

digital

MAYNARD

# DIGITAL THIS WEEK



Volume 12, Number 7

April 15, 1985



In the Northboro mailroom where she works, Star McClain stands with her twin brother Dwayne, who helped lead Villanova University to the NCAA basketball championship.

## The McClain family has more than one star

Dwayne McClain, star of Villanova University's NCAA champion basketball team, recently dropped in on his twin sister Star, who works at Digital's NR03 facility in Northboro.

A Worcester native, Dwayne helped lead unranked Villanova to one of the greatest upsets in college basketball history over top-ranked Georgetown University in the NCAA finals. He signed autographs and chatted with employees at NR03 the day after meeting President Reagan in Washington and four days after the Wildcat's historic victory.

Star, a Digital employee since last year, was something of a celebrity herself last month when she competed in the Miss Massachusetts-USA Pageant. Star was chosen "Miss Amity" by her fellow contestants. She works in the Printing & Circulation Services mailroom. ■

## Digital to construct thin film head facility

Digital will break ground this May for a 110,000 square foot thin film magnetic head engineering and manufacturing center in Shrewsbury. It will be part of the Storage Systems Technology Center.

According to Grant Saviers, vice president, Storage Systems Engineering and Manufacturing, "This addition is an important step in our plan to continue our leadership position in disk storage technology. We started in this direction four years ago, and we now have a skilled engineering and process development group that is well established, along with a pilot manufacturing group. Permanent facilities for the organization are now necessary to complete the plan, which includes providing a manufacturing capability."

The building and equipment will be highly specialized to enable fabrication of thin film structures, similar to those used in semicon-

ductor manufacturing. Development and pilot manufacturing for the thin film heads have been temporarily housed within the Hudson, Mass., semiconductor engineering and manufacturing facilities.

The thin film heads will be used in magnetic disk drives for the VAX and PDP-11 computer families.

"Continued evolution of 'leading edge' disk drives is highly dependent upon a timely source of state-of-the-art magnetic heads. Our investments in the thin film head process is part of a sequence of investments in key storage technologies, including thin film media operations in Tempe, Arizona, and Colorado Springs, Colorado," Grant added.

The new facility is expected to be completed by July 1986, and will employ approximately 200 individuals. ■

## Digital wins \$3-million contract from Lawrence Berkeley Laboratory in California

Digital has signed a \$3-million computer system contract with the Computing Division of the Lawrence Berkeley Laboratory (LBL), Berkeley, Calif.

The contract, won on a competitive bid, calls for Digital to supply a VAXcluster system of five VAX 8600 computers, DECnet/Ethernet communications capabilities, 20 gigabytes of disk storage, and systems and software support to Lawrence Berkeley Laboratory's scientific computing center.

Digital's VAXcluster system will replace the principal computer in LBL's Central Facility, a 10-year-old Control Data Corporation mainframe. Funding for the new Digital system will be provided through a Department of Energy contract with the University

of California.

The Digital VAXcluster system will be used for both batch and interactive computing in program development, text processing, numerical computations, and interactive graphics.

Lawrence Berkeley Laboratory, a national multi-discipline scientific laboratory, plays a major role in conducting large-scale research programs that are appropriate for an energy research laboratory. Relying on highly integrated, multidisciplinary teams of scientists and engineers, LBL attacks formidable problems with massive concentrations of human resources and machine power in both pure and applied science. Eight researchers from LBL have won Nobel Prizes. ■

## Syracuse University and Digital launch \$15-million computer network

Syracuse University and Digital have signed an agreement to create a campus-wide computing network that will link the University's 14 schools and colleges, and provide convenient access for more than 8,000 students living in campus residence halls.

Details of the agreement were outlined by

Rose Ann Giordano, vice president, Large Systems Marketing, and John James Prucha, SU vice chancellor for academic affairs, at a press conference.

Through the partnership, Syracuse will acquire \$15 million of computing and networking resources from the entire Digital

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Peter Rabbit paid a visit to the Corporate Communications Group at CF01 on Friday, April 5th. Fifteen babies were presented with candy and balloons at the lunchtime party which was arranged by Corporate Public Relations. Shown from left to right are Sharon Pelton, Peter Rabbit, Lewis Karabatos and Mary Burek holding daughter Kaitlin.

## ICP 200 report gives Digital high marks

Digital was reported as the company with the broadest scope of software products and services in the latest survey conducted by International Computer Programs, Inc. (ICP).

ICP characterizes its report as portraying the top 200 vendors of software products and software-related services without regard to the vendors' primary line of business. The sixth annual survey of the ICP 200 lists Digital in every business class, unique among all top 200 companies covered. Digital moved

up to second position in terms of software products and services revenues.

The basis of the ICP report were data from vendors' annual reports, Dun & Bradstreet reports, and Standard & Poor's. The information was compiled by ICP's market research department.

The range of top software products and services companies has been extended to 200 companies from an original 50 when the awards were first issued, in response to the rapid growth of the computer industry. ■

## Syracuse...

*Continued from page 1*

product line over the next three years, with emphasis on VAX architecture hardware. This will make possible the evolution of a sophisticated computer network.

The network will initially consist of a VAX 8600 and during the next four to five years

will include computer aided design (CAD) laboratories, computers for general purpose processing and clusters of computers for graphics. The network will extend into the four dormitory sectors of the Syracuse campus, giving resident students convenient access to the system.

The network will provide computing for the natural sciences, computer sciences, engineering, human services and the arts.

A major factor in Digital's selection of Syracuse for a grant for campus-wide computing was the University's record of innovative research in such areas as logic programming, software engineering and artificial intelligence.

Syracuse is the lead institution in the CASE Center, where researchers use logic programming to build computer systems that simulate the reasoning of human experts in science, engineering and medicine. ■

## Larry Rossini named Corporate Human Resource manager



Larry Rossini

Larry Rossini has been named Corporate Human Resource Development manager, reporting to Charlene O'Brien, manager, Senior Development.

In his new position, Larry will be responsible for providing corporate leadership for human resource development; and managing the integration of management development activities between the Corporate Compensation & Development Committee, the Personnel Management Committee functions, and Digital Management Education's management training programs.

Larry joined Digital in 1981 as Group Development manager for Commercial/Technical Manufacturing. He was most recently Group manager, Human Resource Development for Computer Systems Manufacturing.

Prior to joining Digital, Larry was a manager and consultant with the management development consulting firm of McBer and Company. He holds a Ph.D. in psychology from Harvard University. ■

## Annual Digital hockey tournament this weekend

Hundreds of employees from across North America will converge on the Northstar Youth Forum in Westboro this weekend for the 1985 Digital Invitational Hockey Tournament. Fifteen teams in two divisions, all representing Digital sites, will vie for trophies in the sixth annual three-day, round-robin tournament beginning Friday evening.

Spectators are welcome, free of charge, to view the tournament action, which features "A" and "B" divisions (determined by caliber of play). The rink is located just off Rte. 9 in Westboro. The first of seven Friday night games faces off at 6 p.m., pitting the defending A division champion Mill Northstars against the Stow Puckbusters. Twenty-three games will be played Saturday, continuously on both rinks from 7 a.m. until 9 p.m.

Each team will play four games Friday and Saturday, with eight teams advancing to Sunday's A and B division semifinals. The B division championship will be played at 10:45 a.m. Sunday, followed by the A division title game at noon. Each of the finalists will have played six games in three days.

Among the entrants are Digital teams from Kanata, Ontario; Montreal; Burlington, Vt.; and various other New England sites. The Kanata Raiders will be out to recapture the A division title they held for four consecutive years until the Mill won it a year ago. ■

## DIGITAL THIS WEEK



Editor: Jane Littlejohn

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.

## Employees encourage future engineers through high school visiting program

This spring, a group of Digital women engineers are participating in a High School Visiting Program designed to inform high school students about the opportunities available in the fields of science and engineering, and the importance of a strong math/science background in their future college and working careers.

For five years, teams of volunteers from the Society of Women Engineers (SWE), the Association of MIT Alumnae (AMITA), and other professional groups have visited high schools in the Greater Boston area to speak to students about their personal and professional experiences, and to share the role their educational background has played in their life and work. The program especially encourages young women students to con-

tinue studying math and science beyond the minimal requirements. Last year, volunteers from SWE and AMITA visited 68 public and private high schools.

Digital is a corporate sponsor of the Society of Women Engineers, a non-profit educational service organization which has professional members nationwide who are dedicated to the advancement of women in engineering. The Boston section of SWE holds monthly meetings, and is open for membership to both men and women engineers and engineering students. For more information on SWE, or the High School Visiting Program, contact Robin Mosher at DTN 282-2207 or on the ENET at VIKING::MOSHER. ■

## Movie 'Adam' to be shown again April 29

The movie "Adam" will be re-aired on NBC at 8 p.m. on April 29 for an unprecedented third time. Thirty-eight million households have already seen "Adam" and the immediately following roll call of names and pictures of 55 missing children. As a direct result of the two previous airings, 27 of these missing children were recovered.

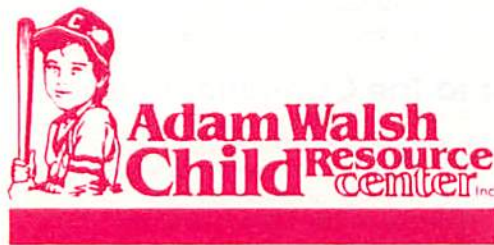
Another roll call of missing children has been compiled for the April 29 rebroadcast. The National Center for Missing and Exploited Children in Washington, D.C. will provide their toll free hot line number over the air to accept information on missing children regardless of the circumstances.

"Adam is a true story. After his abduction and death in 1981, the Adam Walsh Child

Resource Center was established in Fort Lauderdale, Florida by his parents. John and Reve'Walsh have committed and dedicated themselves to increasing public awareness and lobbying to effect changes in the laws to make America safer for all children.

Last July Digital's Corporate Contributions Committee awarded the Adam Walsh Child Resource Center an equipment grant toward the acquisition of a VAX 11/750 to be used for data compilation and research. In March a DECmate II was donated to the center to be auctioned at a fundraiser to raise program and research funds. In addition, many Digital employees have volunteered their time and knowledge to the center to assist in the development of education and preventative programs for children and parents.

Any contribution to the Adam Walsh Child Resource Center, 1876 N. University Drive, Suite 306, Fort Lauderdale, Florida 33322 will be matched through Digital's Matching Gift program. Matching Gift program forms are available through local personnel offices. ■



## Digital to help sponsor Maynard Road Race

Again this year, Digital will help sponsor the Maynard 10k Charity Run Road Race, hosted by the Maynard Elks, on Sunday, May 19 at 1 p.m.

The race will feature a separate Digital employees division with prizes and trophies for the first three male and female employees to finish, as well as a special team category.

All money raised will be donated to local

charities and this year's goal is to raise more than \$2,000.

The race is limited to 1,000 runners, the first 300 will receive t-shirts and the next 700 race hats.

Applications are available at most Digital facilities as well as the Will Dodd Community Center in Maynard, and can be obtained by calling Don Crowther at DTN 223-6531 or Roy Gould at DTN 276-9742. ■



## Digital's lowest-paid employee is a feline

Digital's lowest-paid and youngest employee, Pepper A. Feline, a four-and-a-half year old female cat, is in charge of rodent control for Low End Regulatory Engineering (LERE) at the Boylston Barn Federal Communications Commission (FCC) Test Site, which is headquartered at the Mill. Her badge number is 00001 1/2, and she puts in seven days a week without vacations or holidays, so there is a liberal policy toward her cat naps. At times she is borrowed by the Headmaster's House Conference Center, also in Boylston, to do the same job in their basement.

## Chase Manhattan selects Digital

Digital and Chase Manhattan Bank have announced that Digital's systems will be the backbone of Chase Manhattan's Spectrum<sup>®</sup> home banking and information system. The Spectrum service uses Digital's VAX VTX videotex information delivery system for bill payment, portfolio management and other banking services.

Spectrum is the only home banking and information system in the New York market which allows customers to trade securities directly through an investment brokerage house. In addition, Spectrum's investment service provides up-to-date prices for NYSE, AMEX and OTC securities and leading market indicators.

The initial, \$2 million contract includes several VAX computer systems including two VAX 8600 superminicomputers in a VAX cluster configuration. Spectrum interacts with other computer systems in Chase Manhattan's account management network including the bank's IBM<sup>®</sup> mainframes. The system works with many different personal computers and does not require a dedicated videotex terminal.

Spectrum is a service mark of Chase Manhattan Bank. IBM is a registered trademark of International Business Machines Inc. ■



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

##### **ACTON (ACO)/MAYNARD**

From Derry, NH, Methuen, Andover, Lowell, Tewksbury (TWO), Tom Coughlan DCV #109, 223-2776

##### **ACTON (AKO)/MAYNARD**

From Framingham, Sudbury area, Jean Doherty DCV #3, 223-3425

From Amherst, NH, Doug Ryder DCV #63, 288-7606

From Salem, NH, Rick Jaeger DCV #138, 223-6120

##### **MARLBORO**

From Westminster, Ashburnham, Ashby, Pepperell, Townsend, Lunenburg, Fitchburg, Leominster, Bill Kilgore DCV #41 231-7184

From Nashua, NH, Westford, Jim Mahan DCV #148, 231-4446

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

From Fitchburg, Leominster, Steve Leger DCV #58, 279-5054

##### **MAYNARD**

From Arlington (St. Camillus Church), Judy Marcus DCV #115, 223-3161

From Leominster, Fitchburg area, Peter Morin DCV #147, 223-3242

##### **MAYNARD/CONCORD**

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

##### **MAYNARD/STOW**

From Brockton via Route 128, Al Petty DCV #131, 223-6012

From Allston, Brighton, Brookline, Newton, Joan Ewers DCV #105, 276-9071

From Lowell Plaza, Chelmsford via Route 27 (8:15-5:00), Rich Berger DCV #132, 223-4281

From Sterling area, Clinton, Kathy Nickerson DCV #86, 223-2025

##### **STOW**

From Arlington (St. Camillus Church), Brian Kennedy DCV #66, 275-6124 or Shelly Goldfarb, 276-9121

##### **TEWKSBURY/ANDOVER**

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

#### CARPOOLS

##### **BEDFORD**

From Cochituate, Cynthia Nadreau, 249-4060 ■

## Digital announces cooperative marketing agreement with GSI Transcomm

Digital recently entered into an agreement with GSI Transcomm of Pittsburgh, Penn., to cooperatively market their TOLAS<sup>®</sup> distribution and financial management software on Digital's VAX family of superminicomputers.

This addition to Digital's cooperative marketing offerings provides customers with a midrange product for the distribution and financial application space.

TOLAS software operates exclusively on Digital computers and is installed at over 200 sites worldwide. In 1984 TOLAS became a member of the prominent International Computer Program (ICP) Ten Million Dollar Club. This recognition of outstanding software sales is based on license fee revenue from proprietary software products through the end of 1983.

The TOLAS software package consists of 10 modules that support the distribution and financial management needs of customers. The modules are: order entry/invoicing, sales analysis, inventory management, purchase order management, accounts receivable, accounts payable, financial reporting and general ledger, fixed assets accounting, an inquiry and reporting system, which includes a personal computer interface, and the TOLAS SALESTREAM<sup>®</sup> remote access capability.

The TOLAS SALESTREAM remote access capability and the TOLAS Personal Computer Interface are distinctive features of the TOLAS software. These two features provide communication of vital up-to-the-minute information required by key personnel. In September 1984 GSI Transcomm announced TOLAS Version 6.0, which incorporates Digital's Record Management Services (RMS) file management software and provides customers with a product that

takes advantage of the latest VAX/VMS Version 4.0 capabilities, including VAXclusters.

TOLAS software is available immediately from GSI Transcomm and is priced by VAX model.

TOLAS software is targeted at companies that gross more than \$20 million in annual revenue; are manufacturers or wholesale distributors; need distribution application solutions that give them a competitive edge in customer service; want up-to-the minute information across their distribution function, and require an 80 percent application package functionally tailored to meet specific company requirements.

For more information on Transcomm's TOLAS software contact Robert Erickson, GSI Transcomm, (412) 963-6770 or Ken Massey, CAEM, (617) 467-6832, DTN: (617) 231-7832. ■

TOLAS and SALESTREAM are trademarks of GSI Transcomm.

## WPS users invited to share favorite applications

Experienced WPS users are invited to share their favorite applications so they may be published in a book and distributed to Digital employees and customers.

The goal of the applications book is to include a broad spectrum of applications including basic WPS, List, Sort, Math and Communications, as well as specialized applications developed by users for their individual job requirements.

All contributors will receive a gift as well as a special edition of the user book. For more information about the applications book, contact Darlene Skupien at MK02-2/F09 and DTN 264-5308. ■

## Employees invited to free visit to The Computer Museum

Digital employees are offered free admission to the newly-opened Computer Museum at 300 Congress Street in downtown Boston. The Computer Museum illustrates the impact of the Information Revolution through interactive exhibits of state-of-the-art computers, films, and re-creations of vintage computer installations. From the largest display, the SAGE air defense system, to the tiniest microchip of today's personal computers, the Computer Museum has something for everyone, from the dedicated "hacker" to the casual visitor.

The Computer Museum is open Wednesday, Saturday, and Sunday, 11 a.m. to 6 p.m., Thursday and Friday, 11 a.m. until 9 p.m. and is closed Christmas, New Year's Day and Thanksgiving. General admission is \$4 for adults and \$2 for students and senior citizens. Group tours are available by reservation, as are function facilities. A lecture series featuring speakers in the high technology field is also being offered. The Com-

puter Museum Store, located just off the first floor lobby, is open and features books, state-of-the-art jewelry as well as novelty gift ideas. For further Museum information, call (617)426-2800.

Any contribution of \$10 or more to the Computer Museum will be matched, dollar for dollar, through Digital's Matching Gift Program. Matching Gift forms are available from your Personnel Service Administrator. ■

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|  | <p>The Computer Museum<br/>300 Congress Street<br/>Boston, Massachusetts 02210</p> |
|  | <p><b>Admit One</b></p> <p>APRIL - JULY 1985</p>                                   |
| <p>Digital Equipment Corporation<br/>Valid only with presentation of badge</p> |  |



## APPLIANCES

- REFRIGERATOR, 14-cu.ft., Avocado, used very little, kept in cold storage, exc cond, \$200, John, 223-9812
- SEWING MACHINE, Sears Kenmore, operates and looks like new, exc cond, \$50, Lorene, 276-9260
- MICROWAVE OVEN, Litton 500 series, S/S, w/rack fr 3 meals, counter top nds repair, David, 231-7524
- PROPANE GAS STOVE, 30", avocado, glass wndw oven w/light, auto timer+clock, 10yrs old, Bamby, 225-5858
- ELECTRIC STOVE/OVEN, caloric, almond color, exc cond, \$150, Marcia, 274-6765
- REFRIGERATOR, Sears, 14 cu.ft., coppertone, auto ice-maker, 31X25", \$225, David, 264-5967
- REFRIGERATOR, side by side, vy gd cond, 7 yrs old, brown, \$125, B/O, Marie, 282-2027
- WASHING MACHINE, Kenmore 70, hvy duty, t/load, 8cyl 3wtr lvls, 2ws, 2ss, 1yr old, \$300, Linda, 231-5668
- VACUUM CLEANER, Sears upright, gd cond, \$30, Mitch, 237-3226
- AIR CONDITIONER, \$300, Alex, 223-2454
- CLOTHES WASHER, portable, hooks up to sink faucet, exc cond, yellow, \$110, Hagos, 231-5621

## CARS

- '80 TOYOTA CELICA ST, coupe, 4-spd, sunrf, AM/FM, rustprf, exc cond, \$3800, Pat, 234-5461
- '74 CHEVY VEGA S/W, 4-cyl, auto, orange, 87500mi, PS, runs gd, r/w dfr, \$350, B/O, Shiva, 223-4242
- '83 DODGE COLT, 4dr, HB, 4spd (twin stick), 36Kmi, exc cond, \$3995, Al, 231-6564
- '83 CHEVY CAVALIER, 4dr sedan, 4spd, AC, PS, PB, sunrf, AM/FM, clth int, \$6500, B/O, Seth, 229-6782
- '77 CHEVY VEGA, 58Kmi, auto, exc cond, \$1000, Tom, 223-4095
- '81 FORD ESCORT wgn, silver SS option, 4spd, AM/FM, cass, r/frack, r/wpr/wash/dfg, \$2500, Jim, 223-9609
- '59 ALFA-ROMEO Rdstr, exc body, rebilt TR6 eng, 0-mi, needs some assembly, \$1500, B/O, Nancy, 259-3906
- '84 BUICK SKYHAWK, mint cond, AM/FM, cass, cloth int, 10K mi, \$9000, B/O, Catherine, 223-4594
- '78 CAMARO, blue-green, 305 V8, AM/FM, auto, PS/PB, AC, no rust, exc cond, \$4200, Bob, 289-1834
- '79 PLYMOUTH HORIZON, 4dr, std, AM/FM, exc cond, \$995, Ken, 283-7627
- '80 PLYMOUTH HORIZON, hatchback, 4dr, std, 65Kmi, tan, reliable, gd cond, \$2300, B/O, Kaj, 259-3869
- '78 CHEVY NOVA, 8cyl, low mileage (50Kmi), vy gd cond, \$2700, Grace, 247-2938
- '77 TOYOTA DELUXE wgn, fully equip, 80Kmi, exc cond, \$3300, John, 234-4904
- '67 FORD MUSTANG, auto, 6cyl, red, ylw pin st, 75k res, new tires, snows, exh, \$2400, Albert, 282-2100
- '77 TOYOTA WAGON, mech. exc, new brakes, new trans, gd tires (new front), \$1200, Jim, 278-4649
- '82 HONDA ACCORD hatchback, 5spd, AM/FM, cass, 40Kmi, lver, exc cond, \$6500, B/O, Jim, 269-2407
- '80 CITATION, 4dr hatchback, V6, std, AM/FM, PS/PB, clean, econ, exc cond, \$3500, B/O, John, 223-9772
- '82 SUBARU GL, 4dr, sedan, 46Kmi, AM/FM, sunrf, no rust, exc cond, \$4400, B/O, Dianne, 288-7770
- '83 FORD RANGER, 4spd, 31Kmi, AM/FM, cloth int, Ziebart, fibrglass cap, extras, \$5500, Leo, 269-2127

- '82 MUSTANG GL hatchback, 6cyl, auto, PS, PB, AM/FM, T-roof, 42Kmi, exc cond, \$5700, Richard, 284-3138
- '82 HONDA ACCORD, 4dr sedan, AC, AM/FM, stereo, rust-proofing, 46Kmi, exc cond, \$7200, Eddie, 288-6433
- '77 CHEVY NOVA, 4dr, tan, 52Kmi, studded snows, gd cond, \$1800, B/O, Lori, 223-4047
- '79 SUBARU wagon, 5spd, vy gd cond, front whl drive, \$2,000, Brian, 279-5200
- '83 TOYOTA COROLLA, 5spd, AM/FM, avg mpg 35, vy gd cond, \$5000, Ray, 237-2201
- '80 CHEVETTE, 4dr, auto, radio, A/C, upholstered interior, 42Kmi, exc cond, \$2700, Lisa, 237-3330.
- '74 CHEVY SUBURBAN, 4-whl dr, V8, auto, nvr plowed, mech sound, nds body work, 95Kmi, \$1500, Pat, 223-6762
- '83 PONTIAC 1000, 2dr hatchback, 5spd, AM/FM, rw/dfg, 23Kmi, exc cond, \$4500, B/O, Elaine, 276-9008
- '81 SUBARU GLF, 2dr, black, has most options, new brakes, just tuned, B/O, Rocco, 231-4489
- '84 CHEVY BLAZER, 4x4, red, PS, PB, Tahoe pkg, Ziebart, 5spd, AM/FM, 13Kmi, exc cond, \$10200, Brian, 231-5509
- '80 CAMARO 2-28, wh w/blue int, 40Kmi, T-top, power wndw, door, A/C, dfg, tilt whl, \$7200, Bruce, 223-4109
- '78 DATSUN B210 sedan, 2dr, 4spd, AM/FM, new tires, new batt+exh, tune-up, 60Kmi, \$2000, B/O, Wes, 282-2179
- '78 CHEVY CAMARO, 6cyl, auto, PS, gd tires, new batt, AM/FM, cass, dk gr, gd cond, \$3700, AnnMarie, 223-8657
- '81 FORD GRANADA GLX, wh/red int, sunrf, AM/FM, cass, AC, exc cond, 47500Kmi, \$4750, B/O, Darrel, 282-2375
- '79 CUTLASS BROUGHAM, 2dr, PS/PB, AM/FM, stereo, power wndws, gd cond, \$3500, Anne, 234-4615
- '78 BUICK REGAL, 2dr, 6cyl, A/C, AM/FM, cass, auto, white, exc cond, \$3200, B/O, Windy, 292-2041
- '83 CELICA GTS, A/C, PW, lk, ant, r/w wash, wip, dfg, AM/FM W/EQ, 5 spks, immaculate, Mark, 237-3466
- '81 DATSUN 200SX, loaded, snows, 4 new rads, 62Kmi, spent 2 yrs in GA, \$4,500, B/O, Julie, 221-5019
- '76 CUTLASS, 4dr, auto, PB, PS, AM/FM, cass, 4 new rads, 95Kmi, vy reliable, \$1700, B/O, Dave, 223-8573
- '82 CHEVY CAVALIER wgn, 4spd, r/w dfg, AM/FM, silver w/maroon int, exc cond, \$4000, B/O, Jim, 276-9563
- '75 DATSUN P.U., dependable, rec. insp, gd tires, new spare, tool box, drive away, \$950, Hank, 223-3849
- '80 SUBARU BRAT, 4-whl dr, vy gd cond, rebilt eng, new clutch, brakes, exhaust, \$2500, John, 231-4369
- '62 MERCEDES BENZ 220S, Southern car til 1981, partially rebilt, sunrf, \$2250, Suzanne, 231-4965
- '76 PINTO wgn, 2dr, 62Kmi, new cltch, pres. plate, shift, radiator, runs well, \$900, Stephen, 247-2297
- '78 PONTIAC SUNBIRD, 4cyl, 42Kmi, AM/FM, tape, AC, PS, r/w dfg, no rust, exc cond, \$2900, Carol, 231-2297
- '75 HONDA CB360T, bought new Spring '77, 8000Kmi, tuned up+ready to go, \$570, Lissa, 231-7166
- '81 FORD CUSTOM F100, 6cyl, auto, AM/FM, snows, Cap, low mi, exc cond, no rust, \$5600, Mary, 288-7761
- '79 HONDA PRELUDE, 5spd, AM/FM, elec moonrf, r/w dfg, new brakes, \$3000, Barbara, 226-7168
- '81 VW RABBIT, LS, 4dr sedan, Diesel, AM/FM, 5spd, tan, exc cond, \$3000, B/O, Roy, 223-2784
- '81 MAZDA B-2000, 4spd, AM/FM, cass, cap, brown, vy gd cond, 63Kmi, \$3600, Dave, 228-2076
- '75 CAMARO, auto, 90Kmi, nice interior, new radials, some rust, \$1,000, B/O, Betsy, 274-6430
- '75 DODGE DART sport, 2dr, 6cyl, std w/ovrdr, low mi, FM, new exh, runs like a top, \$995, Jerry, 264-3650

- '76 MERCEDES 240D, classic dark green, A.T., A/C, S/R, AM/FM, exc cond, \$9200, Janet, 276-9961
- '75 DATSUN B210, Fla car, 69Kmi, new parts, high mpg, nds work, \$500, B/O, Jay, 229-6482
- '82 FORD ESCORT, 4dr, 4spd sedan, gd cond, 45Kmi, \$3000, Mike, 231-4943
- '79 FORD MUSTANG hatchback, 4spd, 4cyl, AM/FM, new exh, Cooper radials, lt. blue, \$2400, B/O, Susan, 285-6247
- '76 DODGE VAN, 6cyl, AM/FM, little rust, runs great, many extras, \$1700, Jon, 235-3269
- '75 CORVETTE, gold, T-top, 4spd, exc cond, 60Kmi, new paint & many new parts, \$9,000, Linda, 237-3301
- '79 TOYOTA Corolla hatchback, 5spd, AM/FM, cass, new rad+brakes, 85Kmi, runs gr, \$2250, B/O, Jim, 247-2241
- '83 CAMARO LIMITED, T-top, low mi, ovrdr, stored winters, 3yr unlim mi warranty, \$8995, Jim, 23-7160
- '77 OLDSMOBILE STARFIRE, 6cyl, AC, stereo, PS, PB, tilt whl, exc cond, hi mi, \$1000, B/O, Luigi, 223-6791
- '79 SUBARU, 4X4, 4spd, AM/FM, cass, roof rack, rear defog, \$2500, B/O, Steve, 231-6033
- '73 MERCEDES 450SL, gold/black top, alloy wheels, no rust, like new, \$13500, B/O, Tom, 223-2592
- '82 DODGE AIRES wgn, 44Kmi, A/C, cruise con, AM/FM, luggage rack, new rad. tires, \$5195, Bob, 476-8215
- '83 HONDA PRELUDE, red, auto, sunrf, 15Kmi, \$9950, B/O, Jerry, 231-4632
- '78 FORD LTD, 9-pass. wgn, red, AM/FM, A/C, r/w dfg, new tires, runs exc, \$2250, B/O, David, 273-3323
- '80 TOYOTA COROLLA hatchback, 5spd, AM/FM, new tires & battery, \$3600, B/O, Lilly, 249-4424
- '75 CHEVELLE MALIBU, 350 V8, hi mi, AM/FM, new tires, batt, exh, vy gd cond, \$900, B/O, Julie, 231-6760
- '78 DATSUN truck, 5spd, w/cab, excellent body & mechanics, \$1695, B/O, Theresa, 292-2250
- '79 CHEVY CAPRICE station wagon, AM/FM, radio, A/C, roof rack, good cond, B/O, Joan, 234-4856
- '72 PLYMOUTH SATELLITE wgn, auto, radio, one owner, gd engine, \$500, B/O, Pete, 249-4595
- '80 CHEVY MONZA, std, black, AM/FM, cass, orig owner, 59Kmi, vy gd cond, \$1800, Stephanie, 229-6688
- '81 PLYMOUTH RELIANT, 4dr sedan, 1-owmr, PS, PB, AC, AM/FM, cass, new tires+br, \$3900, B/O, Denny, 259-3899
- '83 CHEVY CAVALIAR wgn, 4cyl, std, cloth int, roof-rack, front-whl drive, gd mpg, \$5000, Dave, 229-6407
- '77 FORD F100 PU, 8'bed w/cap, new eng, 37Kmi, new clutch, paint, exc cond, \$3100, B/O, Donna, 276-9148
- '83 TOYOTA CAMRY, 4dr, 5spd, 4cyl, PS, AM/FM, hi mpg, 22Kmi, beige, exc cond, \$7500, Dennis, 279-5335
- '77 VW RABBIT, org owmr, hi mi, 4spd, FWD, new batt, AM/FM, no rust, sticker, \$1000, B/O, Andrea, 282-2222
- '73 BUICK REGAL, all power, 455 CID, 80Kmi, decent condition, B/O over \$600, Jerry, 279-5080
- '84 FORD RANGER, V-6, power brakes, power steering, lots more, Dorothy, 282-2688
- '78 DATSUN B210, 2dr std, A/M, Arizona car, exc cond, 69Kmi, \$2000, Renee, 292-2506
- '77 DODGE ASPEN wgn, 6cyl, auto, PS, PB, roofrack, r/def, exc cond, 75Kmi, \$1600, B/O, Steve, 236-2352
- '82 TRANS AM, red, t-rf, A/C, AM/FM, cass, many power options, 25Kmi, vy gd cond, \$9100, Paul, 237-3403
- '83 VW WOLFSBURG JETTA, Spec. Edition, 5spd, 4cyl, AC, AM/FM, BMW, cass, 25Kmi, \$7500, George, 275-6114
- '79 SUBARU DL Wagon, 5 speed manual, some rust, 66Kmi, \$1500, Sandy, 276-9696

'83 RENAULT LE CAR, 2dr, 4spd, 35mpg, AM/FM/cass, exc cond, 23Kmi, org owner, \$2795, Connie, 285-6204

'81 PLYMOUTH RELIANT wgn, PS, PB, AC, AM/FM, 2. GL eng, auto, exc cond, 42Kmi, \$4350, Grant, 223-9765

'77 NOVA, 4dr, 51Kmi, gd cond w/studded snows, rear defroster, PB, PS, \$1500, B/O, Lori, 223-4047

'79 VETTE, L82, 4spd, ylw/blck, lthr int, PS, PB, FW, AC, AM/FM/cass, lug, rack, 30Kmi, \$12900, Bill, 276-9244

'76 DODGE ASPEN wagon, auto, SE, PS, PB, AM/FM, 79Kmi, gd cond, \$2000, Barry, 223-6009

'78 OLDSMOBILE CUTLASS Calais, 2dr, V-8 305 4spd, std, silver/burgundy, exc cond, \$2000, Bette, 273-3253

'75 MERCEDES 240D, std, low miles on engine, exc condition in + out, \$6500, Bob, 223-5705

'78 DATSUN 810, loaded, reliable, reg. gas, low mi, many extras, exc. transp, \$2900, Sujit, 223-1300

'78 VW Dasher, 4spd, sunroof, AM/FM/cass, 110Kmi, 30mpg, exc cond, \$2400, Jean, 221-5457

'81 SUBARU Brat 4x4 Pickup w/cap, 43Kmi, silver/blue, \$4500, John, 276-8387

'80 BUICK CENTURY wgn, auto, 4.9 ltr, 58Kmi, new tires, respayed, AC, PB, PS, \$4200, Neville, 247-2647

'81 DATSUN 280 ZX, org owner, AC, AM/FM/cass, 4spkrs, silver/red int, exc cond, \$8800, Dave, 223-3259

'83 FORD ESCORT L, 4dr, std, AC, rw/dfg, undercoat, exc cond, \$4100, Art, 274-6993

'79 SUBARU wgn, 5spd, exc gas mi, new radial snows, new brakes, \$2,000, Brian, 278-4000,

'72 PLYMOUTH 4dr, good reliable transportation, needs some work, \$250, B/O, Marge, 231-7408

'79 OLDS CUTLASS CALAIS Diesel, rebilt eng/30Kmi, new strtr, trans, A/C, \$3700, B/O, Sheryl, 231-7137

'81 TOYOTA TRUCK, 4X4, longbed w/cap, 5spd, new tires, fog lights, AM/FM, \$5500, Karen, 279-5537

'79 FORD MUSTANG Htchbck, 4spd, 4cyl, AM/FM, radials, new exh. system, lt. blue, \$2200, B/O, Susan, 285-6247

'77 DODGE Pickup, 100 Series, 8'bed, std 6cyl, no rust, new tires, cap incl, \$2500, B/O, Vito, 231-4389

'79 CHEVY CHEVETTE, Hatchback, 4dr, 4cyl, std, 120Kmi, needs work, \$1000, B/O, Joyce, 223-7472

'84 PONTIAC FIERO SE, fully loaded, low mi (12K), exc A1 cond, \$9875, Marie, 276-9823

'77 TOYOTA COROLLA, 5spd, AM/FM, white, 65Kmi, \$950, Dale, 276-8378

'79 SUBARU wgn, 5spd, silver w/luggage rack, gd cond, high miles, \$1700, B/O, Karen, 225-5270

'77 FORD MAVERICK, 4dr, 75Kmi, auto, PS, AC, \$1000, B/O Debbie, 225-4950

'76 DATSUN 280Z for parts, strong motor, fuel injection, \$1000/B/O, Jeffrey, 223-6831

'82 DODGE CHARGER 22, 4spd, sunfr, AM/FM/cass, rw/dfg, Chapman, black+red, \$4200, B/O, Chuck, 231-6752

'77 VW RABBIT, 4spd, AM/FM/cass, pearl/maroon, must see, exc cond, \$1995, B/O, Malcolm, 288-6146

'75 VOLVO 164, 6cyl, 4dr, leather int, 119Kmi, needs work, \$2000, Nancy, 237-2443

'77 CHEVY CAPRICE, 70Kmi, 1 owner, PS, PB, auto, AM/FM, silver/red, \$2400, Mary, 237-2341

'81 HONDA ACCORD HB, 5spd, AM/FM, new radials, no rust, no dings, exc cond, 1 owner, \$3900, Liz, 288-7509

'81 VW RABBIT, 4spd, 2dr, \$1300, Geoff, 225-6023

'80 BUICK SKYLARK V-6, 4spd, PS, PB, AC, stereo/tape, 37Kmi, wholesale price, Pat, 223-9574

'82 HONDA ACCORD, htchbck, 5spd, cruise, AM/FM/cass, w/eq, Ziebart, sk1/bk rks, \$6400, B/O, Keith, 289-1684

'79 HONDA ACCORD, 5spd, manual trans, exc cond except dent in front end, \$2400, Ed, 251-1223

'84 TOYOTA COROLLA SR5 sport, htchbck, 4cyl, 5spd, loaded, 23Kmi, like new, \$8800, B/O, Gary, 223-7129

'78 DATSUN 510 wgn, silver, cloth int, 4spd, AC, exc mech cond, some rust, 30mpg, \$2150, B/O, Russ, 273-3115

'74 VW BUG, 38Kmi on rebuilt engine, \$700, B/O, Bob, 223-5166

'77 DODGE VAN 318, 3/4-ton, PB, PS, AM/FM, tintd windows, ladder, rack, underloaded, \$1500, Peggy, 257-1230

'79 VW RABBIT, 2dr, 4spd, 89Kmi, blue w/lt. blue int, \$1900, Susan, 223-3894

## FURNITURE

VANITY, w/bench, adj mirror or tilt frame, 2 shelves, brass-pltd metal w/white shelv, \$50, Cindy, 282-2532

HUTCH, Mayflower, solid cherry, 2 pieces, 74"x54"x18", \$800, Margaret, 223-3299

SOFA, sleeper, 3-cush, trad. style, rust, less than 1 yr old, fab. warrnty 2 more yrs, \$300, Mary, 276-8382

WATERBED, queen sz, pine, 6-dr. ped, waveless matt, 2yr old, exc cond, htr incl, \$350, Jeanne, 223-5917

DESK, gd quality metal office desk, gray, \$75, Alice, 274-6665

WATERBED, king sz, (used 1yr), pine, free-flow matt, 6 dr, hdb-2tler shel, exc cond, \$400, Leslie, 231-6747

SOFA, 87" & LOVESEAT, 57", cream/wheat/choc. br/orange, vy gd cond, \$350, Paula, 223-4676

DINING ROOM TABLE, 42", solid pine w/2 12" leaves, \$150, B/O, Joanne, 275-6240

BEDROOM SET, Col. maple, chest, drsr w/mirror, full sz bed+matt, bxsprng, gd cond, \$350, Donna, 235-3333

SOFA & CHAIR, Colonial, brown/blue/gold, nylon, exc cond, \$500, Larry, 234-4304

TABLE w/leaf, 48" round formica w/chr. base, 4 swivel chrs, new reupholstrd, \$400, Stephanie, 223-2292

LOVESEAT, wicker, white, 51" lng, incl cush, str. back, rnd arms, wrap legs, excel cond, \$175, Mary, 276-9903

WARDROBE CLOSET, holds 20 pieces, wood, good cond, \$30, Donna, 223-6775

DESKS, two, 1 Colonial, 1 best to see, Spanish design, gd cond, each \$300, B/O, Gloria, 237-2267

WASHER, Whirlpool, FREE, not working, good for parts, Gloria, 237-2267

BOX SPRING, Jordan's queen sz, brand new, never used, \$100, David, 223-4171

TWIN BED, maple w/Sealy Posturepedic boxspring/mattress, gd cond, \$50, Trudy, 231-7622

TABLE, trestle, 72x36, oak, w/2 10-inch lvs, 6 chrs w/gold velour seats, \$1500, B/O, Brenda, 289-1236

SOFABED, queen sz, brown/beige w/matching chair, \$250, Lorraine, 229-6056

LOVE SEATS, matching, blue velvet, \$250/each or B/O, Claudia, 223-2278

TABLE, solid pine, oval, 54" long, 4 chairs, exc. cond, \$300, Sandy, 223-8870

TABLE, drop leaf, solid walnut, 42"L, 24"W, opens to oval shape 50", \$350, B/O, Kath, 251-1576

TABLE, white, 42", wrought iron, glass top, 4 chairs, \$200, Pat, 276-9419

## MISCELLANEOUS

ROBIN VT180, 4 drives, software, Robin newsletters, \$950, Dick, 269-2140

SOUND DESIGN TX 491 Stereo 8 track player/record deck, \$50, Linda, 231-6420

VT180, 2 dual drives, LA34 print, SELECT, MULTI-PLAN, MBASIC, software, games, \$1200, B/O, Tony, 231-5471

TOOLS, Craftsmen, new mech's tool chest, 3-dwr, 1-tray, \$40; new steel router tble, \$10, Eric, 231-7154

LUGGAGE, 3-piece matching Amer. Tourister set, gd cond, \$50, Tiph, 231-6360

COLECOVISION, new, 1-game incl, \$65, Millie, 229-6243

HARMOHD ORGAN, HDL L100, bfl cond, Fr. Prov. wood cab w/bench, recent tune, \$1495, Jackie, 276-9865

WOMAN'S WORLD MEMBERSHIP, Marlboro, gd thru 12/85, hrly classes, Naut equip, sauna, \$100, Linda, 276-8532

FM/AM STEREO, Technics SA-110, new, never open, \$120, Marion, 229-6654

FILE, 4-drawer w/lock, \$35; Nutone oven range exh. fan w/lights, copper finish, \$15, Terry, 223-4905

GUITAR & AMP, Gibson Les Paul custom, \$550; Fender twin reverb \$450; both for \$950, Denis, 288-6445

RING, 14K antique, over 100 yrs old, diamond center with miner's chips, \$600, Linda, 238-3504

HON3 TRAINS, 4 brass locos, kits, track, G/vy gd cond, lot for \$450 or LGB trade, Glenn, 247-3039

STOVE, green enamel cast iron airtight, Lange Model 6303A, exc cond, \$250, B/O, Charlie, 257-1277

GUITAR, 1975 Gibson, Les Paul (Standard), sunburst, great sound, \$550, Frank, 223-7804

SNOW BLOWER ATTACH, fits Sears LT36 tractor, 36" path, chains incl, used 1 seas, \$475, Fred, 231-6134

ROBIN VT180, 4 drives, BASIC, SELECT, MULTIPLAN, \$1100, B/O, Rachel, 234-5186

COLOR TV, 19" Zenith w/stand & rabbit ears, vy gd shape, \$150, B/O, Arnie, 229-6196

\$500 CREDIT SLIP at Maynard Village Jewelers for \$450, Steve, 232-2215

VIDEO GAME, Odyssey, incl 16-game carts, 3 Joy-sticks, exc cond, \$75, Ray, 232-2316

TIRE, spare, Uniroyal, never used, fits 78-84 Regal or Cutlass, \$25, Elizabeth, 288-7419

MEAT/FOOD SLICER, Oster, never used, perfect for lg family, sm business, elec, \$60, B/O, Joanne, 273-3484

TURNTABLE, ADC Accutrac 4000 remote control turntable w/needle & cartridge, exc cond, John, 273-3088

SEIKO WATCH, men's, new paid \$165, asking \$125, B/O, Cynthia, 236-2655

CAMERA, Polaroid, new, 600 one-step, makes exc gift, orig \$22, now \$15, Gerry, 223-7938

WEDDING DRESS, white, summer, size 9P, floor length lace mantilla, orig \$300, now \$75, Barbara, 224-1611

CAMERA, Minolta XG1, exc cond w/2 flash units, 3 lens, 5 filters, more, Debbie, 276-8381

BRAIDED RUG, Woolo, 100% wool, w/mat, 8X10, muted Colonial colors, \$200, B/O Marcia, 229-6778

COMMODORE 64, C-1541 Drive, VIC Modem, Joystix, Assem, Nord Proc, \$450, B/O, Rick, 231-2530

SUMP PUMP, EMPCO, submersible, rated at 2500 GPH, \$85, Fred, 231-6134

TYPEWRITER, IBM Executive, w/stand, exc cond, \$75, B/O, Marcia, 229-6778

ROBIN VT180, 4 disk dr, LA34 print, CPM, MBASIC, Multi-plan, Select, Games, stands, \$1500, Joe, 234-4021

TODDLER STROLLER, 3-seat, rain/sun prot, exc cond, \$200; crib matt, dresser, table, \$100, Patty, 245-1604

TERMINAL, Visual 50, emul. 4 types, incl VT52, \$500; SHUGART 801 dual 8in disk dr, \$400, Alfred, 467-5735

CONN ORGAN, 2-44 note kybrd, pedals, bench, service man, LSI elect., exc cond/sound, \$1200, Gary, 231-6629

COMMODORE 64, disk dr, color monitor, joystick, \$400;  
PANASONIC car door speakers, \$30, Jack, 278-4593

COAL STOVE, Sudiac, 2yrs old, 35000 BTU's, (1500 sq. ft.), \$300 firm, Jim, 223-1927

LANE, 1974 Cessna 182, IFR, hangared Mashua, NH, 100% ownership, \$3100, Ted, 264-3358

SAFE, fireproof, combination, metal+brick, has sevrl locking compts, 5'x3'x2', \$995, B/O, Susan, 276-9049

TOASTER/BROILER, LC Toastmaster, \$10; Realistic CAR CASSETTE DECK, barely used, \$20, Walter, 236-2264

BALLET SLIPPERS, men's, sz 10D, worn only once, Keith, 288-6701

WEE FOLK, figurine Ratty from Wind in the Willows series, Steve, 223-9254

FRENCH CLARINET, 1930s, w/original carrying case, needs pads, \$60, Kathy, 221-5495

PC WORKSTATION DESK for DEC Rainbow 100, PRO350/DECMate II, below eap. cost, \$382.73, Kay, 229-6306

CAMERA, 35mm Miranda Sensor II w/case + shoulder strap, \$30 firm, Bill, 257-1269

VT180 ROBIN, LASO printer, 2 dual disks, Select, Basic, Multiplan, \$850, Bill, 232-2288

ROBIN personal computer, VT180 terminal, dual disk drive, keyboard + software, \$900, B/O, Art, 223-8020

## MOTORCYCLES

'70 BMW R60/5, 39Kmi, white, always garaged and adult owned, \$1350, Tom, 289-1130

'80 KZ440, red w/bl luggage carrier, 3,212mi, ridden only 2 seasons, nds tuneup+batt, \$440, Bob, 278-9253

'78 HONDA 750C touring bike, Vetter Sys, wndjammer, saddle bags, exc cond, 44Kmi, \$2,200, Pat, 247-2095

HONDA CM400T, 4Kmi, Sissy bar + backrest, new \$850, John, 264-8769

'82 HONDA CB650, exc cond, \$1,000, Woody, 288-6137

'80 YAMAHA Midnight Special XS850LG, adult owned, low mi, many extras, perf. cond, \$1950, Bud, 236-2649

'81 YAMAHA 650cc, Special 2 model, new battery and tires, \$1,000, B/O, Gloria, 229-6613

'82 HONDA 750 SupSprt, blk/orng stripes, 3500mi, VettaFerr, 1w bars, KGrack, \$2500, B/O, Linda, 247-3175

'79 SUZUKI 850 shaft, red w/factor fairng, bkcrest, bag, kerker, cruise, cover, 9Kmi, \$1700, Doug, 225-5656

'79 KAWASAKI K2400, red, 8000 miles, good beginner's bike, \$500, Sharon, 231-5064

'73 YAMAHA 360, Enduro RT3, exc cond, \$550, B/O, Ron, 225-6963

'81 HONDA 400cc, mint condition, only 2500mi, showroom cond w/extras, \$1500, Lynn, 238-3509

## PETS

COCKATIEL CHICKS, males & females, white+speckled, all tamed & ready to go, \$45 each, Debbi, 223-5069

LHASA APSO PUPPIES, AKC champ sired, show quality, 2 males left, gold/blk masks, \$300, Barbara, 288-7778

PARROT, lavender-headed Amazon, 2 yrs old, hand tamed, \$800 with cage, Chris, 231-7725

GERMAN SHEPHERD puppies from OFA cert., working/titled German imports, \$300-700, Karen, 264-5592

PARROT, blue front, Amazon, nds work, 2yr old, great singing bird, won blue ribbon, Steve, 251-1295

GLA pup, male, 7mo, AKC, first shots, nds room to run, gd w/kids, gd hunt dog, Steve, 251-1295

AIREDALE/LABRADOR Retriever Pups, ready for adopt to homes w/TLC, whelped 2-10-85, Joel, 223-5136

## REAL ESTATE

MOBILE HOME, 2bdm, 12X68, A/C, W/D, clean, quiet adult park Litchfield, NH, \$33.9K, John, 264-5973

HOUSE, Sutton, 3/4bdm ranch, 5 acres, inground swim pool, large garage, \$180K, Gall, 279-5684

LAND, Burnham, ME, 10 acres, tarred road, elec, water, priv. access to Unity Lake, \$12,000, Al, 273-3597

HOUSE, Marlboro, 2bdm Cape w/2-car garage, small barn, 3-1/2 acres, off Rte 20, \$175K, Lynn, 238-3509

HOUSE, Bourne, 3bdm, frplc, garage, fenced-in lot, near Bttermk Bay, CC Canal, \$66K, Debbie, 223-3866

CONDO TWHSE, Marlboro, 4-level, 2bdms, 2bath, lake-view, \$129,995K, Barbara, 223-5279

HOME, Holliston, Contemp, 2 acres, 5yrs old, 3bdm, cath. ceil, country setting, \$157,900, Mike, 231-4325

## RECREATIONAL VEHICLES

BASSBOAT, Smokercraft, 16 ft, 40HP Evinrude, trailer, trolling motor, ex. props, \$1800, B/O, Wayne, 853-7284

SAILBOAT, slps4, 20'w/sails, mar. radio, trailer, all CG equip, aux. eng, 7.5hp, \$5000, B/O, Nancy, 259-3906

HOBBIE, 18', 1984 National, Harkin equip, w/trailer+Cat box, \$4900, John, 568-6864

SAILBOAT, '81 AMF Force 5 with trailer, used 3 seasons, \$1200, Frank, 288-6518

CANOE, 12' Canadian St. Moritz, red fiberglass, like new, \$150, Gloria, 229-6613

SLOOP, 31' 1984 Hunter, slps6, shower, stove, depth sounder, knot-log meter, \$37K, Cliff, 225-6313

TRAVEL TRAILER, '33', like new, self-contained, full bath, slps 6, \$3995, B/O, Ed, 276-9761

SAILBOAT, 24', CAL T/4, slps4, head, 5 sails, race/cruise equip, elec, exc cond, \$11K, Bruce, 229-6154

KAYAK, Whitewater, exc cond w/paddle, helmet, spray skirt, life-vest+flot bags, \$450, David, 249-4590

SAILBOAT, '80 CAL25, slps5, standing hdroon, fresh water sailed, exc cond, \$19,900, Jacques, 276-8011

SWAN DINGHY, 8', w/oars, 2hp Mariner motor, exc cond, together or separate, Carolyn, 234-4379

'69 MOTOR HOME, Dodge, V8, 318 eng, sleeps 6, good mechanical cond, \$5000, Rick, 236-2554

BOAT, Ocean Shell, Alden 16', 9'9" skulls, sliding seat rowing, will demonstrate, Frank, 229-6704

HONDA TRW200, 84-four wheeler, exc. shape, needs a little work, \$500, B/O, Oia, 282-2556

SAILBOAT, O'DAY 20 w/6hp, o/b + trailer, slps4, head, galley, many extras, \$9950, Tom, 235-3205

LASER II, w/main, jib, spinnaker, trapeze, new shrouds, exc shape, minimal use, \$2000, Rick, 251-1861

SAILBOAT, '74 O'DAY, 23', poptop, 6'4" hdm, 4 sails, '84 8hp Evin, trlr, exc cond, \$9795, Bill, 264-0923

'84 TRAVEL TRAILER, Citation, 22 ft, slps6, stove, refig, shower, used 1 season, \$8750, Paul, 225-4718

'81 JAYCO 706 TENT TRAILER, slps6, gas stove, sink, exc cond, \$2,000, B/O, Celeste, 247-2731

## RENTALS

CONDO, Hyannis, sleeps 4, kit, bath, 1r, bdrm, pool, whirlpool, 7/27 to 8/3, \$400, Arnie, 232-2258

CONDO, Provincetown, sleeps 4, kit, bath, 1r/bdrm, pool, on beach, 6/29 to 7/6, \$400, Arnie, 232-2258

HOUSE, near N. Conway, lakefront, 3bdm, 2bath, with canoe, \$400, Van, 223-2856

CONDO, Merrimack, NH, new, 3-rm, tennis, pool, April 1 occupancy, refs req, \$550/mo, Tom, 223-3234

HOUSE, E. Falmouth, wterfrt, new, 4bdm, 3bath, sun-decks, \$700/wk, 2wk min, avail 6-8/17, Janet, 231-4995

HOUSE, So. Yarmouth, min/beaches, shopping, slps6, encl porch, barbecue, July-Sept, \$475 wk, Roger, 274-6630

CONDO, tmhse, Londonderry, NH, 1bdm, priv. unit, pond, w/w, W/D, pool, tennis, garage, \$625/mo, Steve, 235-3538

HOUSE, Waltham, contemp w/solar, 1r w/frplc, din. area kit, bath, 2bdms, basement, \$950/mo Jeannie, 251-1598

HOUSE, Maynard, 3bdm ranch, 3yrs old, large yard w/garden, \$750/mo, Dave, 223-4060

CONDO, Loon Mt, 2bdm, 2bath, slps6, frplc, Jacuzzi, TV, by weekend, week, or month, Leslie, 251-1228

CONDO, tmhse, Lake Winnepesaukee, slps6, 2bdms, 2bath, pool, tennis, June 1-8, \$650, Keith, 282-2178

CHALET, Winnep, Meredith, 4yr old, 3br, 1-1/2bath, 2min/beach, tennis, boat slip, \$350/wk, Jim, 289-1890

CONDO, White Mtns, Alpine, Nordic, shop, relax in 2br, 2bath condo avail wknd, wk, mo, Peg, 283-7673

HOUSE, Edgartown, MV, cont. Cape, 3bdm, 2-1/2bath, 2mi S. Beach, incl 1 auto ferry tickets, Gwenn, 276-9269

ROOM, Marlboro, furn, kit, W/D, no pets, 1 avail now, 1 in June, Marie, 231-4969

COTTAGE, Lake Winnepesaukee, 2bdm, 2min walk to sandy beach w/lifeguard, \$250 week, Kevin, 279-5332

SUMMER HOME, Eastham, 2bdm, frplc, walk beach, ponds, lg. yard, avail wknd/wk/mo, \$450, Michael, 223-4229

SKI WKEND, Wterville Vall., 2 nights lodging, 2 dbl beds, TV, use before 4/30/85, \$75, Mary Jane, 231-2353

APARTMENT, Fitchburg, 2bdm, nr Rte 2, parking, gas stove incl, avail 4/1, \$325/mo, Mary, 223-6031

COTTAGE, E. Falmouth, slps6, lg porch, 6min walk/beach, vy private, no pets, \$375/wk, Fred, 237-3051

HOUSE, Pepperell, 7rms, 3bdm, new home, W/W, nr. 495, no pets, \$850/mo+utils, gas heat, Kye, 234-5170

HOUSE, Dennisport, 3bdm ranch, nr beach, porch, f/yd, slps6, 10wks/\$3750, 4wk/1600, Maddy, 223-2339

HOUSE, N. Eastham, new, slps6, 1.5mi ocean, lg deck, \$350/offseason, \$450(July, August), Linda, 257-1213

TOWNHOUSE, Nantucket, oceanview, 3br deluxe, deck, tennis, \$625/wk, June 1-15, Nancy, 231-4709

HOUSE, Falmouth, slps6, 100'to saltwtr, full equip, quiet, close/evrything, \$400+\$300/wk, Paul, 223-3548

CONDO, Salem, MA, 1bdm, 1r, dr, kit, garage, A/C, avail 4/15, \$650/mo, Rick, 277-7027

COTTAGE, Higgins Beach, Scarborough, ME, 2hr Boston, 3br, kit, por, nr ocean, av. 2wk Aug, \$350/wk, Pat, 231-6650

BEACH HOUSE, Wellfleet, MA, 3br on ocean, May wknds, 3nights/2days, \$350, Steve, 223-3637

HOUSE, N. Conway, Saltbx Cont, lakefront, 3br, 2bath, dock, canoe, \$400/wk, Van, 223-2856

CAPE, Brewster, cul-de-sac, 3br, 2-1/2bath, 7min walk Bay, ava. 5/28-6/13, \$400/wk, nsmoker, Sharon, 278-4048

HOUSE, Brewster, 5br, 2-1/2bath on pond, 7acres, 1mi ocean beaches, swim, fish, \$1000/wk, Richard, 231-7495

HOUSE, 4br, slps8, f/rm, W/D, boat launch, nr beach, \$550/wk, \$1000/2wks, \$5000/Jul+Aug, Peter, 292-2082

CONDO, Mashua, NH, new tmhse, 2bdm, gar, wooded lot, porch, pool, tennis, A/C, \$750/mo+util, Ron, 276-9496

TOWNHOUSE, Boylston, wooded setting, 3bd, 1-1/2bath, gar, 10minDEC-NR, av. 5/1, \$750/mo+util, Joan, 234-4856

CONDO, Westboro, 2bdm, appl, A/C, W/W, pool, tennis, nr Rte 9, 495, Pike, ava. immed, \$575/mo+util, Al, 225-4413

CHALET, Gilford, NH, furn 3br, cable, wk/wknd/mo, Serge, 223-2694

SUMMER COTTAGE, Pocasset/Buzzards Bay, sleeps 4, near beach, golf, \$200/wk, Frank, 229-6704

COTTAGE, W. Dennis, 2bdm, slps 4, near beach, golf, marina, shops, \$325/wk, Barbara, 231-6852

HOUSE, Falmouth, slps 6, 100' saltwater, fully equip, quiet, close to evrytng, \$400+\$300/wk, Paul, 223-3548

HOUSE, Dennis, 2bdm, walk to pond, near beaches, golf, avail 5/26, \$425/wk, Art, 221-5607

HOUSE, Acton, 3bdm Gamb. Cape, well maint, nice yard on pond, avail 5/1, \$1000/mo, Mark, 247-2071

SUMMER HOME, Lake Ossipee, private beach, golf, tennis, nr White Mtns, \$285/wk, Cornel, 247-2066

CHALET, N. Conway, sleeps 7, furnished, wood stove, no heat, \$90/wknd, Jeannette, 247-2729

HOUSE, Sebago Lakefront, 30min/Portland, slps 6, \$300/wk June+Sep, \$350/wk July+Aug, Mo, 276-8062

COTTAGE, Lake Winnepesaukee, 2 min. walk/sandy beach w/lifeguard, \$250/wk, Kevin, 279-5332

SUMMER COTTAGE, bchfrnt, Lt. Sebago, 2bdm, porch, mod fac, great for kids/canoe, \$325/wk, Peggy, 288-6358

VACATION HOUSE, Lk. Winnisquam, Laconia, slps 8-10, dock, frpic, AC, DW, TV, private, John, 292-2545

APT, Spencer, 3rms, 2nd flr, priv yd, nr Rte 9, \$350/mo+util, lease/ref/no pets, nsmoker, Karen, 235-3358

HOUSE, W. Harwich, Cape Cod, 3bdm, slps 6-7, 1/2mi beach, yard, deck, quiet nrhd, \$500/wk, Bob, 223-2622

COTTAGE, Pleasant Mt, Denmark, ME, 3bdm, priv beach, mt. view, awin, fish, \$350/wk, Bud, 262-8321

VACATION HOME, Mt. Mtns, wtrfrnt, priv beach, tennis, pool, canoe, slps 8, furn, \$350/wk, Marcia, 231-5141

RANCH, N. Eastham, Cape, new 3bdm, .7mi bay beaches, deck, W/D, \$525/wk 6/22-9/7, Cathy, 223-2441

HOUSE, Sandwich lake area, Cape Cod, 2bdm, \$550/mo yearly rental, Erich, 231-5629

HOUSE, W. Yarmouth, Cape Cod, 2bdm, May-Sept, close to beach, \$400/wk, Sharon, 231-5064

HOUSE, Dennis, 4bdm, May-Sep, walk beach, lake, shop, \$500/wk, May+Sept wknds/\$150, Charlene, 251-1608

DUPLEX, Buzzards Bay, Onset Beach, oceanfront, 3bdm, 1-1/2bath, \$400/week, Jay, 231-4816

TWNHOUSE, 2bdm, 2bath, appliances, garage, country setting, 10min/DEC-SHR, Mira, 279-5462

SUMMER HOUSE, Wellfleet, slps 5, nr beaches, extras, July-August, 2 wks min, \$450/wk, Liz, 223-4470

HOUSE, W. Acton, 6rm, frpic, appl, W/D, garage, priv. yd, avail end of June, \$750/mo+util, Gerda, 251-1329

HOUSE, S. Yarmouth, slps 6, wlk beaches/mall, porch, no pets, aval 6/\$350wk, 7-9/\$475/wk, Roger, 274-6630

CHALET, Linderhof, N. Conway, W. Mtns, lux 3bdm, full equip, avail seas/mo/wk, Mike, 225-5126

CAPE, M. Vineyard, 2bdm, slps 6, Apr-June \$150/wknd, \$350/wk; Jul-Sep 15, \$550/wk, Lauren, 264-4442

**ROOMMATES**

M/F, to share apt or house in Andover/N. Andover, area beginning May 1, Tom, 381-2756

M/F, n-smoker, share 3bdm, 2b Marlboro home, laund, nr lake, \$320/mo+1/2util, avail 4/1, Gene, 229-6017

F, share 1g 2bdm, 2bath Marlboro apt, \$274/mo, incl heat, Alice, 223-1745

HOUSEMATE, M/F, nonsmoker, neat, prof, twmhse/condo, Tyngsboro, pool, tennis, \$300/mo+util, Bill, 231-4945

M/F, share new 3bdm twmhse/condo, 14mi Maynard, 4.2mi 495, Rte 117, avail 4/1, \$400/mo, Tom, 223-4100

Nonsmoker, share expenses, Concord contemp, mostly furnished, \$325+1/2util, Penny, 223-7336

M/F, share 2bdm apt Northboro, \$247.50/mo+1/2 util, Dave, 231-4260

F, nonsmoker, share 2bdm Framingham apt in duplex house, \$160/mo+1/2util, Pat, 231-7617

M, n-smoker, share 2bdm Framingham apt nr MassPike +Rte 9, \$270/mo+util, pool, tennis, W/D, Steve, 225-5044

M/F, 25-35, nonsmoker, share Acton 3bdm duplex, W/D, \$325/mo+1/2util, Dick, 236-2289

ROOMMATE wanted to rent two rooms in private home, \$225/mo, Diane, 251-1647

M/F, nonsmoker, 40-60, clean, bright, furn. 5-room apt. in Fitchburg, \$200/mo+1/2util, Tobi, 223-4959

NONSMOKER, 25+, share 3bdm home N. Framingham, else t/evytg, 10mi/Hill, \$300/mo+1/2util, Eugene, 223-3341

M/F, share 2bdm Condo, Marlboro, pool, W/D, \$300/mo, incl util, Bill, 485-0424

M/F, share apt. or house Andover/N. Andover area beginning May 1, Tom, 381-2756

F, nonsmoker, 3bdm house in Bolton, 1mi 495, avail 6/1, \$400/mo+1/2util, Carol, 276-8377

F, prof nonsmoker, share house Wellesley(Off Rte. 9) rm w/own bath, \$350/mo, Irene, 231-7774

NONSMOKER, share new house in Leominster, prv bath +storage, \$295/mo+util, Mona, 223-9365

**SPORTING GOODS**

BICYCLE, Schwinn, man's 10-speed, large frame, ideal for someone tall, \$125, Marvin, 223-9071

SKIS, K2 244 MID 180 CM skis with Tyrolia 360R bindings, \$130, Stan, 249-4728

ROWING MACHINE, Model Amerec 610, 1 yr old, new cond, \$200, Gene, 264-7234

SNOWMOBILE SUIT & Access. Arctic Cat suit, helmet, boots+gloves, size med, like new, \$85, Linda, 238-3504

BICYCLE, 10-speed Schwinn, continental 30-inch, too big, \$285 orig, \$125 now, Diane, 251-1641

EXERCISE BIKE with 55 miles on odometer, \$65, Steven, 223-6449

BICYCLE, Ladies 12-sp Schwinn tour, 27" alloy whls, exc cond, used once, \$195, Marjie, 289-1163

CAMPING EQUIPMENT, 3 slping bags, 1adult, \$15, 2child \$10 ea; Lantern, \$20; pots, etc, \$500, Deborah, 223-8394

ROWING MACHINE, Precor 620, 5 months old, good condition, \$300, Gerry, 276-9467

GOLF CLUBS, irons, Spaulding Executives, 3 thru PW, \$160, B/O, Tom, 237-2243

SKI BOOTS, size 10-1/2 M, Lange men's, used only 3 times, \$25, Linda, 231-6420

BICYCLE, Schwinn w/training wheels, blue + silv \$30, Ray, 223-4591

SKIS, Dynamic racing 204, Geze bindings; men's Nordica compet. boots, sz 10, \$150, Cathy, 223-6059

FITNESS GYM DP650 USA, exc cond, \$150, Pauline, 223-6763

TENNIS RAQUET, Prince, Jr., good shape, \$25 or \$30, Ron, 231-7113

SKIS, 2 pr, Rossignol, STS, 180cm, 195cm, Salomon 727 bind., exc cond, \$135/pair, Bob, 229-6587

**WANTED**

COMIC BOOKS, Beatie Items, Star Trek, Star Wars, records, bubble-gum cards, Edward, 223-2931

HORSE BOARDING, full care, pref. private family, live in Acton, work in Chimsford, Lora, 269-2336

WHALER, 13 or 15 ft, complete with motor, trailer + accessories, gd cond, Steve, 231-6229

CONDO/APT rent wk of May18/25 in Orlando, close to DisneyWorld, must sleep 4-5, Kane, 231-5768

WRINGER WASHING MACHINE in gd working condition, Nancy, 223-6992

LAND to build or Colonial or similar house in west-northwest I-495 area, Bill, 223-9777

BOAT TRAILER, used, for 12-ft aluminum boat, reasonable, Bob, 276-8619

SIEGEL-SCHWALL RECORD collector looking for LPs or tapes, Walt, 223-5095

UPRIGHT PIANO, cheap, Tom, 223-6747

HOUSE/DUPAPT rent, 2bdm, W/D hkup, no pets, Maynard, Acton, Natick, Wayland, \$500/650/mo, Rebecca, 249-4987

VT180, ROBIN, w/1 or 2 floppy drives + LA50 printer, B/O, Alex, 223-2454

PORTABLE DE-HUMIDIFER, Steve, 223-6449

LAKEFRONT COTTAGE in ME/NH/MA, private child-safe beach for 1-2 wks July or August, Paul, 289-1608

APARTMENT, 2bdm, Rte 9 Shrews/Fram area, for two F profs, \$450-\$500/mo, Cindy, 292-2141

GAS DRYER in good condition; LAWN MOWER in good condition, Ingrid, 277-7069

**MARKETPLACE CF02-3/K23**

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

CATEGORY \_\_\_\_\_

ITEM \_\_\_\_\_

DESCRIPTION \_\_\_\_\_

PRICE \_\_\_\_\_

DTN \_\_\_\_\_ LOCATION-M/S \_\_\_\_\_

NAME \_\_\_\_\_ first last (only 1st names are printed)



# news briefs

## Microwave ovens tested for radiation leaks

Marlboro Region Safety and Health now has equipment to test microwave ovens for microwave radiation leakage. Any employee working in the Marlboro Region who would like an oven tested may do so by contacting Anita Seroll at DTN 231-4715. ■

## Deadlines for 'Digital This Week'

Deadlines for *Digital This Week* have been established to help you plan events and publicity around certain editions of the paper. Deadlines don't pertain to Market-place, which is first-come, first-served. The next four issues and deadlines for DTW: April 29 issue--April 17 deadline  
May 20 issue--May 8 deadline  
June 3 issue--May 22 deadline  
June 17 issue--June 5 deadline. ■

## IEEE standards for software design meeting

The IEEE Working Group on Software Design Descriptions is sponsoring a meeting on the Development of IEEE Standards for Software Design Descriptions on May 15-17 in Merrimack, N.H.  
For more information, contact Patricia Cox at DTN 381-1353 or through interoffice mail at ZK01-2/D13 or on the ENET at AD- VISE::COX. ■

## SAVE plan inquiry files may be reached via phone

Employees enrolled in the Salary Accumulation Vehicle for Employees (SAVE) plan may access inquiry files pertaining to their deductions via the Touch Tone<sup>®</sup> telephone system. The inquiry file may be accessed by using transaction code #3. SAVE plan security codes are necessary to use the Touch Tone system. ■

Touch Tone is a trademark of AT&T.

## DCU to upgrade computer system

To keep up with the demands of 64,000 members, the Digital Credit Union (DCU) plans to use new credit union software, which will run on the DCU's PDP-11/70 system. This software is the beginning of the DCU's migration to a VAX system. The version is scheduled for mid-May. The branches will be closed for one business day. Notices will be passed out in local branches, and local personnel offices will be notified of the actual closure date. This is the only anticipated interruption in member service. ■

## Digital Computer Club meeting on April 23

The Digital Computer Club (DCC) will present a panel discussion entitled "How to bring your PC on-line" for members of the Digital community on April 23, at 6 p.m. at the Mill Cafeteria Conference Room.

This panel will be about details on how to correctly set up a personal computer and begin accessing information from hosts via telephone. They will discuss modems, set-ups, bulletin board systems, file transfers, free software, and related topics. Panelists include expert users, operators of bulletin board systems, and users of public databases.

An open question and answer session will follow the panel. To get to the Conference room from outside the Mill, use the Thompson Street entrance. ■

## Power shutdown at Stow facility

On Saturday, April 20, the Plant Engineering Department has scheduled an electrical shutdown of the entire Stow facility. The main electrical power to the building will be shut off from approximately 7 a.m. to 5 p.m. To protect systems from crashes, it is requested that all systems be shutdown on Friday, April 19 and not restarted until Monday, April 22. In the event of rain, Sunday, April 21 is scheduled for the shut down.

For personal safety reasons, no employees other than Plant Engineering Personnel and Security, should enter the facility during this period. For more information, contact Mike Ciccone at DTN 276-9002 or the facility coordinator at DTN 276-9005. ■

## Volleyball League successful

The Digital Volleyball League's first year has proven successful as the league winds down their indoor season at the end of this month. The league is coed and plays by United States Volley Ball Association rules. Anyone interested in participating in informal summer activities, or the 1985-86 season, which runs from October to April, may do so by sending mail on the ENET to NUWAVE::VOLLEYBALL or through interoffice mail to Digital Volleyball League at MR03-3/D13. ■

## CASG Publications Services to hold open house

The Corporate Administrative Services Group (CASG) will hold an open house on Friday, April 19 from 11 a.m. to 2:30 p.m. at PK02 to demonstrate CASG Publications Services new state-of-the-art equipment for typesetting and graphic design.

The interactive system provides powerful tools for manuscript preparation, design, composition, pagination, and revision. Publications Services is currently using specialized composition equipment.

In addition to the equipment demonstration, staff members will be on hand to answer questions and a wall display will be provided which depicts the steps for the typesetting process. For more information, contact Elaine Rosmond at DTN 223-7363. ■

## Tennis League to begin season on May 20

The Digital Tennis League will be starting its 1985 season on May 20. Divisions are men's singles, women's singles and mixed doubles. There are two sessions lasting five weeks each in which members play four matches in each session. There is a single elimination tournament at the end of the season, with the finals being played at the annual outing scheduled for September 27.

To get a registration kit, send your name, location, and mailstop to the Digital Tennis League, HL02-3/C07 or to WHO::ADEY. Registration deadline is May 6. Last year's members will automatically receive a registration kit. ■

# educational opportunities

## Educational Services

### May course schedule for Office Automation

Please note that all course locations are PK03-1/Pole 8H unless otherwise specified. Dates are subject to change.

Please note prerequisites (PR) stated. Equivalent experience may be substituted for the stated prerequisite. Within each curriculum, courses are listed in their logical sequence.

#### OA Concepts & Theory

**Successful Business Automation** (3 days) JUNE 3

**Intro to Computer Concepts** (1 day) MAY 21

#### Professional

**Basic User Operations for the Professional** (1 day) MAY 6,14,28

**Pro Communications** (½ day) [PR: Basic User] MAY 8

**PRO Office Workstation** (2 days) [PR: Basic User; VAX Utilities & Commands; ALL-IN-1 Support Seminar] MAY 29

#### Rainbow

**Rainbow CP/M** (1 day) [PR: Learn Rainbow] MAY 15

**Multiplan** (2 days) [PR: Learn Rainbow] MAY 28

**MS-DOS** (1 day) [PR: Learn Rainbow] MAY 30

#### DECmate

**See also WPS Curriculum for DECmate Multiplan** (2 days) MAY 28

**DECmate II Multiplan/DAISY AIDS** Demo Skills (1 day) [PR: Working knowledge of DECmate II WPS, CP/M, Multiplan] MAY 8

#### ALL-IN-1

**ALL-IN-1 Document Processing** MAY 23

**ALL-IN-1 WPS-PLUS** (1 day) [PR: AI Systems Overview] MAY 24

**ALL-IN-1 Electronic Messaging** (1 day) AI Systems Overview MAY 21

**ALL-IN-1 Desk Management** (1 day) AI systems Overview MAY 22,29

#### VAX

**DATATRIEVE I** (1 day) MAY 31

**DECcalc** (2 days) [PR: Intro to VAX] MAY 23,28

**DECgraph** (1 day) [PR: EDT] MAY 15,22,24

**VAX VTX Information Provider** (3 days) [PR: Intro to VAX] MAY 6

**VAX VTX System Operator** (2 days) [PR: VAX VTX IP] MAY 9

#### WPS Curriculum

**Basic Word Processing** (3 days) MAY 28

**Basic Word Processing** (5½ days) MAY 6

**Basic WP for Managers & Supervisors** (1 day) MAY 15,21

**Advanced Word Processing** (1 day) [PR: Basic WPS] MAY 20

**WMP Communications** (½ day) [PR: Basic WPS] MAY 23

**Math** (1 day) [PR: Basic WPS] MAY 14

**WS200 System Manager** (1 day) [PR: Basic WPS] MAY 13,31

#### Electronic Communications

**DECmail** (1 day) MAY 15,28,31

#### To enroll

Please fill out the OA Internal Enrollment Request, available in the OA Catalog, on flyers, or at some stationary supply stores, and mail it to the OA Registrar, PK03-1/B11. For further information, call the Registrar at DTN 223-5820 or 223-2872.

#### Cancellation Policy

15 work days' notice--no fee  
Less than 15 days--full fee

CP/M is a registered trademark of Digital Research.

DAISY AIDS is a trademark of Escape Computer Systems.

MS is a trademark of Microsoft Corporation.

Multiplan is a trademark of Microsoft Corporation. ■

## Hudson TSS announces many seminars under 'THEME'

The Hudson Technical Seminar Series is introducing the "THEME," where a topic with a broad scope is presented in several seminars sequentially by different speakers.

When applicable, theme development will include symposiums, workshops, demonstrations or panel discussions in addition to seminar presentations.

The first theme is on Image Systems. The first seminar of this theme, "Image Quality in Scanning and Coding" will be presented by Dr. William Schreiber, professor of Electrical Engineering at MIT on April 22. The second

topic, "An overview of Quadtree Research" will be presented May 9 by Dr. Hanan Samet, associate professor of Computer Science at the University of Maryland.

The second theme being developed is "Knowledge Representation." This Artificial Intelligence theme was identified from the results of an AITC Technical Exchange Survey. The first seminar is tentatively planned for June or July.

For "Theme" information, contact Jackie Fidler at 225-4068 or HUDSON::FIDLER. ■

## Baseway Training from Software Services

Baseway Pre-Sales Seminar (3 days) EY-4487E-LO

April 22-24 Washington, D.C. - EKO

May 20-22 Bedford - BUO

June 24-26 Bedford - BUO

BASEWAY, software for the Manufacturing Marketplace, offers manufacturing management a solution which allows the integration of shop floor data with applications programs.

#### Product Description

- BASEWAY Application Bus
- Shop Floor Gateway
- Programmable Device Support

#### Prerequisites

Attendance at Project Management Workshop  
VAX/VMS Utilities and Commands  
VAX/VMS Systems Management

#### Open Enrollment Policy

Software Services Training has implemented an Open Enrollment policy for course offerings. Seats are available to all Digital employees on a first come, first served basis. U.S. Headquarters, Europe, and non-Software Services personnel should contact the Bedford Registrar, Sharon Shay at DTN: 249-4671.

Non-Software personnel who want to be added to a Software Training distribution list should call DTN: 249-4536 or FSTVAX::UNALKAT.

#### How to Enroll

Software personnel should contact your Regional Software Services Training Registrar:

|      |                    |              |
|------|--------------------|--------------|
| NER  | Ann Chow           | 277-7166     |
| NYJ  | Debbie Kostaras    | 321-5200     |
| MAR  | Marla Fierstein    | 339-4351     |
| CR   | Lyn Ebner          | 423-6290     |
| SR   | Daryl Hood         | 351-2477     |
| WR   | Sally Daniels      | 521-4442     |
| SWR  | Sandy Jennings     | 714-261-4510 |
| CSC/ | Fran Lowenberg     |              |
| KS   | (KSO courses)      | 523-4482     |
| CSC/ | Pat Franz (outside |              |
| KS   | KSO courses)       | 523-4407     |
| CSC/ | Debra Rackley      | 435-2268     |
| AT   |                    |              |
| GIA  | Karen Buretta      | 288-6700     |

## Digital Management Education offers managing change and transition course

The management of change and transition is a three-day course designed to assist middle managers to more effectively manage the process of change at a local level.

The course concentrates on two major areas:

- **Macro level** -- focuses on helping managers understand the phenomenon of change and transition. Emphasis is put on increasing awareness of the internal and external environmental forces causing Digital to respond, react and thus change. Participants will increase their understanding of the stages of transition that a large, complex organization experiences as part of their growth and development.

- **Micro level** -- focuses on helping managers to develop and refine their skills of managing planned change at the local level. Issues such as creating a vision of the future

desired state, translating that vision into a strategic plan, articulating the vision, preparing and inspiring people for change, reducing resistance and increasing ownership and buy-in of the change process, are actively worked.

Methods incorporated include the interactive concept of change agent groups. This concept allows managers to work in small groups to relate the practical applications of the program to the actual changes they are managing back on the job. These groups function as peer change agent groups during the program, as well as contracting to support each other back on the job.

The course will be held from May 7-9 in Bedford. For more information, or to register, please call the DME registrar at DTN: 249-1881 / 1882. ■

## Technical Seminars

This is an integrated calendar of seminars for HLO, MRO, TWO, ZKO, MLO, and SHR. Unless otherwise indicated seminar locations are as follows:

|     |                        |
|-----|------------------------|
| HLO | Hall of White Mists    |
| MRO | Dec 10/20              |
| TWO | A-9 Con. Room          |
| ZKO | Babbage Aud.           |
| MLO | Mill Caf. Con. Room    |
| SHR | Room will be announced |

|     |          |                   |
|-----|----------|-------------------|
| HLO | 225-5057 | HUDSON::EMCDONALD |
| MRO | 231-5097 | HYPER::CSMALL     |
| SHR | 237-3258 | APOLLO::HEDIN     |
| TWO | 247-2499 | BERGIL::LIBRARY   |
| ZKO | 381-1057 | ZEKE::CONDON      |
| MLO | 223-6262 | MILRAT::PRUITT    |

### April 16 10:00 HLO HLO2 Cafeteria

Kenneth Birman, Cornell University  
"Overview of the ISIS System"

(Note new location for this seminar)

### April 16 3:00 HLO

Paul Cohen, University of Massachusetts  
"Spreading Activation Architecture for Heuristic Reasoning About Uncertainty in Knowledge Based Systems"

(Note new date for this seminar)

### April 18 10:00 HLO

Anant Sabnis, AT&T Bell Laboratories  
"Effects of Processing on Mobility on MOS Devices"

### April 18 2:00 - 3:00 MRO

Earl VanHorn/LJO  
Access and Version Control in the DATABUS Architecture

### April 22 3:00 HLO

William Schreiber, M.I.T.  
"Image Coding and Quality"

### April 23 2:00 - 4:00 ZKO

Peter Stephens  
Edinburgh Regional Computing Centre  
"Preserving Your Software Investment Across Architectural Changes"

### April 25 10:00 HLO

Malgorzata Marek-Sadowska, U.C. Berkeley  
"Routing for Building Block Layout (BBL)"

### April 25 2:00 - 3:30 MLO

Peter Bates/U. Massachusetts at Amherst  
"Debugging Programs in a Distributed Computational Environment"

### April 26 1:00 - 3:00 SHR Conference

#### Room #360

Dr. Michel Bercovier, Hebrew University, Israel  
"Mechanical CAE Tools for Disk Drive Designs."

### April 26 2:00 - 4:00 TWO

Radia Perlman - Digital/Tewksbury  
Routing Algorithms: Why should we care?  
Part II LAN Interconnection

### April 30 2:00 - 4:00 SHR Amphitheater

Peter Ross, VENUS Product Management, Marlboro  
"Review of VAX 8600" ■

## Course offerings from Seminar Programs

Note: All Seminars are for customers and employees unless otherwise specified)

### Design of Applications Under RSX

April 29-May 2, 1985  
Course number: EY-ACO25-SO  
Registration: DTN: 249-4380

### Advanced VAX Datatrive

April 29-May 1, 1985  
Course number: EY-1887E-SO  
Registration: DTN: 249-4949

### RSTS/E V9 Update

April 29-May 1, 1985  
Course Number: EY-2331E-SO  
Registration: DTN: 249-4949 ■

## Quality Development courses for April-June

### April 17-18

Introduction to Digital for engineers - MRO

### April 23-25

Introduction to Deming - MRO

### May 1-2

Introduction to Digital for engineers - ZKO

### May 7-9

Human factors in design - MRO

### May 21-23

Statistics for improving quality - MRO

### May 28-29

Inspection moderators workshop - MRO

### June 18-20

Introduction to Deming - MRO

### June 26-27

Introduction to Digital for engineers - MRO

To enroll contact on the ENET at INFORM:: REGISTRAR or at DTN 381-1338. ■

## Changes and revisions in CEDP's course offerings

CEDP's two day courses are being held on non-consecutive days to allow course participants to practice skills and to apply new learning during the time between course days. Upon their arrival to the second day of the course, participants can then discuss their successes and/or concerns.

Based upon consistent feedback from workshop participants, the following courses have been changed.

- Win/Win Negotiations
- Understanding and Resolving Conflict
- Assertiveness Skills

The "Job Planning and Performance Appraisal" seminar remains two days, but is held on non-consecutive days. It has been expanded to include monitoring and control techniques.

The one day, "Motivation and Performance" course has been expanded to cover additional information. Some of the new materials include an overview of motivational profiles of technical professionals and a model for analyzing performance problems.

### May

|             |  |
|-------------|--|
| 6           | -Presentation Skills - MR3                   |
| 9 & 16      | - Understanding and Resolving Conflict - TWO |
| 14 & 15     | - Project Management - ZK1                   |
| 22          | - Listening Skills - MR3                     |
| May 23 & 30 | - Career Management- Workshop for Employees  |
| ZK1         |  |

### June

|         |  |
|---------|--|
| 4       | - Time Management - ZK1                                |
| 5 & 6   | - Career Management for Managers and Supervisors - TWO |
| 7 & 13  | - Supervising at DEC - SHR                             |
| 11      | - Motivation & Performance - ZK1                       |
| 17 & 18 | - Assertiveness Skills - ZK1                           |

For more information and enrollment, please contact Diane St. Hilaire at DTN: 223-3373. ■

## Robot used with tester to automatically probe printed circuit boards

Digital's Advanced Test Technology (ATT) and Flexible Manufacturing Technology (FMT) groups in Andover have developed a robotic system for automatically probing printed circuit boards undergoing functional test.

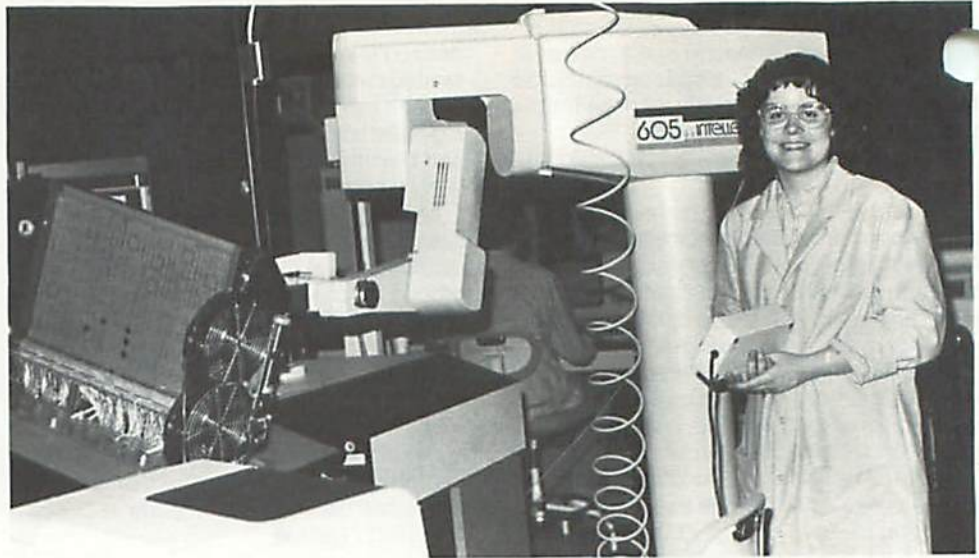
An L200 tester, manufactured by Tera-dyne--an Original Equipment Manufacturer (OEM)--directs the robot to probe locations for collecting electrical test information. The project demonstrates the feasibility of using a robot to assist the tester by automatically probing points.

A technical paper describing the project was written and will be presented at the Robots 9 Conference in Detroit, Michigan.

Robots 9 is sponsored by the Robotics International Division of the Society of Manufacturing Engineers. The paper was written by Lisa Lam, FMT, and Tim Moore, Computer Aided Test Software Engineering, Andover, together with Sidnee Snell of Intellex Incorporated, the robot manufacturer.

"Using an automated prober could increase the tester's capacity by two-and-a-half times. This means fewer testers would have to be purchased and substantial savings would be realized," Lisa explained. The robot, using a probing needle, can automatically test a printed circuit board by receiving commands from the tester about what point to check. The robot receives commands via the internal computer in the tester, a PDP-11/44, which sends data from a CAD database. The process, when done by hand, is very tedious and time consuming.

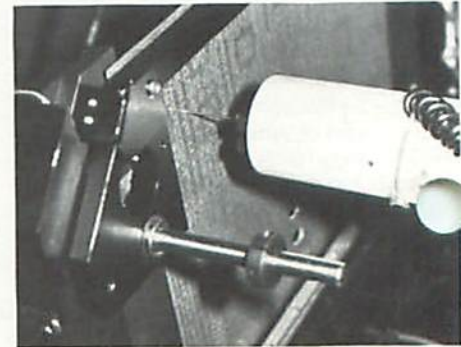
According to Lisa, who has been working



Lisa Lam, Applications engineer in robotics for the Flexible Manufacturing Technology group in Andover, at the Salem, N.H. lab where she has helped develop a robotics system for automatically probing printed circuit boards undergoing functional test. Below, a closeup of the indefector -- the part of the robot that moves the probing needle -- checking a printed circuit board located in the tester.

on the project for the last year-and-a-half, "this project is unique due to the fact that the robot can be told to seek out points off in space and get there within a couple of thousandths of an inch. Most robots return to previously recorded points rather than find new points accurately."

An alternative technology for probing, also developed by the ATT group, is currently being used to test Venus boards on the L200 in Marlboro. Salem is currently evaluating both methods for use in their manufacturing process. ■



### Metpay increases discount on Mass. homeowners insurance

Metpay is increasing the discount on Massachusetts homeowners, renters and condominium policies from five to 10 percent. This is in addition to any dividend that may be paid on these policies. Last year, the dividend was 25 percent.

This discount applies to new and renewal Massachusetts policies which are effective January 1, 1985 or later.

For more information, call the nearest Metpay office listed in the Digital Telephone directory. ■

### Mass. Adoption Resource Exchange to hold walk-a-thon

The Massachusetts Adoption Resource Exchange will hold a Wednesday's Child Walk-a-thon on Saturday, June 1 at Daley Field in Brighton. The proceeds will go towards helping to find permanent families for waiting children. There will be free tee shirts for the first 500 registrants and a free, post-walk, cook-out and raffle for participants.

For more information, call the Massachusetts Adoption Resource Exchange at (617) 451-1460. ■

### Digital Extends VT200 Terminal Features

Digital graded performance in both text and graphics functions of its VT240 and VT241 video terminals, and text functions on the VT220 terminal. New features for the terminals include replacement character sets and enhanced graphics functions. The terminal enhancements are field-upgradable to existing terminals.

For all VT200-family terminals, the National Replacement Character (NRC) set has been added, providing complete backward compatibility to the VT100 terminal family. This feature enables users to have the terminals generate international characters either using the NRC mode or via the already available Multinational Character Set (MCS), which is a proposed standard. There are currently a dozen language character sets available for Digital's VT200 family terminals, including North American (ASCII), British, French, Scandanavian, German, Italian, and Spanish.

Major new features to the VT240 and VT241 terminals include facilities for color graphics print output, a "polygon fill" capability, replacement character sets to conform to those of various countries, and enhancements to the terminal's support for Tektronix' 4010/4014 graphics protocols.

Terminals currently under warranty or Digital service contract will be upgraded upon request. ■

### College day in Hudson

Engineering Training and Education in Hudson has invited 19 local colleges and universities to attend a college information day on Friday, April 26 from 9 a.m. to 1 p.m. at the HL02 cafeteria.

Representatives will be available to answer questions about all types of programs - graduate, undergraduate, continuing education, technical, non-technical and alternative programs.

The following colleges, universities and educational institutions have been invited to attend: Babson, M.I.T., Bentley, Northeastern, Boston College, Simmons, Boston University, Suffolk, Central New England College, University of Lowell, Clark, University of Mass., Fitchburg State, Wang Institute Framingham State, Worcester Polytech Harvard, Worcester State and Lesley College.

For more information, contact Cindy Pekala at DTN 225-4091 or HUDSON::PEK-KALA or Carrie Kumlin at DTN 225-5272 or HUDSON::KUMLIN. ■