

digital

MAYNARD

# DIGITAL THIS WEEK



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February 4, 1985

## Product Support engineers service Digital systems worldwide

Some travel is a fundamental part of a Product Support engineer's job, but Jim Wojdak and Ed Bull find their work requires them to travel around the world to install and service Digital computer systems.

On February 11, Jim will go to Ulan Bator, Mongolia to install a PDP-11/34 system at the Mongolian Hydrometeorological Service. This installation was approved by the U.S. Department of Commerce. The system, sold by a Canadian Original Equipment Manufacturer (OEM), is part of a meteorological satellite data reception and processing center. The center is being furnished by the United Nations Development Program and the World Meteorological Organization, and will be used for weather forecasting, snow mapping and training purposes.

Jim and Ed are the two Product Support engineers from the General International District's Field Service organization who travel for the company to remote locations. On the average, Jim makes between 25 to 30 trips a year and Ed makes approximately 20 trips annually. The area they cover extends south of Mexico excluding Brazil, includes Africa, India, Pakistan, Thailand, Korea, a large part of southeast Asia and a few islands in the Pacific. In addition to Ed and Jim, there are six Product Support engineers from the General International Area (GIA) organization who fly throughout GIA solving technical problems.



Product support engineers Ed Bull and Jim Wojdak travel all over the world servicing Digital systems. Ed's next trip is to Seoul, Korea and Jim will be visiting Mongolia next month.

Each trip lasts about two weeks. When Jim visits Mongolia, he expects to spend the first five days in Moscow waiting to receive his visa to Mongolia from the Mongolian Embassy. At times, trips are extended because of service calls on the way home. "Once I was in Puerto Rico and got two hours notice to make a service call in Kwajalein in the Marshall Islands," says Jim.

Sometimes they encounter complications when traveling. "There are hassles at times but we know how to get around them," says Ed. However, they have found no problems with not knowing the native language of the

countries they visit. "There is always someone around who speaks English," says Jim.

*Continued on page 8*

## Russ Gullotti promoted to CSS manager



Russ Gullotti

approximately 1100 employees providing custom solutions to Digital customers on a worldwide basis.

Russ has held several positions within CSS since joining Digital in 1977 as Nashua Manufacturing manager. In 1979, he became CSS Worldwide Manufacturing manager. The following year, he joined Computer Systems Manufacturing as Salem Plant manager. He rejoined CSS in 1982 as U.S. Area manager. Since March 1984, Russ has been Worldwide Business Operations manager.

Prior to joining Digital, he held various management positions with Honeywell Information Systems and was a captain in the U.S. Air Force. Russ earned a bachelor's degree in psychology from Boston University and MBA from the University of New Hampshire. ■

## Anthony Lauck chosen one of 'America's 100 Brightest Scientists'



Anthony Lauck

Anthony Lauck, manager, Networks and Communications Architecture and Advanced Development, has been chosen by *Science Digest* as one of America's 100 Brightest Scientists.

He was one of 10 scientists chosen from Massachusetts and one of 25 employed in industry. Anthony was selected because of his work as a major contributor to the design and development of Digital's networking products.

He is the author of several technical communications articles, co-inventor of Local

Area Transport (LAT), and has played a leading role in the development of IEEE standard number 802.3 for CSMA/CD local area networks. He has also served on the National Research Council Committee on Computer-Computer Protocols, which advised the Department of Defense on Computer Networking Protocols. He is currently working on technical problems associated with implementing and securing large-scale networks.

Prior to joining Digital in 1974, Anthony held positions as Senior analyst at Autex, Inc. in Wellesley, Mass., and mathematician at the Smithsonian Astrophysical Observatory in Cambridge, Mass. He holds a bachelor's degree in mathematics from Harvard College. ■

## ALL-IN-1 system for sales and marketing announced at conference

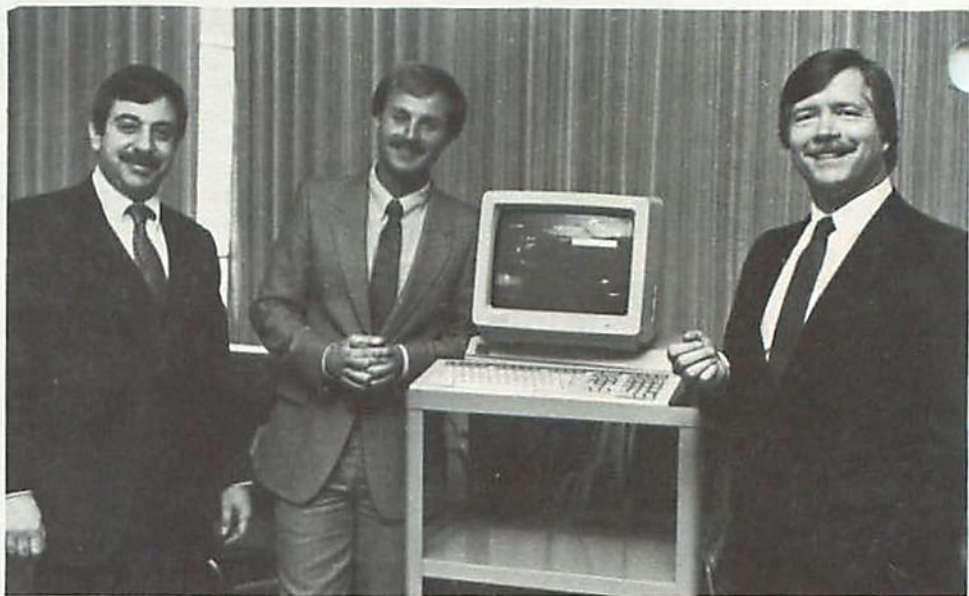
At a recent Office Automation Conference in Atlanta, Georgia, Digital introduced its ALL-IN-1 office and information system for sales and marketing. This product will be used with other Digital software, hardware and service products to provide a comprehensive set of solutions for the sales and marketing departments of Fortune 1300 corporations.

As layered applications of ALL-IN-1, the system is intended to be used by sales and marketing managers, sales people and administrative personnel. It consists of three components: Base System; Lead Management and Field Reporting. The Base System module helps control and manage fundamental information on accounts and contacts, addresses, personnel, product lines, and related information. Lead Management provides the efficient capture and managing of new sales leads while automatically routing these leads to the most appropriate sales person. Field Reporting tracks opportunities throughout the sales cycle and provides an efficient vehicle for reporting and evaluating sales calls, sales activities and associate expenses.

Key features of the ALL-IN-1 system for sales and marketing are it is easy to use and learn and can easily integrate a customer's own solutions into the system.

The product runs on any VAX family processor which supports ALL-IN-1 V2.0. It may be accessed by any VT100 or VT200 terminal, DECmate, Rainbow or Professional personal computer.

Graphics options are necessary if system



(l-r) David Toub, Sales and Marketing Segment manager; Ken Gontarz, Programs manager for ALL-IN-1 system for Sales and Marketing; and Tom Richardson, Business Applications manager, have coordinated promotion of the ALL-IN-1 sales and marketing system for the Office and Information Systems Business Applications Group.

graphs are to be viewed. Since the product uses ALL-IN-1 V2.0 and VIA tools such as FMS, DATATRIEVE and DECgraph, the software can be customized to meet customer's needs by adding functions such as sales forecasting, account profitability, and account profiling. Functionality of this product is increased by incorporating the use of the following Digital Classified Software products: Marketing Management; Marketfax,

and Milestone.

To insure the success of the product, complete support services will be available for both hardware and software, consulting, tailoring, customizing and application development.

The cost of the product ranges from \$6,600 to \$12,650 depending on customer requirements. First customer shipment is scheduled for April 1985. ■

## Two new titles from Digital Press

Two new titles are available from Digital Press.

*Writing with Wordstar on the DEC Rainbow*, by Roger B. White, Jr., adapted from *White's WordStar with Style*, this is a simplified hands-on guide to using WordStar on the Digital Rainbow personal computer. Using the Digital version of WordStar, White tells how to do a variety of word processing



projects, such as making form letters and creating technical reports. The book describes how to create and modify documents, select a printer to suit individual needs, communicate with other computers and incorporate compatible software such as Mailmerge and Spellstar.

This book, which has been co-published with Reston in 1984, is paperbound, 200 pages.

*The Human Factor: Designing Computer Systems for People*, by Richard Rubinstein and Harry Hersh with the assistance of Henry E. Ledgard, focuses on building successful human-computer interactions. This book is a reference and working guide that shows computer specialists, systems designers, and computer users what makes computers easy to use, and how to build computer systems to be more human-oriented.

This presentation urges designers and programmers to adopt the point-of-view of the people who are using their systems and

## THE Human FACTOR

Designing Computer Systems FOR PEOPLE



Richard Rubinstein/Harry Hersh

With the Assistance of Henry Ledgard

provides guidelines and principles that emphasize and teach "user centered design." The authors detail unique design approaches to improving human-machine interactions - such as designing the error behavior of systems, writing documentation before building systems, and using conceptual models for response time requirements.

This paperbound book published in 1984 is 256 pages. ■

### 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.

## Grady receives national award from Department of Energy



James M. Grady (center) is shown receiving the National Award for Energy Innovation from Under Secretary of Energy Pat Collins (left) and Secretary of Energy Don Hodel.

James M. Grady, Energy engineer, Facilities Engineering group, recently received the National Award for Energy Innovation.

At a special presentation ceremony at the Department of Energy in Washington, D.C., Secretary of Energy Dan Hodel and Under Secretary of Energy Pat Collins presented the award to Jim for his Daylight Retro-fit Project, developed and utilized at the Merrimack, N.H. site. Jim was one of eight award recipients from the state of New Hampshire, and one of 100 award winners in the country.

Jim's charter in Merrimack is to provide facility energy efficiency improvements within the Merrimack Cluster (total area: 2.2 million square feet). His Daylight Retro-fit project was conceived on the basic premise of using natural sunlight as a light source for inside building perimeter and lobby areas, thus permitting a reduction in electrical light energy, resulting in a corresponding reduction in operating costs.

According to Jim, approximately 50 kilowatts of perimeter and lobby overhead fluorescent lighting was rewired to allow for automatic dimming and turn-off when daylight conditions were adequate. Energy savings will be based upon accumulated off times, with a 56 percent return on the investment and a simple payback period of 1.7 years.

"In my estimation, this project is the most comprehensive daylight retro-fit program in existence. It dispels the notion that daylight retro-fits are not cost effective," said Jim. The concept of substituting natural light for artificial light has been well received by employees.

As part of the Department of Energy's Transfer 80's Program, state and territorial energy offices were asked to submit 10 outstanding energy innovative projects from their jurisdiction to an interagency federal review panel for award consideration.

Nearly 1000 applications were received and the most outstanding were forwarded to the Technology Transfer 80's Program. This program strives to transfer research and

development accomplishments to the private sector as early as possible.

At the award ceremony, Secretary Hodel said: "The conservation and renewable energy programs which are represented by these award winners serve to graphically illustrate that both conservation of energy and renewable energy technologies are important energy resources in this country."

Under Secretary Collins added: "The research and development represented by these awards could not have been duplicated by the government because the costs would have been prohibitive. It was the private sector, the entrepreneur, the municipality and the conservation minded citizen who demonstrated the viability of these new technologies." ■

## Digital announces new low-end multi-user system

Digital has introduced a new entry-level multi-user system called the MicroPDP-11/SV. Compatible with other members of the MicroPDP-11 family, the system has a broad base of applications and will give Authorized Digital Dealers, Business Centers and Commercial OEMs a high-quality low-end product for the growing multi-user systems market.

The new system will handle up to four users and has a base price of \$5,995 — 39 percent lower than Digital's previous low-end model. The MicroPDP-11/SV runs Digital's A-to-Z Integrated System, giving it a broad base of applications attractive to various small businesses. ■

## New IRA deposit deadline at DCU

The last day for depositing money into a 1984 Digital Credit Union (DCU) Individual Retirement Account (IRA) is April 15, even if an individual has been granted a filing extension by the Internal Revenue Service (IRS). Congress enacted this change during their 1984 session.

More than 7000 DCU members have taken advantage of the DCU IRA Plus account. This tax deferred retirement plan allows participants to save for future plans and get a break on income taxes every year that deposits are made to the account.

In addition, the DCU IRA Plus account offers payroll deduction into the IRA account based on calendar year rather than tax year. This means that weekly payroll deposits from January 1 through December 31 are credited to the following year's IRA.

Additional deposits for individual 1984 IRA accounts must be made through the mail or at any DCU branch. Current weekly payroll deduction will continue for 1985. DCU members with IRA Plus accounts may continue this program even if they have decided to participate in Digital's Salary Accumulation Vehicle for Employees (SAVE) program. ■

## Digital cuts prices on communications chip

A price reduction of 50 percent for the DC349 octal ART (Asynchronous Receiver/Transmitter) chip was announced recently by Digital. Introduced last June, the DC349 chip now sells for \$75 in single units, \$70 in quantities of 200-499, and \$65 in quantities of 500-999.

The DC349 provides eight serial communication line interfaces at substantial savings in cost, power, and circuit board space over previously available devices. Circuit board space requirements, in some applications, can be as little as 1/10th of older technology components.

The hybrid MOS chip is functionally equivalent to eight universal ART (UART) devices in both hardware and software register set compatibility. Packaged in a 68-pin, surface-mount carrier, it includes integral, independent baud rate generators for each line that can be programmed for split-speed operation at rates from 50 to 19,200 bits per second.

According to Elliot Blackman, DC349 product manager, the octal ART chip "meets system designers' needs for increased communication facilities for terminals, printers, and other serial devices with superior reliability, cost-effectiveness, and economy in circuit board real estate.

"The new price structure puts the DC349 in a leading position against its competitors," he said. ■

## Dual career couples is subject for lunch hour seminar

Successful relationships with both spouse and employer require skills and resources seldom taught at home or school. This seminar will focus on techniques and strategies to address such issues as communication, parenting, relocation, competition, household responsibilities, and other role conflicts facing 60 percent of today's American families.

The seminars are open to all employees and their families; just bring your lunch. Sponsored by the Greater Maynard Employee Assistance Program at DTN 223-4439. All seminars will start promptly at 12 o'clock.

	Date	Location
Acton Plant	3/6	Constitution Rm.
Acton Nagog	2/28	Vancouver
Concord	2/20	Bronte
Hudson	2/27	Magnificent Cavern
Parker St.	2/19	Sapphire Room, PK2
Powdermill Rd.	2/14	Assabet
Mill	2/13	Hinchcliff
Marlboro-LM	2/26	Ethernet
Stow	2/21	Delphi
Virginia Rd.	2/5	Bell Conference Rm. ■



## news briefs

### 25th update of Personnel manual available

The 25th update of the Personnel Policies and Procedures manual will be distributed this week. Copies may be obtained by requesting part number EG-96001-25 on a Request for Literature Form (part number EN-01878-05-REVC). Mail orders to Publishing and Circulation Services at NRO3-1/W03. ■

### 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 Marketplace, which is first come, first served. The next four issues and deadlines for DTW: Feb. 25 issue - Feb. 13 deadline; Mar. 11 issue - Feb. 27 deadline; April 1 issue - March 20 deadline; April 15 issue - April 3 deadline. ■

### Digital Big Band to perform in Hudson, N.H.

The Digital Big Band will perform at a dance in Hudson, N.H. as part of the Hudson Chamber of Commerce's "Hudson Has Heart" celebration February 9. The dance will be preceded by dinner beginning at 6:30 p.m. For ticket information, contact the Hudson Chamber of Commerce at 603-889-4731. For more information, contact Frank McGowan at DTN 223-4029. ■

### Discount program offered by Home Purchase Department

Through Digital's Home Purchase Department discount program, an employee can purchase a Digital inventory Home and be credited with 50 percent of the real estate commission at the time of the closing. Digital purchases these homes from employees that have transferred. For more information on these homes, call Homequity at 1-203-796-6791 and/or Equitable at 1-914-694-1280. ■

### Boating course offered

An introductory boating course is being offered at the Raymond J. Grey Junior High School in Acton off of Route 111 at 7:30 p.m. on February 27. The course for sail or power boating includes: safety; rules of the road; aids to navigation, compass and chart familiarization and Coast Guard regulations. Taught by the Minute Man Power Squadron of the United States Power Squads, the course is open to everyone. There is a slight charge for course material. ■

### Interested in trains?

Interested in trains, not just models, but real ones as well? The Digital Model Railroad Club is in the process of forming a club with a dual role to promote interest in both model railroading and real railroading. Some of the items planned are building a club layout and possible discounts on railfan trips.

Local railfanning is also possible from the LTN-1 site, where we will be holding our meetings, since a lot of railroad train activity occurs just down the street. The next informal meeting is planned for Monday, Feb. 11, at 7 p.m. in the LTN-1 facility.

For more information, contact Gerry Hafner at DTN 229-6128 or on the ENET at WOOKIE::HAFNER or Joe Farrell at DTN 229-6370 or on the ENET at JABBA::FARRELL. ■

### Digital Computer Club sponsoring presentations

The Digital Computer Club is sponsoring presentations on product strategies and public databases in the Mill (MLO5-4) cafeteria conference room (Thompson Street entrance) at 6 p.m. on February 13 and 26.

The first presentation on Wednesday, February 13 will deal with "A World of Information at Your Finger Tips" - using a personal computer to find out about news, weather, sports, stock reports, job openings, or how to make purchases from home. Ivan Kristoffy will explain how and where to access information from public databases like Source, Compuserve, and Dow Jones.

The second lecture, "Product Strategies and Work Station Issues" scheduled on Tuesday, February 26 will address the evolution of Digital's product strategy, particularly work stations, as presented with commentary by Peter Briggs, Program manager, Manufacturing Information Center.

All employees and their immediate families are encouraged to attend these meetings and ask questions following the presentations. Board meetings will be held after the main meetings are completed. For more information, contact Alex Aderer at DTN-7360. ■

### Golf league to tee off again

The Digital Golf League is now accepting applications for the 1985 season on a first-come, first-served basis until the roster is filled. League competition begins April 29 at Stow Acres Country Club in Stow.

Applications should include name, mail-stop, DTN, average nine-hole score, and preferred night and time of play (Monday-Friday, 4:15 or 5:15). Applications must be accompanied by a full payment of dues — \$20 per full-time member, \$10 for alternates. Funds will be made to those who apply for full-time membership, but become alternates due to lack of space on the roster. Checks should be made payable to "DEC Golf League." Send applications to Mary Donahue at MRO2-3/M38. ■

### Last call for terms for second edition of Digital dictionary

The second edition of the Digital Dictionary will be in the initial production phase on March 15 and is due for publication in July 1985. Anyone interested in submitting terms or glossaries, particularly from product or systems areas not yet represented in the dictionary, should send suggestions by March 15.

When reviewing new terms submitted, the committee will sort files for duplication of terms or abbreviations. All terms, definitions, abbreviations and expansions, as well as suggestions for additions or improvements should be sent to Bob Marotta, Digital Dictionary Committee chairperson, at mailstop BUO/E-35 or on the ENET at RAINBW::MAROTTA. For more information, call Bob at DTN 249-4753. ■

# educational opportunities

## Educational Services

### Office Automation Concepts & Theory Courses

**Office Automation Applications** (1 day)  
Learn about Digital's office automation tools and how they are utilized by various departments. March 1.

**Successful Business Automation** (3 days)  
This highly interactive workshop emphasizes the integration of technology and organizational design to improve business performance through automation. The focus is on the planning process and skills to define applications rather than on specific hardware or software applications. Feb. 18-20.

#### 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 223-5820 or 223-2872.

#### Cancellation Policy

15 work days' notice—no fee  
Less than 15 days—full fee ■

### Office Automation February course schedule

Please note that all course locations are PKO3-1/Pole 8H unless otherwise specified. Dates are subject to change.

**Office Automation Workshops**  
**Office Automation Applications** (1 day)  
March 1  
**Successful Business Automation** (3 days)  
February 18-20  
**Professional Basic User Operations for the Professional** (1 day) February 25  
**SUPERCOMP-TWENTY**® (1 day) February 12, 28  
**ATHENA/graph**® (1 day) February 13, 27

#### Rainbow

**MS-DOS**® (1 day) February 25

#### VAX

**RUNOFF** (1 day) February 27  
**VAX VTX Information Provider** (3 days)  
February 27-March 1

#### WPS Curriculum

**Basic Word Processing** (3 days) February 27-March 1

**Basic WP for Managers & Supervisors** (1 day) February 26  
**Advanced Word Processing** (1 day) February 26 (MRO)  
**Math** (1 day) March 1  
**User-Defined Keys** (1/2 day) February 8  
**WS200 System Manager** (1 day) February 18  
**DECmate II Multiplan**®/DAISY AIDS®  
**Demo Skills** (1 day) February 21, 27  
**Easycom** (1 day) February 22

#### Electronic Communications

**DECmail** (1 day) February 25  
**EMS II** (1/2 day) February 8  
**WPS to EMS** (1/2 day) February 7

Supercomp Twenty is a trademark of Access Technology, Inc.

Athena/graph is a trademark of Athena Systems, Inc.

MS-DOS is a trademark of Microsoft, Inc.

Multiplan is a trademark of Microsoft, Inc.

Daisy Aids is a trademark of Escape Computer Systems. ■

## 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 KL1031::CSMALL
SHR	237-3258 APOLLO::HEDIN
TWO	247-2499 BERGIL::LIBRARY
ZKO	381-1057 ZEKE::CONDON
ZKO	381-8346 ZEKE::MHURLEY
MLO	223-6262 MILRAT::PRUITT

#### Feb. 7 2:00-3:30 MRO

Jim McGinness/MKO  
*ULTRIX and UNIX*® at DEC

#### Feb. 7 10:00 HLO

Foster Knight/DEC  
*"U.S. Government Regulations on Release of Technical Data"*

#### Feb. 11 10:00 HLO

John Shott/Stanford University  
*"Wafer Fabrication and Process Automation at Stanford"*

#### Feb. 11 3:00 HLO

Rudy Van de Plassche/Signetics Corporation  
*"Design Aspects of Monolithic - A/D and D/A Converters"*

#### Feb. 12 10:00 HLO

Randy Davis/M.I.T.  
*"Hardware Troubleshooting: Recent Progress in Reasoning from Structure and Behavior"*

#### Feb. 12 3:00 HLO

Ajit Rode/Tektronix  
*"Gallium Arsenide Digital IC Technologies"*

#### Feb. 14 2:00-3:30 MRO

Dave Walker/MRO  
*Venus Test Sites*

#### Feb. 14 1:30-3:30 SHR

John Manzo/Corporate Manager, Center for System Development Process  
*"A Systems Development Environment for Digital"*

#### Feb. 19 10:00 HLO

Geoff Frank/Research Triangle Institute  
*"Design Verification with Petri Nets"*

#### Feb. 21 10:00 HLO

Marshall Andrews/Harris Semiconductor  
*"Tape Automated Bonding: Design Issues and Technology"*

#### Feb. 21 3:00 HLO

Andrew Birrell/DEC  
*"Remote Procedure Calls"*

#### Feb. 21 2:00-3:30 MRO

Roger Allen/NIO  
*VAX Cluster Verification*

#### Feb. 21 2:00-4:00 MLO

George Wright, Al Johns, Al Clark, Debbie Snay, Ed Loturco, Faye Bashaw  
*"The paperless Eco System"*

#### Feb. 22 3:00 HLO

Alfred Susskind/Lehigh University  
*"Approaches to Behavioral Functional Testing"*

#### Feb. 25 3:00 HLO

Murray Woods/Intel Corporation  
*"Implications of Scaling on VLSI Reliability"*

#### Feb. 26 10:00 HLO

Sunil Jain/Bell Laboratories  
*"Stafan: An Alternate to Fault Simulation"*

#### Feb. 26 3:00-4:30 TWO

Jim Morin and Doug St.Clair/DEC  
*Today's Networking Services*

#### Feb. 28 10:00 HLO

Kim Kokkonen/Intel Corporation  
*"The Interaction of CAD Tools and Physics"*

#### March 13 3:00-4:30 TWO

Terry Lawrence/DEC  
*Vitalink: Opportunities for Digital through Joint Development and Joint Marketing* ■

## Software Services Training / Educational Services

### March 1985 Course Offerings

#### March 4-6 3 days

SPS Product & Selling Skills - BU  
Graphics Products Seminar - PK

#### March 4-8 5 days

ALL-IN-1 V2.0 Support - NY  
Programming Systems Services - BU  
VAX/VMS System Programming - EK  
VAX-11 ACMS Support - BU  
DECnet/VAX Support - BU

#### March 4-15 10 days

VAX-11 DBMS Design, Administration &  
Programming - BU  
Communications Interfaces - BU

#### March 11-13 3 days

PRISM (Pre-sales Relations in Software  
Marketing) - BU  
Problem Solving - KS

#### March 11-15 5 days

VAX/VMS System Programming - LQ  
VAX ULTRIX SUPPORT - BU  
Network Design & Analysis - WR

#### March 11-22 10 days

VAX/VMS Internals & Data Structures -  
NY

#### March 18-29 10 days

VAX TDMS Applications - BU

#### March 18-22 5 days

RMS-11 Seminar - KS  
VAX/VMS System Management - FT  
AXcluster Management - BU  
VAX ULTRIX Support - EK  
VAX Rdb Design & Programming - BU  
Network Troubleshooting - BU

#### March 18-19 10 days

VAX System Seminar - PK  
VAX LISP - BU

#### March 25-29 5 days

VAX/VMS Device Drivers - FT  
VAX System Performance Management  
- BU  
UNIX® with C - EK  
VAX/RSX PSI Support (PILOT) - KS

\*UNIX is a trademark of Bell Laboratories

To enroll, contact your Regional Software  
Services Training Registrar:

Northeast - Ann Chow - DTN 277-7166  
New York/New Jersey - Debbie Kostaras -  
DTN 321-5200

Mid-Atlantic - Marla Fierstein - DTN 339-  
4351

Central - Lyn Ebner - DTN 423-6290

Southern - Daryl Hood - DTN 351-2477

Western - Sally Daniels - DTN 521-4442

Southwestern - Sandy Jennings - DTN 714-  
521-4510

CSC/KS - Fran Lowenberg (KSO courses) -  
DTN 523-4482

CSC/KS - Pat Franz (outside KSO courses)  
- DTN 523-4407

CSC/AT - Debra Rackly - DTN 435-2268

MA - Karen Burette - DTN 288-6790

MA - NATA - Susan Maddick - DTN 621-2391

U.S. Headquarters, European and non-Soft-  
ware Services personnel should contact  
Sharon Shay, Bedford Registrar, at DTN:  
249-4671. Dates and locations are subject  
to change. ■

## March 1985 offerings from Seminar Programs

VAX is a popular seminar topic this month  
with seminars ranging from **VAX DATA-  
TRIEVE: Accessing Information to  
VAX/VMS V4 Update to VAX-11 DATA-  
TRIEVE Introduction**. There is a total of  
nine VAX seminars in March.

Personal Computing seminars continue  
with a total of nine scheduled. Titles include:  
*Advanced Lotus 1-2-3, What A Rainbow  
Can do for You and Using CPM*. These are  
short (one or two days) interactive seminars.

**RSTS/E V9 Update Seminar** is sched-  
uled frequently with several offerings for em-  
ployees only.

### BOSTON AREA SEMINARS

(\*NOTE: All seminars are customer and em-  
ployee only offerings unless otherwise  
specified)

### VAX/VMS Distributed Processing

March 4-5, 1985  
Course Number: EY-2060E-SO  
Registration: DTN 249-4949

### RSTS/E V9 Update

March 4-5, 1985  
Course Number: EY-2331E-SO  
Registration: DTN 249-4949

### RSX-11M System Performance Manage- ment

March 4-6, 1985  
Course Number: EY-1361E-SO  
Registration: DTN 249-4949

### End-User Computing and Fourth Genera- tion Languages

March 4-6, 1985  
Course Number: EY-2341E-SO  
Registration: DTN 249-4949 ■

## Digital Management Education offers 'English as a second language'

This program is designed for anyone at Digi-  
tal whose native language is not English.  
Participants will determine his/her abilities  
and needs through self-assessment tech-  
niques. Through individual and small group  
work, participants will improve their written  
and spoken communication in the work-  
place.

Participants will:

- demonstrate an increased command of  
spoken English.
- improve grammar skills through weekly  
practice sessions.

The first class date is Monday, March 4.  
The course will then continue for 10 consec-  
utive Mondays beginning with Monday,  
March 18.

To register, please call the DME registrar  
at DTN: 249-1881/1882 or (617) 276-  
1881/1882. ■



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

Call the following DTN numbers to join  
these routes.

### VANPOOLS

#### TO ACTON (ACO)/MAYNARD

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

#### TO ACTON (AKO)/MAYNARD

From Amherst, NH, Doug Ryder DCV #63,  
288-7606  
From Salem, NH, Rick Jaeger DCV #138,  
223-6120

### TO MARLBORO

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

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

From Memorial Dr., Cambridge, Rob Davis  
DCV #124, 231-6496

From Watertown, Newton, Ron Lusk DCV  
#119, 231-7157

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

### TO MAYNARD/STOW

From Burlington, 128 area, Jim Byrne DCV  
#108, 223-4168

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

### TO MAYNARD

From Peabody, Phil Baxter DCV #107,  
223-1961

From Nashua, NH, Bob Cormier DCV  
#123, 275-6232

From Amesbury, Haverhill area to  
LJO/ACO/MLO/PKO, Pat LoConte DCV  
#129, 223-3067

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

From Forest Hills, Chestnut Hill, Route 9,  
Beacon Street, Brookline, Frantz Jean-  
Gilles DCV #139, 223-8405 (7:45-4:30)

From Leominster/Fitchburg area, Melissa  
Breault DCV #146, 223-7328

### TO SHREWSBURY/NORTHBORO

From Boston, Cathie Ryan DCV #117,  
234-5390

### FORMING VANPOOLS TO NORTHBORO

From Maynard, Pat Dunnigan, 234-4030 ■

## Digital opens new CAD/CAM center in Detroit area

Digital has announced a new center for Computer-Aided Design and Manufacturing (CAD/CAM) with integrated office automation. The center will assist Detroit-area businesses in understanding and using CAD/CAM technology.

As one of Digital's 19 CAD/CAM sites worldwide, the new 15,000-square-foot facility will serve as an Application Center for Technology and information resource for engineers and manufacturers.

By working with Digital's specialists, each customer can configure proposed systems and operate actual equipment and software. In evaluating a computer system, customers also will be assisted in considering such factors as future expansion needs, integration of existing equipment, and employee training.

On a daily basis, the center can demonstrate software applications in distribution management, statistical process control and monitoring, and manufacturing simulation. Automotive release processing and the integration of office tasks in an engineering/office environment are examples of other applications demonstrated at the center.

According to Peter J. Smith, vice-president of Computer-Aided Engineering and Manufacturing (CAEM) Group, the new center, "further Digital's commitment to provide an effective integration environment for engineers and manufacturers. The Digital Style of Computing provides a compatible architecture and wide range of applications that can be supported by our expertise and service."

At the center, Digital's BASEWAY product set is featured here as a manufacturing integration solution. BASEWAY software directly addresses the needs for computer networking, transferring information from application to application, and working with a common

user interface. It also allows for the integration of industrial equipment, such as programmable controllers, robots, numerical control machines, terminals and bar code readers, with manufacturing application software.

The Farmington Hills site is part of Digital's worldwide strategy to bring computer technology closer to customers. It follows Digital centers such as those in Irvine, Calif., for aerospace and electronics; Houston for earth resource engineering/processing and manufacturing; Turin, Italy for CAD/CAM; and Tokyo for CAD/CAM.

Each Digital center has the capability to demonstrate integrated office automation and networking along with resources to provide support and services for the particular needs of that regional area. The centers also offer specialized consulting services and provide customer training on Digital's products through its Educational Services department.

Farmington Hills is also the location of a Digital Field Application Center (FAC) at which factory automation solutions are provided to industry on a project basis. At the FAC, production machines are integrated into computer-based information networks where performance data is combined from individual machines into easy-to-read, up-to-the-moment production line reports. ■

## Advanced Development proposals needed

The Corporate Research and Advanced Development Committee (RAD) is currently seeking quality proposals for innovative hardware, software and systems technology.

Any technology field is fair game. In the past, RAD has supported efforts ranging from laser drilling to the human factors of text editors.

The committee will be allocating approximately \$2.9 million during FY86 for projects. The current funding cycle requires that proposals be submitted by March 14. RAD will consider proposals outside the usual funding cycle.

Anyone interested should contact managers or Anna Gorski, RAD Administrator at DTN 289-1825 or on the ENET at KELVIN::GORSKI. ■

## Blood drive in Shrewsbury

The Shrewsbury Health Services is planning a blood drive on Thursday, February 28 from 8 a.m. to 2 p.m. in Conference Room 360. Call DTN 237-2313 or 237-2047 for an appointment. ■



## TICKET SALES

The Corporate Employee Services and Recreation Department is offering tickets for sale to sports, entertainment and travel events.

### Bruins games

A limited number of tickets are available for two hockey games: Bruins versus St. Louis on Thursday, March 21 at 7:35 p.m. and Bruins versus Toronto on Sunday, April 7 at 7:05 p.m. Both games are at Boston Garden in Boston, the seats are in the end balcony and tickets cost \$13.50 each. Registration deadline for the March 21 game is February 22 and the deadline for the April game is March 8.

Due to the expected demand for these tickets, employees are reminded that when ordering tickets they must submit separate order forms for both games, there is a limit of six tickets per game per order, a self-addressed, stamped envelope must be included, and orders will be returned if forms are not correct or an envelope is not enclosed.

### 1985 Spring Garden and Flower Show

The 1985 Spring Garden and Flower Show sponsored by the Massachusetts Horticultural Society will be held at the Bayside Exposition Center in Boston from Saturday, March 9 through Sunday, March 17. Tickets are available to employees for \$5; regular price is \$6. Children under 12 accompanied by a parent are admitted free. Ticket orders must be received by February 18.

### Boston Ballet's Swan Lake

The Boston Ballet will be performing "Swan Lake" on Saturday, April 20, 2 p.m. at the Wang Center in Boston. Employees may purchase tickets that sell regularly for \$22.50 for only \$18 per person. Registration deadline for this event is March 25.

### Washington, D.C. tour

A Cherry Blossom, Dinner Theatre tour of Washington, D.C. will be held from March 28-31. Participants will go on a tour of the nation's capitol via motorcoach. The four-day trip costs \$199 per person, double occupancy.

Employees may order tickets for individual events through their local Employee Activities departments by mailing a check made out to the DEC Recreation Association with a self-addressed stamped envelope and the following information: name, location/stop, DTN, badge number, home address, number of tickets, to DEC Recreation Association, P.O. Box 1009, Concord, Mass. 01742. Ticket orders are honored on a first-come, first-served basis. ■

## Engineers . . .

*Continued from page 1*

When Jim and Ed are home between trips working at the WVO facility they answer technical inquiries from worldwide distributors and fill out trip reports. Both say they get restless in between trips. "I get bored at home and am always hoping to hear about the next trip. I like the job because I don't know from one day to the next what to expect. It's here today, gone tomorrow. I can pack for a trip in 10 minutes," says Jim.

Jim, who has worked for Digital for 15 years, and Ed, who has been with the company for eight years, enjoy having to travel frequently for work and look forward to many more trips. "I have many slides of the places I've visited," says Jim. Ed adds that "my children look forward to the different postage stamps that I bring back for them to add to their collections." ■