

digital

MAYNARD

# DIGITAL THIS WEEK



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## Top-of-the-line VAX 8650 is unveiled

### CPU is 44 percent more powerful than VAX 8600

Digital last week introduced its most powerful VAX computer system, the VAX 8650. The new central processing unit (CPU) is 44 percent more powerful than the VAX 8600 CPU introduced last year, and up to six times more powerful than the VAX-11/780 CPU, the industry standard for 32-bit computers. In key single-user benchmarks, the VAX 8650 has demonstrated performance up to 53 percent more powerful than the VAX 8600 processor.

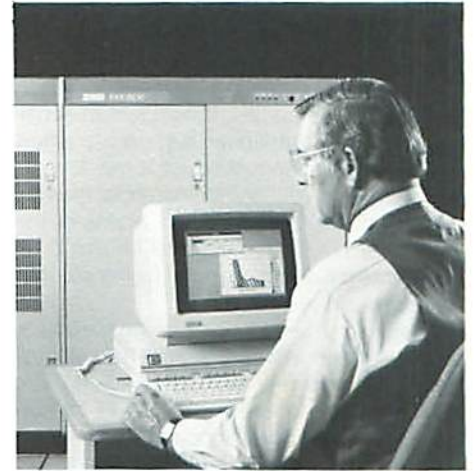
The new system is functionally equivalent to the VAX 8600 and runs the complete line of VAX/VMS software. The VAX 8650 is a powerful, general-purpose 32-bit computer which, when integrated into a networked computer system and VAXcluster, provides

a problem-solving power exceeding that of most mainframe systems.

The VAX 8650 is priced from \$475,000 with volume availability in 90 days. Digital also announced for availability in April a field installable upgrade kit for VAX 8600 units. This is priced at \$125,000.

"The VAX 8600 has clearly been an unequivocal success in the market, based on more than 1,000 systems shipped in 12 months to new and existing customers," said Bob Glorioso, vice president, High Performance Systems and Clusters. "Today, the new VAX 8650 delivers a predictable, secure growth path with an added dimension of power and performance demanded

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*The VAX 8650 is 44 percent more powerful than the current high-end best-seller, the VAX 8600.*

## Digital named Official Computer Vendor of NFL

Digital has been named the Official Computer Vendor of the National Football League (NFL). Under terms of the exclusive, four-year agreement, each of the NFL's 28



member teams has received a MicroVAX II computer or equivalent credit towards a larger VAX system. The NFL plans to use Digital's ALL-IN-1 Office and Information System software on the system.

Each team's VAX computer will be linked via Digital's DECnet/Ethernet network to a powerful VAXcluster at NFL headquarters in New York. The MicroVAX II systems can be used as stand-alone computers or to support individual teams' needs for multi-user systems. They are currently being installed in each team's home office.

"This agreement caps more than two years of study by the league to expand its computer capacity by creating a common office and information system and a communications network between member clubs and league headquarters," says John Schoemer, NFL Treasurer.

"With the installation of a MicroVAX II or larger VAX computer and ALL-IN-1 software

*(continued on page 7)*



*In his traditional visit, Santa Claus will greet the audience at the Christmas at Pops performance.*

## Digital sponsoring Pops holiday concert

Digital has made possible an "Evening at Pops" holiday concert special for viewers of WGBH, Channel 2 in Boston. On Christmas night, December 25 at 9 p.m., WGBH and the Boston Symphony Orchestra, Inc., will present "A Christmas at Pops," a gala concert under the direction of Boston Pops conductor John Williams.

Ken Olsen, president, says, "It is indeed a privilege to be associated with such cultural treasures as the Boston Symphony Orchestra, the Boston Pops and WGBH-TV. The

'Christmas at Pops' concert is truly a holiday tradition, and our support for it is Digital's way of extending our wishes for the holiday season and our hopes for the new year to the hundreds of thousands of people of all faiths who will view the broadcast."

"We deeply appreciate Digital's continuing support of Evening at Pops," says Boston Symphony Orchestra general manager Thomas W. Morris. "These holiday concerts are a Boston tradition, and we are delighted

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## Digital's new MicroPDP-11/83 extends customers' investments

Digital's new MicroPDP-11/83 computer is designed for PDP-11 computer users who wish to extend their resources to a new high-performance level, while protecting their investment in PDP-11 architecture and software. As Digital's most powerful Q-bus 16-bit-wordlength computer, the MicroPDP-11/83 provides both OEMs and end users in a wide variety of application areas with more performance and storage capacity than previously available. The new system's computer resources can be shared by up to 33 users, and the system can be configured to more than 1 gigabyte of mass storage.

The enhancements include a new processor chip set, a new floating-point accelerator, and a high-speed pathway to a new state-of-the-art semiconductor memory. Targeted to technical and commercial markets, including offices and small businesses, the MicroPDP-11/83 is also ideal for use in real-time applications in manufacturing plants and laboratories.

The MicroPDP-11/83 is being introduced in the 15th anniversary year of the original PDP-11 computer (see related article). Programs written for the initial PDP-11 can be run on the very latest models.

Complete MicroPDP-11/83 systems are priced from \$34,360 for a desk-side version, to \$53,420 for a large-cabinet version. First shipments are scheduled for December.

Abbot Gilman, MicroPDP-11/83 Product manager, says, "The PDP-11 is the world's most popular computer in its class. Since its introduction 15 years ago, more than half a million computers in the family have been shipped. The MicroPDP-11/83 incorporates the latest technology to provide PDP-11 computer family users with even higher performance."

The new computer is the first Q-bus PDP-11 computer available with Digital's high-capacity, high-performance disk storage peripherals. Both a 456-Mbyte nonremovable and a 205-Mbyte removable-media disk drive can be connected to the MicroPDP-11/83 system, which is particularly effective for applications where a great deal of disk operations are required, such as in engineering or commercial databases.

System elements include Digital's new 18-MHz chip set and a new Private Memory Interconnect (PMI). The PMI provides the system with a high-speed data path between processor and memory. A new error-correcting memory further enhances the system's reliability.

Concurrently, Digital announced enhancements for its MicroPDP-11/73 computer system. The mid-range MicroPDP-11/73 system has been bolstered by new higher-density memory boards and the

capability to use the 71-megabyte 5.25-inch storage disk and 95-megabyte streaming tape subsystems, available also for the MicroPDP-11/83 and MicroVAX II, that provide significantly faster system performance.

The enhanced MicroPDP-11/73 computer is available in rackmount, desktop, and floorstanding versions. The rackmount version with 1 megabyte memory is priced from \$10,100, with complete floorstanding systems priced from \$18,045. Deliveries are scheduled to begin in late November. ■

### The PDP-11: happy 15th birthday

The PDP-11 computer is 15 years old. First introduced in 1970, it quickly became an industry standard because of its innovative design. The first, the PDP-11/20, was designed around a unique communications pathway, the Unibus, that tied processor memory and other system elements together. This architecture was a radical departure from conventional minicomputer design, enabling various system elements to intercommunicate much more efficiently.

PDP-11 computers became widely embraced by OEMs and end users. The computers were used in a broad spectrum of applications, including engineering, medicine, manufacturing, business, communications, and education. In time, more powerful and lower cost Unibus-based PDP-11 computers were introduced. The PDP-11 became one of the world's most popular 16-bit-wordlength computers.

The PDP-11 family was extended to the micro world in 1975 with the introduction of the LSI-11 board-level microcomputer. The LSI-11 used a modified PDP-11 architecture, substituting the Q-bus pathway for the Unibus. The LSI-11 was also available as a packaged computer, the PDP-11/03. More powerful and lower-cost micros followed.

Continuous improvements in central processor, memory, and peripheral device technologies have kept PDP-11 computers price/performance leaders, building increasing performance on a stable computer architecture. Today, PDP-11 computers employ single-chip processors that took several circuit-card modules on the PDP-11/20. All are software compatible; software developed for the early PDP-11 systems runs on the latest models.

Today, there are more than a half-million PDP-11 computers at work, ranging from single-board units to complex, multi-user systems with multiple racks of peripheral devices. PDP-11 systems are used in almost every major area of human activity. All can tie to Digital's local and wide area networks, thus sharing resources with VAX computers. Digital's ongoing commitment to protect its customers' software and hardware investments is clearly evident in the design and evolution of the PDP-11 family. By maintaining consistent bus structures, new processors could be incorporated into already existing systems and system designs. Additionally, both Digital and other manufacturers have been able to design equipment to interface with the buses with confidence that future processors would be able to accept them. ■

### Digital to sponsor Pops holiday concert . . .

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to bring them to an even greater audience." Adds Henry Becton, Jr., president and general manager of the WGBH Educational Foundation: "Quite simply, it is only because of Digital's generosity and support that we are able to broadcast this very special program."

As a special part of the "Christmas at Pops" concert, Digital has invited 90 special needs school children from the Worcester area and 140 disadvantaged children from the greater Fitchburg area to attend the live performance, which will take place December 20 at noon. The children will be served lunch aboard buses en route to Symphony Hall in Boston, where they will enjoy the fes-

tive performances. After the concert, Digital will host a visit with Santa Claus for the children. Employee volunteers from the Marlboro and Westminster facilities will act as chaperones.

Highlighting this year's "Christmas at Pops" concert will be appearances by the Vienna Choir Boys and the Tanglewood Festival Chorus.

In addition to funding the holiday special, Digital has again awarded a grant toward the planned production of the 1986 season of "Evening at Pops." Digital has been national underwriter for this popular summer entertainment series for the past five years. ■

#### DIGITAL THIS WEEK



Send stories, photos, ideas or suggestions to DTW, CFO2-3/K23 or call the editor at DTN 251-1307. Ads must be submitted in writing to Marketplace, CFO2-3/K23. Please direct all Marketplace inquiries to 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.



## Patriots' Darryl Haley helps United Way efforts



Digital's United Way fund-raising efforts got a jumbo-sized lift from New England Patriots offensive tackle Darryl Haley, a 1985 United Way representative, who recently addressed employees in Wilmington. A football autographed by Darryl was among the prizes raffled off. John Sims, vice president of Personnel and 1985 United Way Key Executive, also spoke to the crowd.

## DEC Carolers will perform at various facilities

The Maynard Area DEC Carolers have announced the performance schedule for their 10th season. All performances will take place at lunchtime, in lobbies, cafeterias and hallways.

Date	Site
Monday, December 16	PKO3
Tuesday, December 17	Littleton (specific facilities TBA)
Wednesday, December 18	BGO
Thursday, December 19	OGO *
Friday, December 20	CFO1 and CFO2
Monday, December 23	PKO2 and PKO3
Tuesday, December 24	MLO *

\* Joint performances with Hudson DEC Carolers and Spit Brook Singers. ■

## Employees cautioned against holiday drinking and driving

The U.S. has one of the highest rates of automobile accidents involving alcohol in the world. Each day, 71 people are killed and 2,000 people injured in alcohol-related accidents. Anyone could be victimized by a drunk driver. Groups such as Students Against Drunk Driving (SADD) and Mothers Against Drunk Driving (MADD) have begun to address this issue with a self-help person-to-person approach, and there are other programs in place to assist the drunk driver and his or her victims.

As the holidays approach, the Maynard Area Employee Assistance Program offers several suggestions for responsible drinking behavior and hosting at parties.

For example, if you drink slowly, your body has an opportunity to "burn off" the alcohol. This process works at the rate of about one drink or 1 ounce of alcohol per hour. You can also slow the rate at which alcohol gets into the system by eating before or while drinking. If you find that you have exceeded your limit, stop drinking and eat something to allow your body to get rid of the alcohol and wait. The most important message of all is -- don't drink and drive. If necessary, ask a non-drinking friend to drive or call a cab to get home.

As hosts, you should plan to provide food or snacks while the party is underway and allow people to mix their own drinks with a shot glass, so as not to overdo the strength of the drink. It also makes sense to provide a non-alcoholic beverage alternative. Closing the bar an hour or so before the end of the party can cut down consumption when guests are starting to head home. Don't let guests leave intoxicated; arrange a ride for them or ask them to stay the night. Being a responsible host may be the best holiday gift you can give to

your guests.

For more information, call the Maynard

Area Employee Assistance Program at  
DTN 223-4439. ■

### Alcohol consumption: Know your limits

This chart shows what your Blood Alcohol Concentration (BAC) would be, based on body weight and the number of drinks consumed over a two-hour period. This information should be used only as a guide, as each person's tolerance for alcohol also depends on food intake, use of medication, and physical and psychological condition.

Body weight (lbs.)	Number of drinks (over two-hour time period)									
	1	2	3	4	5	6	7	8	9	10
100	1	2	3	4	5	6	7	8	9	10
110	1	2	3	4	5	6	7	8	9	10
120	1	2	3	4	5	6	7	8	9	10
130	1	2	3	4	5	6	7	8	9	10
140	1	2	3	4	5	6	7	8	9	10
150	1	2	3	4	5	6	7	8	9	10
160	1	2	3	4	5	6	7	8	9	10
170	1	2	3	4	5	6	7	8	9	10
180	1	2	3	4	5	6	7	8	9	10
190	1	2	3	4	5	6	7	8	9	10
200	1	2	3	4	5	6	7	8	9	10
210	1	2	3	4	5	6	7	8	9	10
220	1	2	3	4	5	6	7	8	9	10
230	1	2	3	4	5	6	7	8	9	10
240	1	2	3	4	5	6	7	8	9	10

- BAC is less than .05**  
Drive cautiously.
- BAC is between .05 and .10**  
Depending upon state laws, you may or may not be legally drunk (in Massachusetts, the limit is .10). Impulsive behavior is present at lower end of range, and judgment and coordination are seriously affected as you approach .09.
- BAC is .10 or more**  
You are legally drunk in any state. Overall condition is severely impaired. Driving is out of the question.



# THE MARKETPLACE



## APPLIANCES

REFRIGERATOR, brown, good working condition, \$150, Marie, 276-8164

GAS DRYER, Lady Kenmore, white, good condition, \$75, Joe, 264-5656

PORTABLE WASHER, apt size, 1 yr old, works great, Eva, 223-3204

STOVE, electric w/clock & timer, almond color excl cond, \$200, Kathy, 274-6951

## CARS

'82 Toyota Tercel, auto, air cond, 61K, am/fm, \$3600, Elaine, 223-8287

'84 CAMERO, white, 5spd, auto, V6, a/c, tilt whl, nice car, ask \$7500, Karen, 223-4437

'82 SUBARU GLF model, black, 2dr, 5spd, excl cond, \$5500, Elizabeth, 244-6200

'79 BUICK Regal, 2dr, ps/pb, am/fm st, orig ownr, \$2700, b/o, Dean, 297-4222

'77 CHEV MONTE CARLO Landau, wht/red, snrf, new br/shks, runs great, low mi, \$2600, b/o, Robert, 297-6781

'79 AMC CONCORD, Audi eng, 4 cyl, a/c, 4dr, no rust, gd cond, \$1700, George, 229-6640

'84 VOLVO DL, 4 spd with o/d, 36K mi, exc cond, \$10,500, Linda, 229-6579

'79 FORD Mustang 4spd, br new turbo, many options, nice cond, 81K, \$2400, b/o, Tom, 223-2253

'75 FORD Maverick, slvr blue, 107K mi, sm rust, not insp asc 7/84, sold as is, \$500, b/o, Linda, 289-6823

'83 TOYOTA SUPRA, A-1, snrf, leather, ful loaded, low mi, \$11995, Gerry, 289-1958

'78 SUBARU Wagon, 4x4, great in snow, \$500, b/o, Sue, 234-5245

'82 SUBARU GL 4dr wgn, maroon, rf rok, defog, st, new rads, 35mpg, 4spd, 4 whl dr, a/c, \$4995, Dan, 225-4279

'80 SUBARU GL 4dr, 5spd, a/c, ater, 35mpg, 59K mi, one ownr, all records, \$2100, Dave, 225-6856

'76 PINTO, need cam job, good tires/parts, b/o, John, 223-5736

'80 AUDI 4000, 4spd, 4dr, stereo, s/r, a/c, good cond, \$3800, b/o, Wayne, 223-7553

'84 PONTIAC FIERO, a/c, other options, blk/pinstrp 15K mi, 3yr warr, \$8700 firm, Nancy, 244-6552

'82 FORD F150 Supercab Pickup w/cap, 6 cyl, 45K mi excl cond, \$5500 or b/o, Beth 283-6312

'84 OLDS TORONADO, loaded w/options, velour int, 21K mi, excl cond, \$14500, Doreen, 249-4400

'77 SUBARU 2 dr, 4spd, for parts, lots of parts, make offer, Steve, 297-6033

'79 HONDA ACCORD, 5 spd, htchbk, orig ownr, have maint recds, gd cond, \$1800/b.o, Ed, 249-4226

'82 CHEV CAV STA, 22K mi, a/c, am/fm, exc cond, frnt whl drive, \$6000, Sally, 278-4221

'84 PONTIAC FIERO, SE, blk, 4spd, snrf, tilt whl, a/c am/fm cas, exc cond, 24K, \$9000 firm, Dennis, 223-5872

'77 VW Rabbit, 4 spd, f/1, 2dr, 147K, runs fine, \$950 or b/o, Bob, 223-5805

'80 FORD GRANADA GHIA, \$3000 or b/o, little rust, Sheila, 223-9976

'75 CHEVY EL CAMINO, 8 cyl, p/s, p/b, tilt whl, cap, a/c 25Kmi, rebtl eng, \$2000, b/o, Paul, 296-3885

'82 FIREBIRD, exc cond, auto, p/s, p/b, a/c, am/fm, tilt whl, hvy duty susp, \$6500 firm, Mike, 272-7309

'72 VALIANT, vry gd run end, 1 Calif ownr, new radia /2 tires, 4dr, auto, sm rust, 69K \$600, Irene, 223-6631

'84 SUBARU GL Stawgn, blue, 5spd, snrf, am/fm, air, p/s p/b, cruise, Rusty Jones, 27Kmi, \$7500, Bob, 244-6479

'81 CHEVETTE, 2dr, 4spd, 64K mi, \$1650, Joe, 275-6195

'82 BUICK REGAL, exc cond, 26K mi, 2dr, V6, a/c, \$6500, Nancy, 297-6041

## FURNITURE

ANTIQUICKER SET, 2 chrs, loveseat, round table, \$800, Mary Ann, 251-1549

SOFA w/MATCHING CHAIR, colonial, brwn, blue, gold nylon fabric (like new), \$390, Larry, 234-4304

DINETTE SET, exc cond, drk formica top, 4 swivel chrs & leaf, 52 X 70 w/leaf, seats 6, \$175, Sue, 244-7781

SECTIONAL SOFA, L-shape, brwn w/15 print earhtone thrw pillows, too lge for rm, \$450/b.o, Linda, 233-1328

THAYER COGIN DINING SET, chrome/glass tble, 6 chrs, buffet, etagere, best offer, Mike, 244-7754

ANTIQUICKER OAK CURIO, glassed sides, three shelves, mint cond, \$525 firm, Judy, 223-3652/223-3800

QUEEN ANN DINING RM, tbl, 4chrs, 75 yrs old, \$1000; DANISH MOD DR RM TBL, sts 10, \$150/b.o, Mary, 297-6008

KITCHEN SET, formica butch blk, w/6 vinyl chrs, 1 leaf, chrome legs, exc cond, \$200/b.o, Terri, 282-2547

LOVESEATS (2), off wht, nubby woven cotton, can be convert to 1 couch & 1 chr, \$500/b.o, Paula, 297-6811

CONTEMPORARY LIVING RM, dining rm, bdrms suite, ktchn table, hope chest, Barbara, 221-5226

## MISCELLANEOUS

PILLSBERRY CARDNELL WOOD STVE, used 2 seas, takes 18" log, inclds screen/access, \$475, Linda, 235-3460

CHORD ORGAN, Hammond Swinger, incl bench/music, Great fun for beginner, Ginny, 278-4022

SEARS CRTM 7 1/2" tilt table, adjust, new 1/2 hrs motor, w 3 blade Dado Set, ask \$100, Gloria, 223-6454

SNOWBLOWER, Yardman, model 7040, 22" two stage side discharge, 10 yr old, \$50, b/o, Shiva, 223-4242

REEL/REEL DECK, TEAC A2300S, extras, \$75; Elac/Mira-ord trntble w/cart, \$50, exc cond, Gerry, 289-1958

DIAMOND RING, 1c round solitaire, superb, \$2995, Tom, 251-1003

PENNY LOAFERS, Men's, Cole-Haan, 9B, all leather, worn 5-6 times, wrng fit, \$79.50/new, ask \$50, Paul, 262-8312

SHEEPSKIN CARSEAT CVR, fits Mazda RX7 seats, \$40; 35mm Camera, never used, \$35, Diane, 269-2125

SNOWTIRES (2), 4 ply polyester, G78-15 ms, very good tread, \$50 pr, Joyce, 257-1343

NIKKOR LENS for Nikon, 43-86 Zoom F3.5, exc cond with UV filter, \$100, Adrian, 229-6267

MAG WHEELS, 4 15" rims for Ford Truck, (F100), \$30 ea, Roger, 249-4960

BIRDCAGE, complete w/bird toys, bird seed, bird gravel, good cond, \$15, Jon, 381-2136

REEL TO REEL tape deck, TEAC X-10R, bi-directional record/play, useable, nds work, ask \$400, Kim, 297-7125

35mm SLR ASAHI PENTAX outfit, incl SLR/50/wide angle/135 & 300 mm lens/+ more, \$350, Joe, 244-7574

JOTUL 602 WOOD STOVE, excl cond, \$200, Paul, 223-3548

SNOW TIRES (2), P205/75D14, on rims, excl cond, \$50/pr, Dave, 244-6245

ALL LEATHER WOMEN'S BRIEFCASE, \$20, Diane, 269-2125

SAMPLE PACKAGED TOYS, brand new, great stocking stuffers for Christmas, half price, Crash, 223-5215

BICYCLE, 10 speed, men's, 23", white, upright style handle bars, \$99, Ken, 278-4823

WOOL RUGS, (2), 9x11, one green, one tan, exc cond, \$100 for both, Karen, 251-1859

## PETS

AKC REGISTERED AKITA PUPS, champ pedig, m/f, blacks, fawns, brindles, very flashy pups, David, 237-2143

HORSES BOARDED, quality care, large box stalls, located in Northboro, \$165, Michelle, 297-5862

## REAL ESTATE

BOOTHBAY HARBOR, ME, new contemp, 3bdrm, 2b, \$118,500; Cust col, 4bdrm, 2 1/2 bath, \$149500, Julie, 297-5938

ASSABET VILLAGE, Hudson/Marlbro, 6rm twnhs, immac, 1 1/2b, hrdwd fl, gar, exc cond, \$179500, Rob, 246-1204

WORCESTER, multi-family, owner financing, Fran, 243-4446

W PALM BEACH, FL condo, 4 yr old, 1 bdrm, 2 bths, rec facils, \$39900, Ira, 223-7424

LAND, WESTFORD 2.77 acres, abuts conervation, very prvt solar lot, \$125K, Dan, 275-6424

OSSIPEE, NH, 5.2 acres, 2 buildable lots, walk/lake, marina, perked, abuts conser, \$19K, Dale, 223-6566

## RECREATIONAL VEHICLES

'83 LAYTON LITE CAMPER, 20' Self contain w/awning, used 2 mos, exc cond, \$8500, Gene, 225-6569

## RENTALS

FITCHBURG, 6rm apt, 1st fl, new kit, d/w, disposal, w/d hwd fl, no pet, offstpk, \$650/mo-util, Gale, 244-6724

MARLBORO, 1ge 1 bdrm condo, w/w carpet, d/w, a/c, pool 2mi/MRO, avail imme, \$595 inc ht/hw, Janet, 264-4370

SKI CHALET, WHY MTN, ful furn, frpl, slps 8, nr/Loon, Cannon, Monteau, Brettn Wda, \$450/wk, Marcia, 297-6337

HOLLISTON, 3bdrm, 1bath ranch/quiet street, avail imme, \$790-util, Rozita, 223-5343

ST HAARTEN CONDO, slps 4, all amenities, 5\*resort, 3/15-3/22/86, \$1250, Nancy, 235-3336

ATTITASH MTN, Bartlett, NH, studio condo, slp 4, fpic, kit, pool, sauna, cble, reserve wk/wknd, Mike, 279-6623

BURLINGTON, Beacon Village, lrg 1 bdrm, a/c, d&d, new w/w & paint, pool, ten, \$645/mo inc ht, Mike, 283-7668

KILLINGTON, Ski house avail mid wk, on access road, slps 12, from \$300, Emil, 223-9936

CAPE COD, W DENNIS, enjoy a quiet wknd, luxury efficiency condo, \$50 wknd, Gary, 236-2516

HUDSON, 3 rm apt, 1 1/2mi/495 on 62, new renov, 2nd fl of 3 fam, offst pk, \$450-util, Janice, 241-3060

WHITE MTS CONDO, slps 8-10, free shuttle/Loon, nr Cannon/Wrvl, \$300 w/e, \$520/wk, Dave, 297-4613

KILLINGTON, Ski hse share, avail Nov-May, \$650, 12 members, on access rd, Emil, 276-9936

SUGARBUSH, VT, ski condo, ski to/from slopes, nr/vill slps 5, frplc, Bill, 223-9811

ACTON, 1 bdrm Woodvale condo, new remod, priv ent, \$675/mo, inc ht/hw/cook, Elaine, 234-4408

MAYNARD, 2 bdrm condo, all applian inc, Indry facil, newly redec, walk/Mill, \$625/mo, Marcia, 274-6765

## ROOMMATES

F, 21+, share 2bdrm twnhse, Pelham, NH, near Rt 93, avail immed, \$238 + 1/2 util, Michelle, 284-3189

M/F, nonsmkr, share 2 bdrm/Windsor Village, Waltham avail 11/19, \$430/m + elec, Brett, 247-3030

M/F, nonsmkr, share 3bdrm/Windsor Village, Waltham, furn, avail 12/1, \$315-375, Ted, 229-6655

M/F, nonsmkr, share 2bdrm apt, pool, tennis, undgrnd pks, Framingham, \$320+1/2 util, avl 12/1, Mike, 223-2569

M/F, nonsmkr, prof, no pets, 2bdrm, colon hse/Sudbury, quiet neigh, \$350/mo incl util/extras, Pete, 283-6230

F, share 4bdrm house/Pepperell, Ma, 2bth, hot tub, \$375 incl util, Bill, 297-5736

F, nonsmkr, share Shirley log hse w/f ownr, 2 rms, fl bth for you, deck, \$550+ 1/2 util, Pat, 283-6365

M, share 2bdrm condo w/priv shower, kitch priv, Acton, nonsmkr, Douglas, 223-5624

Non-Smoker, share lux 2bdrm twnhse, Clinton/Bolton line, 10 mn/495, Bruce, 225-5928

M/F, 2 bdrm ranch, Framingham, pets ok, \$400 + 1/2 util, Maureen, 241-3552

M/F, 25+, non smkr, share 3 bdrm hse, \$300/mo, on 495, Bellingham, avail 12-1, Van, 234-5380

M, nonsmkr, prof, quiet, no pet, shr lg 3 bdrm hs, \$310 +1/3 util/chore, Marlboro, ref rqd, Bimal, 229-6992

## SPORTING GOODS

18'FIBERGLSS SILVERLINE BOVRIDER, 90 hrs Mercury, fl cabn, sts 7, all accos, \$5500/b.o, Barbara, 279-5516

HIKING BOOTS, men's sz 10, good cond, very sturdy, \$30, Carol, 237-3525

GYMNASTICS BALANCE BEAM, practice beam, 12', built to specs, new end, \$20, Carol, 234-4298

## WANTED

SNOWSHOES & BINDINGS, good cond, Lindsay, 272-2790

BARBIE DOLL CLOTHES, used, in good cond, to buy/borrow/love, Ann, 223-3212

BUILDING LOT in Acton or Boxborough, approx 3-5 acres, Pat, 249-4200



## news briefs

### New DTN for LTN

Effective December 16, the DTN code for the LTN facility (Foster street, Littleton) has been changed from 229 to 226. When calling an employee at this site, please dial DTN 226 and the last four digits of the telephone number listed in the personnel section of the Digital Telephone Directory. The outside number for the LTN facility will remain the same: (617) 486-6111. ■

### Deadlines for 'Digital This Week'

Deadlines for Digital This Week have been established to help employees plan events and publicity around certain editions of the paper. Deadlines do not pertain to Market-Place, which is first come, first served. The next two issues and deadlines for DTW:  
Dec. 23 issue — Dec. 11 deadline ■  
Jan. 13 issue — Jan. 1 deadline ■

### Fun day for United Way at Stow

More than 75 employees recently spent their lunchtime running, walking and dancing in support of the United Way. Drawings were held for those who had pledged and for participants in the Fun Day. Sharon Keillor, chairman, presided over the festivities. The Stow facilities reached over 45-percent United Way participation. ■

### Westminster has record-breaking United Way campaign

Digital's Westminster facility broke all its past records for United Way contributions by raising \$5,548.03. This year's campaign was a tremendous success due to the many assorted activities that were held: publication of a cook book, bake sale, car wash, craft olympics, trivial pursuit, sports events, and a fun run/walk. ■

### Turkey distribution continues through next week

The traditional distribution of holiday turkeys began at some New England facilities last week, and it continues through this week and next. Employees are reminded that they can only receive their turkeys at the facility where they work, on the date specified. A turkey card is distributed with each employee's paycheck the Thursday prior to the scheduled distribution date, and must be presented to receive a turkey. Posters in each facility provide exact locations, dates and times. ■

### Aviation Services offering charter flights only during holiday week

Scheduled aviation service will not be conducted from December 22 through January 1 because of the Christmas season. Demand charter flights will be available on request. To make a demand charter, call Aviation Services at DTN 223-6163 or DTN 223-6563.

Employees are also reminded that the use of Digital aircraft for any purpose not directly related to pursuit of the corporation's business is strictly prohibited. Specific restrictions include employee vacation travel, employee family travel (except relocation) and employee commuting (except relocation). Relocation requires the approval of the operations manager or chief pilot, who can be reached at DTN 249-4976. ■

### Call for Manufacturing R&D proposals

The Manufacturing Research & Development (MRAD) Committee is accepting proposals for funding for the second half of FY86. MRAD, established for the purpose of encouraging new ideas and innovation within the Manufacturing environment, grants seed money for short-term projects which may be high risk but show potential for high payoff. Projects must be completed in the FY86 time frame.

Those interested in submitting proposals for consideration should contact June MacArthur, MRAD administrator, at DTN 225-5632, or on the ENET at CDR::MACARTHUR, for a copy of the guidelines to be used and a list of MRAD Committee members. Proposals must be received no later than January 10. ■

### Diabetic screening program offered this month

December is Diabetes Awareness Month, and Marlboro Cluster Health Services is offering a Diabetic Screening Program. Please check with your local Health Services for the date and time of the screening at your site. ■

### DCU home equity loans available for up to \$150,000

Lines of credit secured by a second mortgage are now available up to \$150,000 at the lowest interest rate the Digital Credit Union has ever offered. The 12.5-percent rate allows members to use the increased value, or "hidden savings," in their homes as a way to finance investments, college expenses, a second home, etc.

The "Home Grown Loan" gives DCU members access to all the equity in their property, while paying interest only on the portion borrowed. Funds are withdrawn simply by writing a check against the line of credit. No additional approvals or paperwork are necessary. As money is repaid, it becomes available again.

For more information, call the DCU Customer Service Center at DTN 223-8444 or (617) 493-8444; or the second mortgage department at DTN 223-6735 or (617) 493-6735. ■

### Colombian relief donations eligible for Matching Gifts

In the wake of the recent volcano disaster in Colombia, Digital will match, dollar for dollar, any employee cash donation to 501(c)3 non-profit organizations which are accepting funds for Colombian relief efforts.

A \$10 minimum donation is required for matching gift eligibility. Checks made out to the appropriate organization should include "Colombian relief" in the memo space. Matching Gift forms are available from local Personnel representatives. ■

# educational opportunities

## Office Applications Training January course schedule

All course locations are PKO3-1/Pole 8H unless otherwise specified. Dates are subject to change.

Please note prerequisites (PR) stated. Equivalent experience may be substituted for the stated prerequisite.

### Concepts

Keyboard Techniques (5 days-2 hrs/day)  
Jan 13  
Intro to Computer Concepts (1 day)  
Jan 7, 30  
Successful Business Automation (3 days)  
Jan 27

WPS Strategies & Presentations (2 days)  
[PR: Working knowledge of WPS or WPS-PLUS advanced functions] Jan 20  
DECmate Demo Skills: Multiplan/DAISY AIDS (1 day) [PR: Working knowledge DECmate II WPS, CP/M, Multiplan] Jan 7

### Micro Computer Training for Managers

Rainbow Basic User Operations for Managers (2 days) MRO: Jan 6  
Rainbow Applications for Managers (3 days) [PR: Rainbow Basic User] MRO: Jan 8  
Basic Word Processing for Managers (1 day) [PR: Keyboard Techniques] Jan 10, 22, 30

### Multi-Function Office Systems

ALL-IN-1 Systems Overview (1 day)  
Jan 13, 27  
ALL-IN-1 Document Processing (1 day) [PR: A1 Systems Overview] Jan 28  
ALL-IN-1 WPS-PLUS (1 day) [PR: A1 Systems Overview] Jan 31  
ALL-IN-1 Electronic Messaging (1 day) [PR: A1 Systems Overview] Jan 29  
ALL-IN-1 Desk Management (1 day) [PR: A1 Systems Overview] Jan 14, 30  
PRO Office Workstation (2 days) [PR: PRO Basic User; VAX Utilities & Commands; ALL-IN-1 Support Seminar]

### Electronic Mail and Communications

DECmail (1 day) Jan 15, 20, 29  
DECmail for EMS Users (2 hours) Jan 9  
ALL-IN-1 Electronic Messaging (1 day) [PR: A1 Systems Overview] Jan 29  
ALL-IN-1 Desk Management (1 day) [PR: A1 Systems Overview] Jan 14, 30  
PRO Communications (1/2 day) [PR: PRO Basic User] Jan 8, 31  
DECmate Communications (1/2 day) [PR: Basic WPS] Jan 17  
Easycom (1 day) [PR: Working knowledge DECmate II CX option; logon procedures for host system] Jan 31

### Intro to Hardware and Software

Intro to VAX (2 days) Jan 2, 9, 13, 22, 27  
Basic User Operations for the Professional (1 day) Jan 6, 30  
Learn Rainbow (1 day) PKO: Jan 21, 23, 27  
MRO: Dec 23; Jan 15, 20

Rainbow CP/MTM (1 day) [PR: Learn Rainbow] Jan 31

### Document Processing

EDT (1 day) Jan 7, 31  
RUNOFF (1 day) [PR: EDT] Jan 6, 27  
Basic Word Processing (3 days) [PR: Keyboard Techniques] Jan 13, 27  
Basic WPS for Managers & Supervisors (1 day) [PR: Keyboard Techniques] Jan 10, 22, 30

Advanced Word Processing (1 day) [PR: Basic WPS] Jan 16  
Rainbow Advanced WPS-PLUS (1 day) [PR: Rainbow Basic WPS-PLUS] Jan 31  
Math (1 day) [PR: Basic WPS] Jan 23  
Master Menu (1 day) [PR: Basic WPS] Jan 6

### Financial Modeling

DECcalc (2 days) [PR: Intro to VAX] Jan 6, 13  
SUPERCOMP-TWENTY® (2 days) [PR: PRO Basic User] Jan 9  
Rainbow Multiplan® (2 days) [PR: Learn Rainbow] PKO: Jan 16  
MRO: Jan 27

DECmate Multiplan® (2 days) Jan 8

### Business Graphics

DECgraph (1 day) [PR: Intro to VAX] Jan 8, 23  
DECslide (1 day) [PR: Intro to VAX] Jan 17, 22, 28  
ATHENA/graph® (1 day) [PR: PRO Basic User] Jan 7  
Overhead Express (1 day) [PR: Working knowledge of the Rainbow] Dec 23, 30; Jan 6, 20  
PRO/SIGHT (1 day) [PR: PRO Basic User] Dec 23, 30; Jan 22

## Update Seminars from Ed Services

### VMS, V4 Update Seminar (EY-2311E-S0)

On December 18, Seminar Programs is offering this seminar in Cambridge at the Hyatt Regency. For registration information, call DTN 249-4949.

This seminar is the fourth major release of the VMS operating system with over 92 enhancements in the features area and implementing the second phase of the VAXcluster program. In this seminar, current users of VMS V3 will be introduced to new VAX/VMS facilities in the areas of hardware support, clusters, data privacy and security, and performance.

The three-day seminar is designed to train VMS V3 users, operators, managers, and programmers to corresponding levels of expertise on V4.

### RSTS/E Version 9 Update Seminar (EY-2331E-S0)

The last offering of this seminar is on December 18. For registration information

### Integrated Applications

Lotus 1-2-3® (2 days) [PR: Learn Rainbow] PKO: Jan 2, 7  
MRO: Jan 2, 16, 21  
Advanced Lotus 1-2-3 (1 day) [PR: Lotus 1-2-3] PKO: Jan 13, 22, 28  
MRO: Jan 23

### Database Management Systems

DATATRIEVE I (1 day) Jan 8, 15, 20, 21, 29  
DATATRIEVE II (2 days) [PR: Intro to VAX; DATATRIEVE I] Jan 9, 22, 30  
DATATRIEVE Report Writer (1 day) [PR: DTR I] Jan 2, 16, 21  
VAX VTX Information Provider (3 days) [PR: Intro to VAX] Jan 6  
VAX VTX System Operator (2 days) [PR: VAX VTX IP] Jan 9  
dBase II® (2 days) [PR: Learn Rainbow] Jan 14, 29

### To Enroll:

Please fill out the OA Internal Enrollment Request, available in the OA Catalog, or on flyers, and mail it to the OA Registrar, PKO3-1/B11. For further information, call the Registrar at DTN 223-2872 or 223-5820.

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call DTN 249-4949.

This is the biggest single release of this operating system to date. RSTS/E now provides even more hardware support and many new software features. This seminar explains many of the new V9 software features that offer much more VAX/VMS operating system compatibility, such as many new DCL commands and a new command processor.

The hardware support capabilities of RSTS/E have been expanded to include the streaming support for TU80 and other Digital tape drives. It also provides asynchronous I/O for tapes and disks. In addition, a new backup utility is being offered to utilize the streaming feature. Presented by members of the RSTS/E development team, this seminar brings the user up to date with the latest changes and enhancements included in RSTS/E V9.

Anyone directly involved on a technical or operational level with the upgrading of a RSTS/E system from V7.2 or V8.0 to V9.0 should attend. ■



## Stress and depression during the holidays

For most people, the holiday period is a time for gaiety, fun, laughter, social and family gatherings. But for people struggling with separation or divorce, the loss of a loved one, financial problems, work pressures or other personal problems, the holiday time can be especially difficult. Rather than feeling joyous and happy, some people are troubled with feelings of loneliness, isolation, anxiety and depression. Lack of energy, inability to concentrate, listlessness, boredom, difficulty sleeping and generally feeling "out of sorts" can all be indications of depression. What is depression? Do we always

know if we are depressed? How do we recognize it? What can we do about it?

The Stow and Bedford Employee Assistance Programs are each presenting a lunch-hour seminar on stress and depression during the holidays. These seminars are open to all employees and their families; just bring lunch. They will start promptly at 11:45.

Location	Date
Stow Pilot Grove Conf. Room	12/9
Bedford Worcester Room ■	12/11

capacity of the new VAX 8650 and the VAX 8600 has been more than doubled from the previous VAX 8600 maximum of 32 million to 68 million bytes (Mbytes), expandable in 4- and 16-Mbyte increments.

A fully expanded VAX 8650 or VAX 8600 addresses 4 billion bytes of virtual memory, manages 160 billion bytes of on-line storage, and accommodates 512 direct communication lines and many more through terminal servers.

Digital also announced new versions of its VMS data base management and relational data management systems with full support of VAXclusters and distributed processing, and a series of VAX Information Packages designed to simplify the implementation of VAX-based systems for MIS management, users, and software developers. ■

best suits its individual needs. Because every member of our VAX family of computers can participate in the network and run the same applications without modification, each team's investment in computer equipment and software will be protected in the future as their needs expand. For example, software development will be minimized since non-strategic applications such as player waiver information and game statistics can be shared among teams and migrated to larger VAX systems."

While some clubs had no computer systems prior to the agreement, most already have minicomputers from Digital or other vendors. With DECnet/DOS, those teams which already have IBM personal computers can fully participate in the network.

The NFL recently installed two VAX 11/780 systems running ALL-IN-1. These systems will be host to the network and are used by the league to file, update, and distribute player profiles, waiver lists, and statistical analyses essential to the player draft system. ■

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## VAX 8650 is introduced . . .

(continued from page 1)

by information managers.

"The VAX 8650 is designed to bring the VAX solution to the most demanding applications involving large numbers of simultaneous users needing access to common files and a high level of computation. This system, along with the high performance available to the user from Digital's networking and VAXclusters, continues to be a highly sought-after computing solution in the marketplace," Bob continued.

The VAX 8650 is expected to accelerate Digital's market penetration into office automation, computer integrated manufacturing, commercial data processing, information management systems and transaction processing, as well as fortifying Digital's traditional areas of strength — the scientific, engineering, and research markets.

### Memory expansion, new software

Digital also announced that main memory

## Digital is NFL's top pick . . .

(continued from page 1)

at each club, we are applying the modern tools of business to professional football," Schoemer adds. "With common electronic mail and word processing software at all sites, we have gone beyond the scope of our original concept for our network expansion. This is only the first step towards a complete, totally compatible and flexible communications system.

"Professional football today is a large and complex business enterprise. Twenty-eight team franchises — operating in close coordination with one another and the league — generate, maintain and share information on schedules, player status, game statistics, and routine correspondence. In addition, individual teams have the need for information management of their financial, budgeting, ticketing, scouting, coaching and training functions — all of which can put tremendous demands on the organizational resources of both the league and individual team front offices," Schoemer says.

Chick Shue, vice president, U.S. Area Sales, says, "This agreement builds on the strengths of Digital's networking capabilities while providing the flexibility for each team to create the business and office system that



Call the following DTN numbers to join these routes.

### VANPOOLS

#### ACTON(AKO)/MAYNARD/LITTLETON (LKG)

From Amherst, NH, Doug Ryder DCV #06, 288-7606

#### ANDOVER/TEWKSBURY

From Maynard, Acton, Littleton, Dave Harding DCV #116, 289-1101

#### BEDFORD

From Acton, Boxboro, Concord, Maynard area, Ron Woolhiser DCV #113, 249-4336

#### MARLBORO

From Worcester, Bruce Roseen DCV #89, 231-6001

From Boston, Brookline, Cambridge, Rob Davis DCV #124, 297-6496

From Townsend, Lunenburg, Fitchburg, Leominster, (7:30-4:00) Bill Kilgore DCV #4, 297-7184

From Arlington (St. Camillus Church), to MRO/UPO/HYO, Paul DeFazio DCV #143, 259-3921

From Newton, Watertown, Waltham, Brookline, Danny Mayer DCV #119, 297-6045

Nashua, NH, Westford, MA, Jim Mahan DCV #148, 297-4446

#### MAYNARD

From Plymouth, Marshfield, Rockland, Braintree, Jack Carter DCV #1, 223-3679

From Peabody, John Mitchell DCV #107, 275-6367

From Forest Hills, Jamaica Plain, Brookline Village, Brighton, Cleveland Circle, Chestnut Hill, Needham, Rt 9, Frantz Jean-Gilles DCV #139, 223-8405 (Ivs. MLO at 4:30)

#### MAYNARD/CONCORD

From Marlboro, Hudson, Bob Johnson DCV #127, 251-1945

#### MAYNARD/STOW

From Spencer, Worcester, Joe Backus DCV #150, 223-3949

From Chelmsford, Lowell, Rich Berger DCV #132, 223-4281

From Brockton, Quincy, Stoughton, Canton, Dedham, Needham via Route 128, riders and BACKUP DRIVERS NEEDED, contact Mary Ellen Dervan DCV #131, 223-9619

From Sterling area, Clinton, Kathie Nickerson DCV #149, 223-2025

From Burlington Route 128 area, Bruce Judson 276-9232

From Milford, Holliston, Hopedale area, Bob Figuerido DCV #102, 223-3678



