Christmas, DTN 249-4670.

**Office Automation**, located in Maynard, trains employees in the concepts, use, planning and applications of Digital's office automation tools. OA has training on the Professional 300 Series, ALL-IN-1, and the concepts of office automation. They also have revised the PDP-8 based word processing and electronic communications curricula to reflect new software applications and DECWORD training continues to be offered. For more information look for OA posters and flyers or call the registrar, DTN 223-5820 or 223-2872 for dates and locations.

**Supervisory Development for Central Engineering** offers training for new supervisors in Engineering and established work teams. For more information or to be added to the mailing list contact Diane Hilaire, DTN 223-3457, MLO3-4/A11.

**Split Brook Technical Seminar Series**, offers current programs of interest to the software engineering community. Speakers are considered experts from within Digital, universities and industry. For more information or to be added to the mailing list contact Dorothy Mamos, DTN 381-1057 or ZEKE::MAMOS.

**Large Systems Group Training and Development** offers about one two-hour seminar weekly as part of the Marlboro Technical Seminar series. They are free of charge and focus on topics of interest to LCG and the Marlboro site. The seminars are videotaped and available for loan from the Marlboro Library. Many special courses are also available to employees. The cost ranges from \$300 to \$500 per week. For further information contact Susannah Nathan, DTN 231-6301; DEMILO::NATHAN or Gereda Pruitt, DTN 231-6769, DEMILO::PRUITT.

## ISS Technical Seminar

Hall of the White Mists  
Hudson, Massachusetts

**June 29 - 3 p.m.**

Alan Smith - UC Berkeley  
*Cache Memories*  
HLO2 Cafeteria

**July 1 - 10 a.m.**

John Bruno - UC Santa Barbara  
Paul Eggert - UC Santa Barbara  
*An Abstract Data Type Unix*

**July 7 - 3 p.m.**

Bill Johnson - Digital  
*Digital Culture*

**July 8 - 10 a.m.**

Ed Balkovich - Digital  
*Athena: A Digital/MIT Partnership for Engineering Education*

**July 12 - 3 p.m.**

Jonathon Rosenberg - MCNC  
*VIVID - A Vertically Integrated VLSI Design Environment*

**July 14 - 10 a.m.**

Sri Sriram - Digital  
*Digital/ESG's Role in the Electronic CAD Marketplace*

**July 14 - 3 p.m.**

Richard Lary - Digital  
*Intelligent I/O Controllers*  
HLO2 Cafeteria

**July 15 - 10 a.m.**

Chris Kirkham - University of Manchester  
*Recent Results from the Manchester Data-flow Project*

**July 22 - 10 a.m.**

Jim Rowson - VLSI Technology, Inc.  
*Logic to Silicon Composition System*

**July 25 - 10 a.m.**

Robert Wagner - Duke University  
*The Boolean Vector Machine*

For updated information, please call Judy Hunt, DTN 225-4071, WAFER::HUNT.

## Learn design by documentation

**A Systematic Approach to Digital System Design** treats the subject of digital design as one of "Design by Documentation." The basics of combination and sequential circuits are covered in a systematic manner. This class will help participants develop techniques, documentation and a process that makes design efforts more manageable and predictable for both the designer and management. While design techniques for VLSI are not addressed, many of the concepts may be considered applicable. It is offered August 15-26 in Hudson at a cost of \$1500.

For more information, contact Cathy Laboissonniere, DTN 225-5706, HLO1-1/S07, WAFER::LABOISSON.

## Professional 300 series holds Advanced Development Day



Advanced Development Day included many demonstrations on communications, flat panel displays, graphics, human interface and voice technology. Here Dave Burkhart (left) and Kerry Matthew (right) from the Laboratory Data Products group demonstrate a Real-Time Interface Module for the Professional 300 series. The module provides three common types of interfaces in one package for laboratory use.



Sandy Giorgetti and Stan Chmielecki watch a demo on a Rainbow 100 color graphics option terminal which will be available in August. Ray Wallace (sitting) provides technical advice.

### In-House Field Service offers disk inspection and cleaning

In-House Field Service is offering disk media inspection and cleaning for RL01, RLO2, RKO5, RKO6 and RKO7 disk drives at Digital sites on a scheduled basis. This service can represent substantial savings in media replacement, equipment damage, lost time and irreplaceable data.

Contamination is the number one cause of disk problems. Even under the best conditions, surfaces collect minute dust and smoke particles that force heads to ride above their normal flying height. The first sign of this problem is an increase in data retries, slowing data throughput. Data checks occur as contamination increases. Finally, the head flying pattern becomes erratic, and a head crash is likely. When a crash occurs, you will not only lose data on the media that was running, you will also damage your back-up media if you load it on the same drive.

Media maintenance can help to improve the performance and reliability of your storage system. With media maintenance, each pack will be inspected and cleaned twice a year by a preventative maintenance specialist.

For further information, contact your local In-House Field Service branch.

## Technical seminar

### June 30

3:00 - 4:30 p.m.  
DEC 10-20 Conf Rms.  
MRO1

### Yale Array Processor: A Dual Processor

Architecture Project with VAX 11/780 & FPS-164  
Dr. Martin Schultz - Yale University

### July 7

3:00 - 4:30 p.m.  
DEC 20 Conf Rm  
MRO1

### Designing the Customer Installed Software System

Susan Szepan - Digital  
Spitbrook

### July 21

3:00 - 4:30 p.m.  
DEC 10-20 Conf Rms.  
MRO1

### Automatic Problem Decomposition for Parallel Processing

Josh Fischer - Yale University

### July 28

3:00 - 4:00 p.m.  
DEC 10-20 Conf Rms.  
MRO1

### A Humanistic Technology

Videotaped Wide Screen Presentation  
Admiral H.G. Rickover

### Upcoming Courses

### July 11-22

8:30-5:00 p.m.  
MRO3 Lecture Hall

### Computer Architecture

Yale Patt, Digital  
\$300/week

Week I - Basic

Week II - Advanced

For more details and enrollment forms contact Gereda Pruitt at DTN 231-6769.