

digital

UPDATES & SCHEDULES

UK Edition

Summer 1990

42

DIGEST



stay ahead with Inside Track

Educational Services



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Digital Educational Services can offer you a wide and expanding choice of training programmes to suit your training needs. We can deliver our courses in a variety of formats. DIGEST (a short form of **Digital Educational Services Today**), highlights our Lecture-Based, Seminar, Self-Paced and Individual Learning Centre training, but we can also present any of our lecture-based courses on your premises. We also have a team of Educational Consultants who specialise in helping customers plan their own training requirements.

Prices are valid for the 3 months covered by this DIGEST unless the duration or content of a course changes. Prices apply to the UK only, and exclude VAT which should be added, where appropriate, at the current rate.

July 1990

Dear Customer

Welcome to DIGEST 42 detailing our six monthly schedule of training available at our centres throughout the UK.

In our last issue of DIGEST Plus, you will have read about our training at the Strathclyde Institute in Glasgow and the announcement of a further seven courses available there. This being in line with our recognition that all businesses need to be aware of their costs, and being able to offer uniform training close to your base is something we will continue to explore.

In this issue of DIGEST, we've dedicated an article to our highly successful "Inside Track Seminar Programme". This popular programme brings you vital IT management information on strategic initiatives implemented by enterprises like your own and is definitely worth a read...

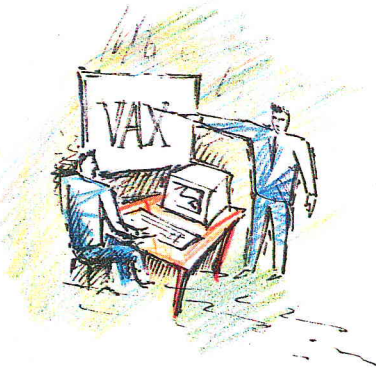
We also announce a number of new and revised courses across our curriculum and a selection of 'soon to become available' informative Digital Press books.



David Beardmore

UK Customer Training Manager

Flexible Training Options



LECTURE-BASED TRAINING

Our lecture-based training takes place in one of our 4 highly-equipped training centres around the UK. Our centres are an ideal learning environment conducive to absorbing technical information. In addition, an experienced instructor will always be present to monitor students' progress and coach them according to their individual needs.

SELF-PACED INSTRUCTION (SPI)

Self-paced courses use proven educational techniques to allow students to progress at their own rate. Some courses are packaged as books and come complete with exercises and solutions; others are available in audio-visual format or computer-aided instruction.

INDIVIDUAL LEARNING CENTRE TRAINING (ILC)

We have 7 ILC's across the country offering a selection of our self-paced courses: Reading, Basingstoke, London, Welwyn Garden City, Manchester, Newcastle, and Livingston.

Students at an Individual Learning Centre work at their own pace in private booths amid the most up-to-date teaching technology.

MANAGEMENT INFORMATION SEMINARS

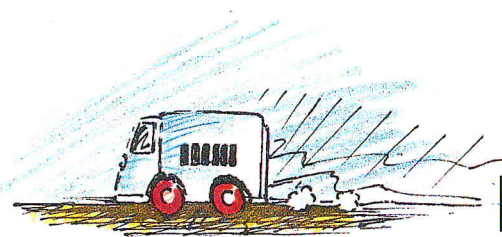
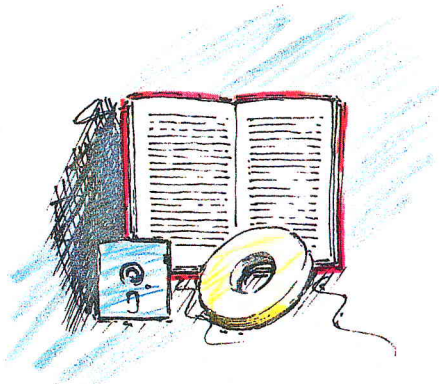
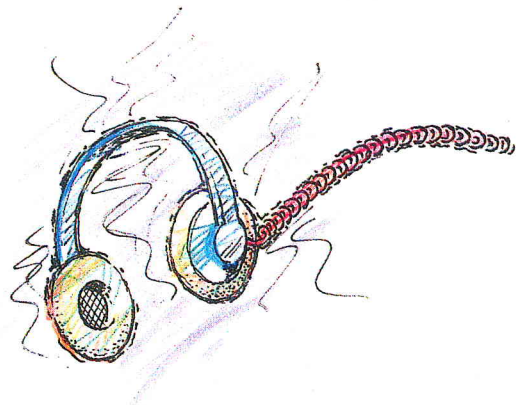
These events, held in hotels in the North and South of the UK, are aimed at keeping high level Managers up to date in the ever-changing environment of Information Technology. Seminars are workshop oriented and offer plenty of opportunity for discussion rather than practical exercises.

ON-SITE TRAINING

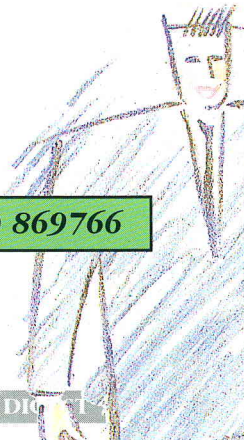
If you need to train large numbers of employees on the same computer application, it is quite probable that an "in-house" approach would be the most cost effective. At its simplest, this will involve sending one of our experienced course instructors to run one of our standard courses on your own company premises. Alternatively, our courses can be modified or "tailored" more precisely to your organisation's needs.

NEEDS ANALYSIS

Digital helps you choose your training by providing specialist advice. Our team of Educational Consultants can establish your skill requirements by looking at the skills you need to enhance your business, establishing a structured training programme which will meet your needs, and continuing to support this programme by providing on-going advice as the training progresses.



 For further information, call Reading (0734) 869766



DECUS – What is it?

DECUS is the short form of **D**igital **E**quipment **C**omputer **U**sers **S**ociety. Its aim is to provide a forum for the exchange of information and ideas.

Whether you use Digital computers to run a small office or a multinational company, you can rely on first-class back up from Digital Equipment Co. Limited. However, there is one form of help that can sometimes be even more valuable – learning from others using the same equipment and who may have had similar experiences.

While managed independently by its members, DECUS works closely with Digital to meet the needs of its users. This special relationship promotes active support by Digital who provide a full-time secretariat, representatives to the DECUS groups, and speakers and equipment for the various events. Equally – DECUS can have an impact on the future of Digital products through feedback obtained from its members.

How DECUS helps you....

Annual conference and training seminars offer you an exciting forum where you can exchange computing information and ideas. There you can meet other users, Digital staff and see Digital technology in action.

Many activities are centred on a variety of Special User Groups. These are formed when people who share a common interest, or who are located in the same area, get together to organise activities to suit their interests. Many of these groups hold regular meetings, publish newsletters, run a tape library and organise sessions at the annual conference. They also have connections with other similar groups worldwide.

Whatever applications you have for your Digital computer system you will probably find a DECUS member who has experience from which you can benefit. Sharing common experiences with others is what DECUS is all about.

DECUS membership is **FREE** and is open to both technical and non-technical users with an active interest in Digital products and/or services.

For further information, please call our DECUS Administration Office on Reading (0734) 315182.

Digital's 'Inside Track' brings you vital IT management information you won't find anywhere else....

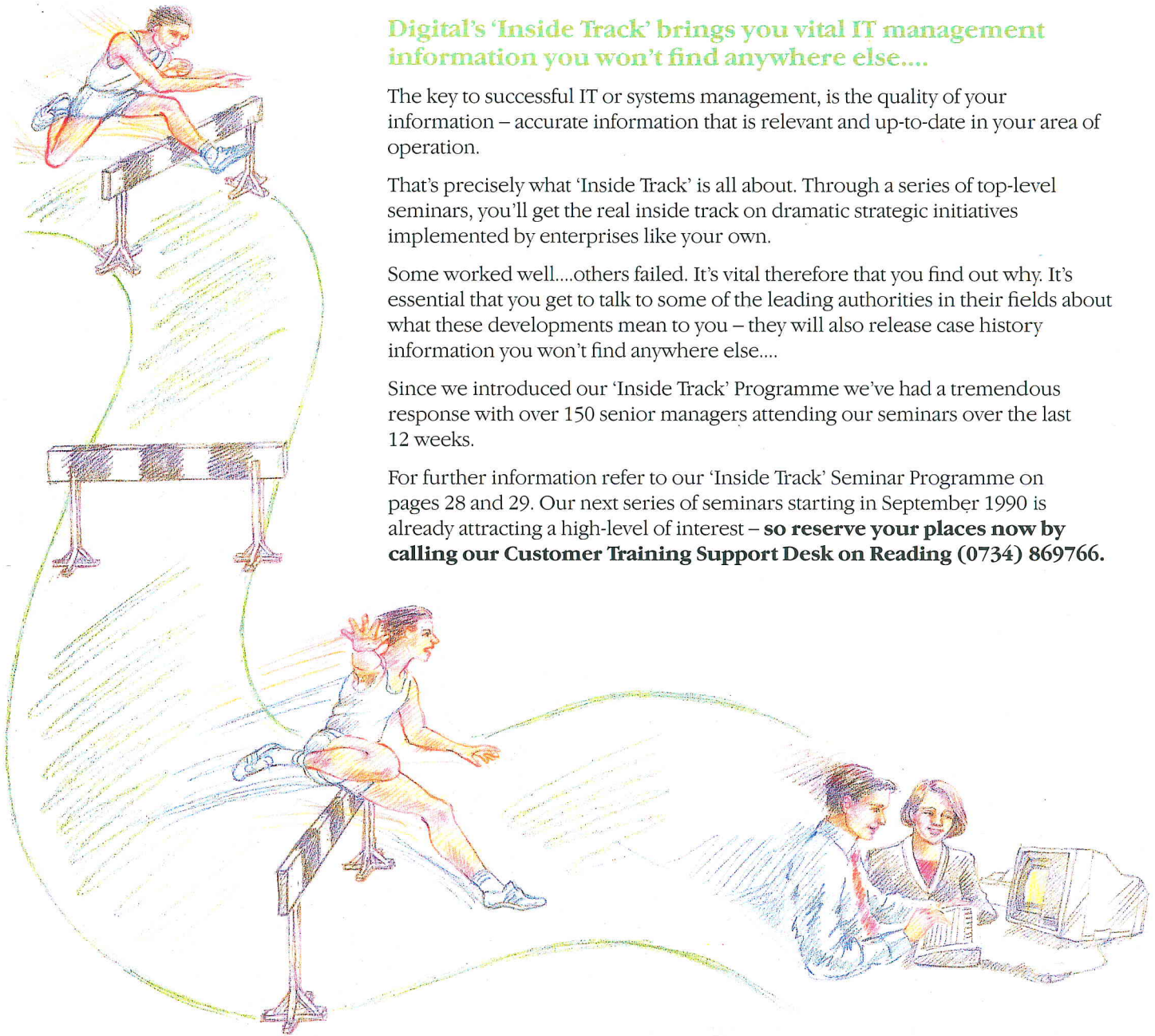
The key to successful IT or systems management, is the quality of your information – accurate information that is relevant and up-to-date in your area of operation.

That's precisely what 'Inside Track' is all about. Through a series of top-level seminars, you'll get the real inside track on dramatic strategic initiatives implemented by enterprises like your own.

Some worked well....others failed. It's vital therefore that you find out why. It's essential that you get to talk to some of the leading authorities in their fields about what these developments mean to you – they will also release case history information you won't find anywhere else....

Since we introduced our 'Inside Track' Programme we've had a tremendous response with over 150 senior managers attending our seminars over the last 12 weeks.

For further information refer to our 'Inside Track' Seminar Programme on pages 28 and 29. Our next series of seminars starting in September 1990 is already attracting a high-level of interest – **so reserve your places now by calling our Customer Training Support Desk on Reading (0734) 869766.**



Want to get the best out of our new ULTRIX and VMS releases....

....then call Reading (0734) 869766 for the latest news of when and where our update seminars for the new versions of ULTRIX and VMS are available.

ULTRIX V4.0 and VMS V5.4 have enhancements, new features, and functions that further enrich the working environment provided by these operating systems.

If you're to get the most from your investment a short, intensive updating seminar will get your people into top gear as quickly as possible.

Revised courses for VMS V5.4

All our popular VMS courses are being revised to reflect the new features and functions of VMS V5.4. This includes the following courses:

- VMS User
- VMS System Management
- VMS System Management II
- VMS System Performance Management
- VMS System Security Features
- VMS Internals 1, 2 and 3
- VMS Device Drivers.

New titles

Our two VAXcluster courses have new titles with effect from this issue of DIGEST:

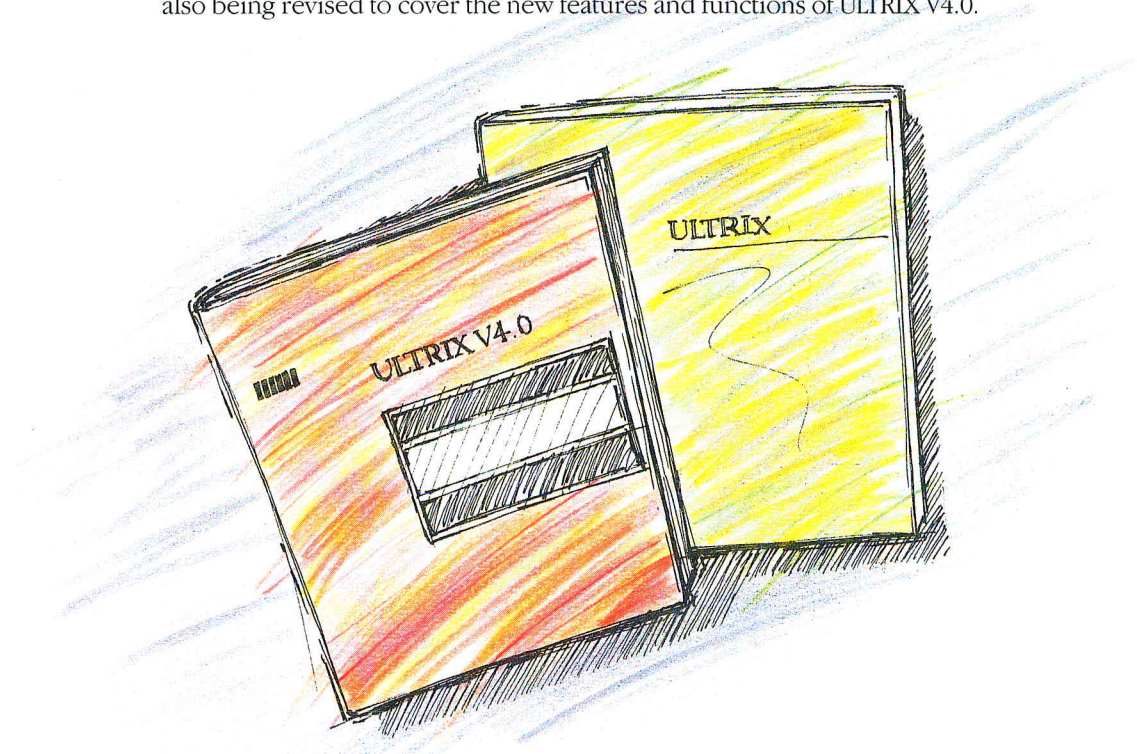
Old Title	New Title
<i>VAXcluster System Management</i>	<i>VAXcluster System Configuration and Management</i>
<i>Local Area VAXcluster Management</i>	<i>Local Area VAXcluster Configuration and Management</i>

Both these courses are being revised and updated. Watch out for the revised course announcements in future issues of DIGEST.

 For further information, call Reading (0734) 869766

Revised courses for ULTRIX V4.0

Our ULTRIX Utilities and Commands and ULTRIX System Management courses are also being revised to cover the new features and functions of ULTRIX V4.0.



Digital Press

VMS Internals and Data Structures: Version 5 Update Xpress Volume 4 Goldenberg-Kenah-Dumas

This fourth volume in the series contains information from the forthcoming VMS Internals and Data Structures Version 5 book, covering VMS Symmetric Multiprocessing, Process Control, Bootstrap Procedures and I/O System Services. All 7 chapters reflect our VMS operating system revisions through Version 5.2.

Digital Technical Journal – Volume 2 – Issue 2 (EY-C197E-DP) VAX 6000 Model 400 System

The VAX 6000 family of systems provides a highly configurable and expandable computing environment. Because the same cabinet, buses and power systems are used by all family members, systems can be easily expanded to achieve higher levels of performance.

The Model 400 is the latest addition to the family and papers in this issue of the Technical Journal describe innovations and additions such as a new vector processor and a higher performance scalar processor module, chip-set design and verification, physical technology advances and system test.

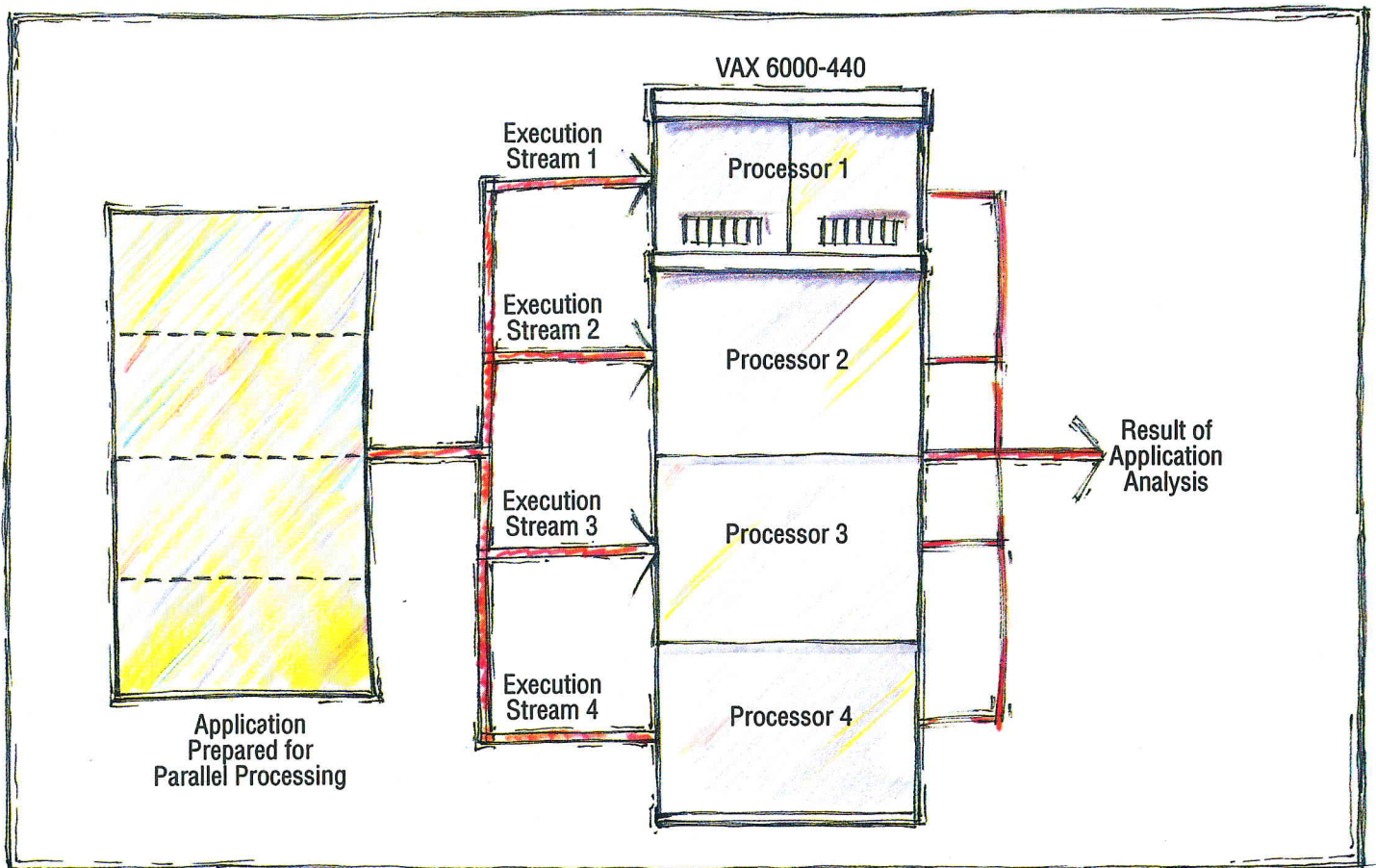
 For further information, call Reading (0734) 869766

Revised courses....

The following 3 language courses have been revised:

- Programming in Ada (reference number – 4274E)
- Programming in 'C' (reference number – 1925E)
- FORTRAN for VAX and PDP Systems (reference number – A751E)

Our courses in Ada and C are now presented in our standard lecture-based format with student guides more consistent with many of our latest lecture-based courses with a clearer, larger typeface and a more open layout.

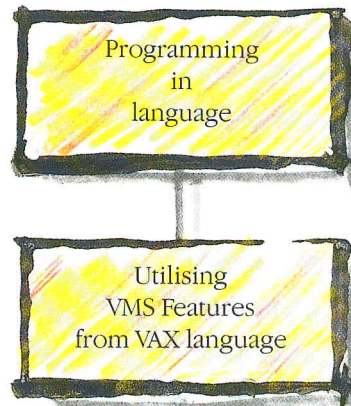


At runtime, VAX FORTRAN applications can process execution streams in parallel. The number of processors to be utilised in this case is four. Parallel applications can run on any target VAX system, and debugged using the VAX Symbolic debugger.

For further information, call Reading (0734) 869766

Title Change

For some time we have used the title 'Advanced Programming' to head a list of courses that follow on from first-level programming. Typically, programmers, analysts, software engineers, designers and so on followed a path like this:



At this point there are several possibilities including:

- Learn Digital's VAXset tools
- Follow DECtp training
- Pursue VMS internals.

Often at this stage in a career software developers are using a structured approach to developing software and following an established method through a software development lifecycle.

The efficient use of tools – either as part of an operating system or as optional software products – provides many benefits including software:

- Getting to markets/users quicker
- Needing less maintenance/repair
- Meeting specifications of higher quality, that is, less error-prone.

SOFTWARE ENGINEERING is the use of tools and methods to achieve goals like these and we shall be using this name in our title henceforth.

Training on new software engineering products and tools will be added to this portfolio as the training and software becomes available.

RMS Structures and Utilities on VMS

Our 5-day course 'RMS Structures and Utilities on VMS' has been revised and updated to accommodate changes in the file system introduced in recent releases of VMS. In addition, there has been a title and reference number change. The new course is titled 'VAX RMS Structures and Utilities' (reference number D556E).

 **For further information, call Reading (0734) 869766**

New CBI courses available.....

Three new courses dealing with Digital's VAXset have been released:

- Using VAX DEC/CMS in the DECwindows Environment (Order numbers: EY-C201E-MT for magtape (1600 bpi) and EY-C201E-TK for TK50)
- Using VAX LSE and VAX SCA in the DECwindows Environment (Order numbers: EY-C202E-MT for magtape (1600 bpi) and EY-C202E-TK for TK50)
- Using VAX DTM and VAX PCA in the DECwindows Environment (Order numbers: EY-C203E-MT for magtape (1600 bpi) and EY-C203E-TK for TK50)

While each course is considered to take about one day to complete, their very nature permits study at the student's leisure.

For further details of these courses please call Reading (0734) 854058.

Digital Press

X Window System – Second Edition (EY-E755E-DP)

Robert W Scheifler & James Gettys

This book consists of 4 main parts, each with a standard specification produced by the M.I.T X Consortium for X Version 11 – Release 4.

- Part I Xlib – C Language X Interface
- Part III X Window System Protocol
- Part III Inter-Client Communications Conventions Manual
- Part IV X Logical Font Description

By combining these into one volume, the book is a complete and up-to-date X Window System reference tool. In addition, there is a detailed glossary and a comprehensive subject-oriented index which serve to enhance the overall usefulness and value of the book.

X Window System Toolkit – The Complete Programmer's Guide and Specification (EY-E757E-DP)

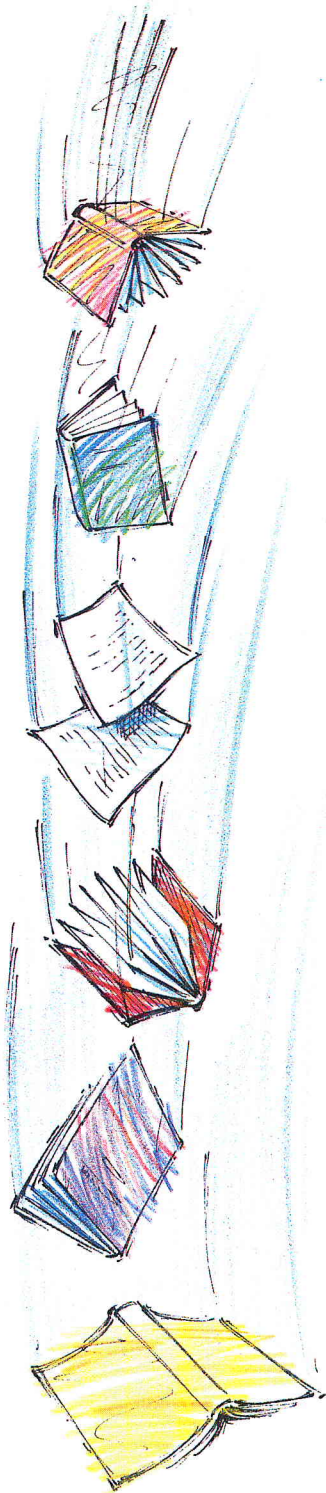
Paul Asente & Ralph Swick

This book consists of 2 parts:

- A Programmer's Guide
- Xt Specification

The Programmer's Guide describes how to use the X Toolkit to write applications and widgets, and includes many examples.

The Specification describes the capabilities more succinctly and precisely, with a level of detail sufficient to enable a programmer to create a new implementation of the X Toolkit.



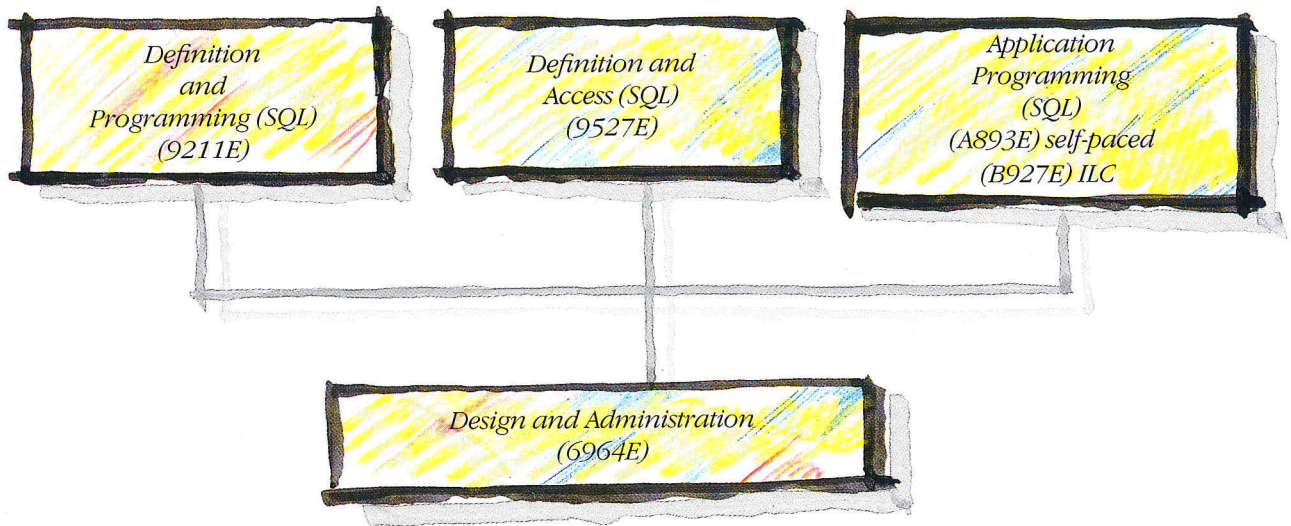
Consolidation of Rdb/VMS Curriculum


The last year has been a period of change for many Rdb/VMS users, not only have we seen a movement to more complex multfile databases but also a transition from RDML to SQL, which is now established as the preferred language for new application development.

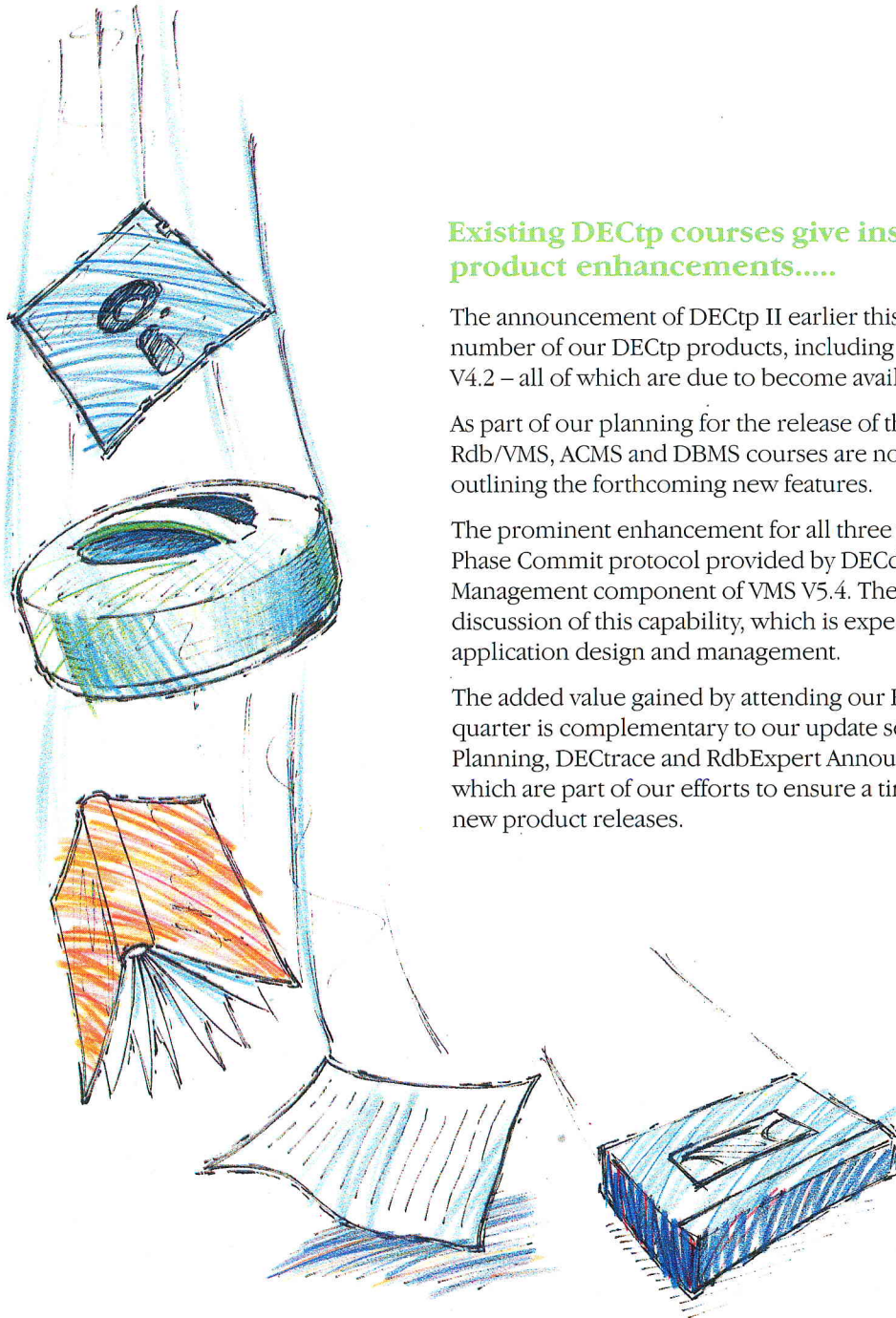
With this in mind, we have consolidated the Rdb/VMS curriculum. Our scheduled programming courses (including self-paced) are now all SQL-based. Our combined RDML and SQL course (reference number 2263E) is now available only by special arrangement, and our VAX RDML/VMS Definition and Programming (reference number 9525E) has been withdrawn.

In addition, the course materials used on the Rdb/VMS Design and Administration course (reference number 6964E) have now been updated to reflect SQL.

Rdb/VMS Curriculum Map



 For further information, call Reading (0734) 869766



Existing DECtp courses give insight into forthcoming product enhancements.....

The announcement of DECtp II earlier this year heralded major new versions of a number of our DECtp products, including Rdb/VMS V4, ACMS V3.2 and DBMS V4.2 – all of which are due to become available in the coming months.

As part of our planning for the release of these new versions, all lecture-based Rdb/VMS, ACMS and DBMS courses are now including an additional session outlining the forthcoming new features.

The prominent enhancement for all three products is the support for the Two-Phase Commit protocol provided by DECdtm – the new Distributed Transaction Management component of VMS V5.4. The new course sessions will include a discussion of this capability, which is expected to have a large impact on application design and management.

The added value gained by attending our Rdb/VMS, ACMS and DBMS courses this quarter is complementary to our update seminars: DECtp II Announcement and Planning, DECtrace and RdbExpert Announcement and VMS V5.4 Update – all of which are part of our efforts to ensure a timely and rewarding transition to our new product releases.

 For further information, call Reading (0734) 869766

Cost of Network Ownership

Following the article in DIGEST 41, referring to Dr Treacy's independent study on this important subject, we are now able to offer you the following self-paced course.

Cost of Network Ownership Analysis Guide – EY-C195E-IX

The primary intent of the Cost of Network Ownership Analysis Guide is to:

- Determine and manage the costs of owning an existing network
- Compare the costs between existing networks
- Optimise the cost-effectiveness of alternative designs for a network
- Present the model and process to upper management.


Included with this course is a LOTUS 1-2-3 based spreadsheet containing a complete set of data entry tools and forms, as well as capabilities to summarise, print and support your analysis of network costs.

We are able to offer you this new 2.5 day course in text-based (with media) format at a price of £250.00 + VAT. To purchase this package, please call (0734) 854058 for details. If you would like to receive a copy of the full course description, simply complete and return the reply-paid card at the back of this DIGEST.

Consultancy is also being developed to follow on from this self-paced course, enabling companies to carry out:

- Detailed analysis of their own network costs based on the model
- Comparative analysis on their industry sector.

Look out for further details in our next issue!

 **For further information, call Reading (0734) 869766**

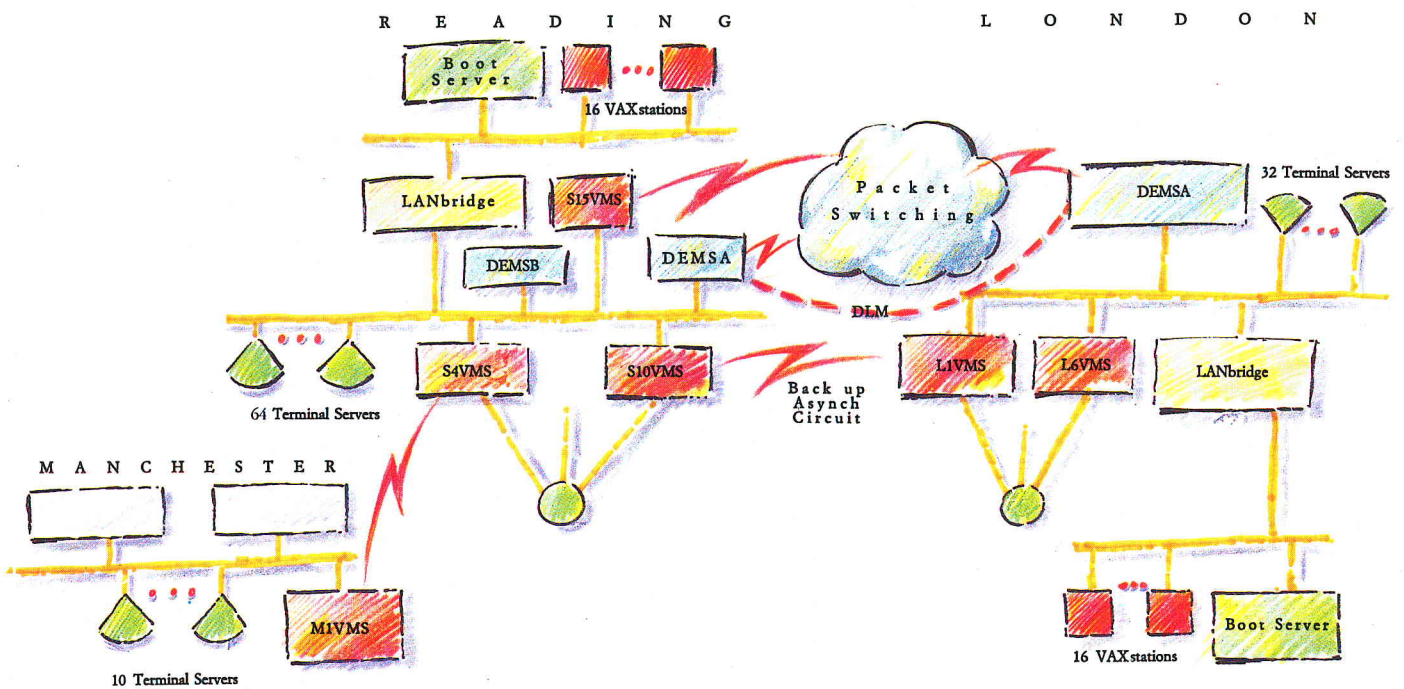
New Course Network Operator

DECnet-VAX Operator (reference number E585E) is designed for people who have the day-to-day task of maintaining (but not managing) a DECnet-VAX network.

This new course will give the participant a hands-on approach to DECnet-VAX operations from the perspective of maintaining a problem free network.

Although the main emphasis of the course is on system and network monitoring with a methodology to successful fault isolation, an overview of the capabilities of DECnet and initial node configuration will be given.

If you would like a full course description for this new 5-day lecture-based course, simply complete and return the reply-paid card at the back of this DIGEST.



A partial view of the Customer Training Network

 For further information, call Reading (0734) 869766

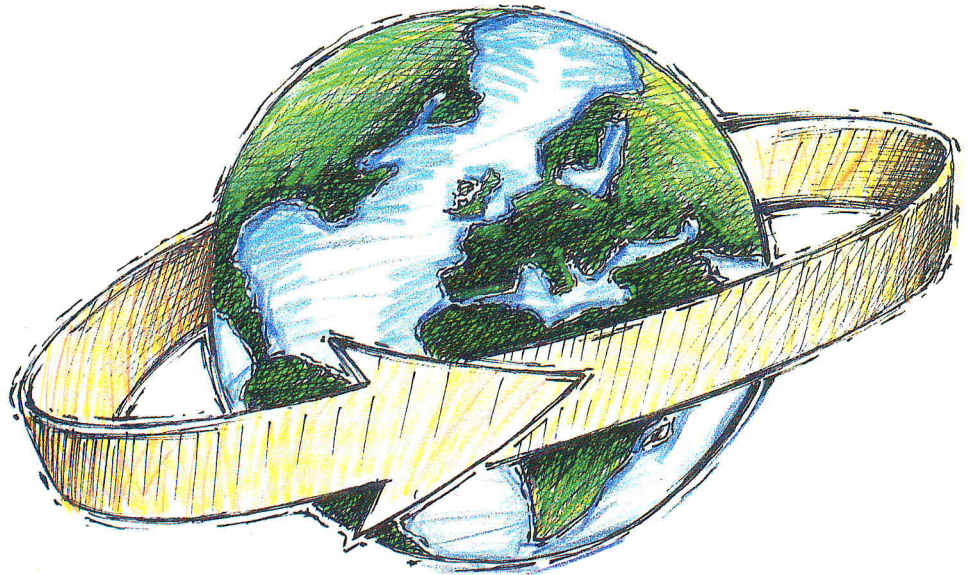
New course Managing DEC/EDI

This new 5-day training course (reference number E862E) provides a comprehensive overview of EDI and its various components.

The core section of the course includes an introduction to general management. Additional modules include information on management tasks and problem-solving. An application interface module shows how to interface EDI with existing applications using the tools provided.

Before taking this course, you should be familiar with:

- The concepts of EDI
- Current EDI terminology and standards
- How your organisation will use EDI.



Digital/IBM Complementary Computing – Course special....!

Our **22nd October 1990** offering of this course (reference number 8348E) will be special. Previously the course has been aimed at network managers and planners who work in an IBM/SNA environment. This next offering is aimed at network managers and planners who work in a DECnet environment and who need an understanding of the IBM/SNA environment.

The course will focus on the Digital/IBM Interconnect product set, and will give an introduction to the opportunities brought about by interconnecting IBM and Digital networks.

 **For further information, call Reading (0734) 869766**

Office Information Systems

KEY Venue: MCR = Manchester; LON = London;
 RDG = Reading; STR = Strathclyde; HOT = Course run in an hotel
 ILC = Individual Learning Centre (located in Reading, Basingstoke, London,
 Welwyn Garden City, Manchester, Newcastle and Livingston).
 SPI = Self-paced Instruction- packaged courses to study on your own premises.
 The letter in the grid indicates the starting day of the course: M = Monday;
 Tu = Tuesday; W = Wednesday; Th = Thursday; F = Friday.

COURSE TITLE	REF No.	VENUE	PRICE	DAYS	JULY					AUGUST					SEPTEMBER					OCTOBER					NOVEMBER					DECEMBER							
					02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31						
ALL-IN-1 V2.3																																					
ALL-IN-1 V2.3 User	A996E	MCR	£350	2				M									Th																				
	A996E	LON	£350	2		Th							Tu																						M		
	A996E	STR	£350	2			M																														
ALL-IN-1 System Administrator	A995E	MCR	£380	2				W																													
	A995E	LON	£380	2				Th					Th																								Th
Using WPS-PLUS V3.0 on ALL-IN-1 or VMS	D201E	MCR	£490	3				M																													
	D201E	LON	£490	3		W								M																							W
Advanced WPS-PLUS V3.0 on ALL-IN-1 or VMS	D202E	MCR	£380	2																																	
	D202E	LON	£380	2										Th																							Th
ALL-IN-1 V2.3 System Manager	B003E	MCR	£890	5				M																													
	B003E	LON	£890	5		M								M																							M
	B003E	STR	£890	5											M																						M
Application Programming on ALL-IN-1 V2.3	8319E	MCR	£890	5																																	M
	8319E	LON	£890	5				M																													M
	8319E	STR	£890	5					M																												M
Document Processing	8319E	STR	£890	5				M																												M	
ALL-IN-1 Application Programming II	D212E	LON	£800	4																																M	
Using WPS-PLUS List and Sort	B977E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Using WPS-PLUS MATH	B978E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Using DECpage	D203E	LON	£210	1										W																							
Using WPS-PLUS/DOS	8595E	LON	£490	3				M																												M	
Advanced WPS-PLUS/DOS	8569E	LON	£230	1				Th																												Th	
Getting Started on your DECmate	1399E	LON	£490	3				M																												M	
DECmate Advanced User	1420E	LON	£380	2				Th																												Th	
DECmate LIST/SORT	1421E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Using the LN03 with DECmate	8322E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Using the Pagemaker Publishing System	9161E	LON	£350	2	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
DECISION SUPPORT TOOLS																																					
Introduction to 20/20	8619E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Making Effective Use of 20/20	8620E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
20/20 Extended Application Builder	8621E	LON	£210	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Using LOTUS 1-2-3	2304E	LON	£490	3																																M	
BUSINESS COMMUNICATIONS																																					
VAX VTX Infobase Designer and Provider	9199E	LON	£490	3	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
VAX VTX System Operator	2327E	LON	£380	2	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Conferencing with VAX Notes	9193E	TBA	£230	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
PERSONAL COMPUTING																																					
Getting Started with dBASE III Plus	7887E	LON	£350	2	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Overview of Integrated Personal Computing	7818E	LON	£230	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6											
Learning MS-Windows in a PCSA Environment	D204E	SPI	£125	1	T	E	X	T	-	B	A	S	E	D		I	N	S	T	R	U	C	T	I	O	N											
How to use DECwindows	D209E	LON	£230	1	M																															M	
Page Layout and Design	D205E	LON	£230	1	F																															F	
Using DECwrite	D208E	LON	£620	3	Tu																															Tu	

To book your course, call Reading (0734) 869766

Artificial Intelligence

KEY Venue: MCR = Manchester; LON = London;
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					02	09	16	23	30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	10	17	24	31
Artificial Intelligence: An Introduction and Overview	7248E	RDG	£230	1	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Artificial Intelligence Languages: An Overview	7251E	RDG	£890	5	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Programming in OPS5	7252E	RDG	£1060	5	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Programming in LISP	7253E	RDG	£1060	5	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Programming in Prolog	7254E	RDG	£1060	5	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Advanced Programming in Prolog	9485E	RDG	£1060	5	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					
Knowledge Acquisition Analysis and Design	7224E	RDG	£740	3	P	L	E	A	S	E		C	A	L	L	0	7	3	4		8	6	9	7	6	6					



To book your course, call Reading (0734) 869766

Two new seminars....

In today's world of high-technology it is vital you have information systems that work for your business. It isn't enough just simply having a business strategy – the information systems used to support that strategy must equally be planned with your business to maximise opportunities.

With the above in mind, we have introduced two new seminars which are targeted at raising the awareness within an organisation of the need to think of information and its handling as a strategic issue (E587E) and then giving tools and methods with which to do it (E586E).

Staying Ahead of IT

– Business and Information Technology working together (E587E)

This new 2-day seminar (reference number E587E) deals with the strategic importance of Information Technology (IT). Aligned with the Business Strategy, an IT Strategy can bring real business benefits. This seminar asks, 'What is an IT Strategy?', 'How to link IT and Business Strategy', and helps you understand how to measure and justify the use of IT.

Target Audience: People who decide to use IT
People who plan the use of IT
People who determine WHAT it is IT will do for them

You will get: Information to help decide WHAT to do with IT

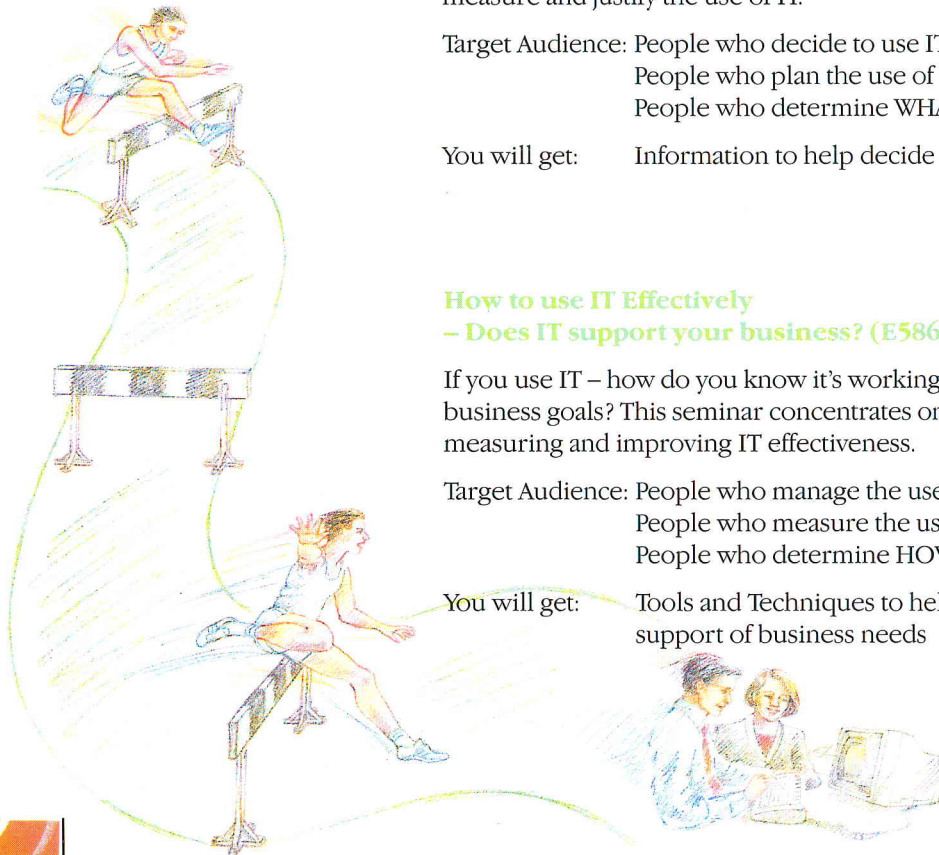
How to use IT Effectively


– Does IT support your business? (E586E)

If you use IT – how do you know it's working for your business in support of business goals? This seminar concentrates on setting business targets for IT and measuring and improving IT effectiveness.

Target Audience: People who manage the use of IT
People who measure the use of IT
People who determine HOW IT is to meet business targets

You will get: Tools and Techniques to help define HOW IT is to work in support of business needs



 For further information, call Reading (0734) 869766

Digital Press - Price List

Ordering Information

Please enclose your cheque made payable to 'Digital Equipment Co Ltd' and post with your order to: **The Digital Bookshop,
Shire Hall, P.O. Box 106,
Reading RG2 0TE.**

Our telephone number is Reading (0734) 854058. All prices include postage and packing for delivery within the UK. No VAT is required on Digital Press books.

PART NUMBER	BOOK TITLE	DIGEST PRICE
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Operating Systems - RSX

EY-6708E-DP	RSX: A Guide for Users	23.00
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Operating Systems - VMS

EY-3459E-DP	VAX Architecture Reference Manual	32.50
EY-6738E-DP	Beginner's Guide to VAX/VMS Utilities and Commands	18.50
EY-6739E-DP	VAX/VMS User's Guide	23.00
EY-6740E-DP	Computer Programming & Architecture: The VAX-11 (2nd Edition)	30.50
EY-8264E-DP	VAX/VMS Internals and Data Structures (V4.4)	60.50
EY-C168E-DP	VAX/VMS Writing Real Programs in DCL	24.00
EY-C171E-P1	VAX/VMS V5 Update Xpress Volume 1	28.00
EY-C171E-P2	VAX/VMS V5 Update Xpress Volume 2	28.00
EY-C171E-P3	VAX/VMS V5 Update Xpress Volume 3	28.00
EY-C171E-P4	VAX/VMS V5 Update Xpress Volume 4	28.00
EY-F575E-DP	VMS File System Internals	TBA

Operating Systems - UNIX

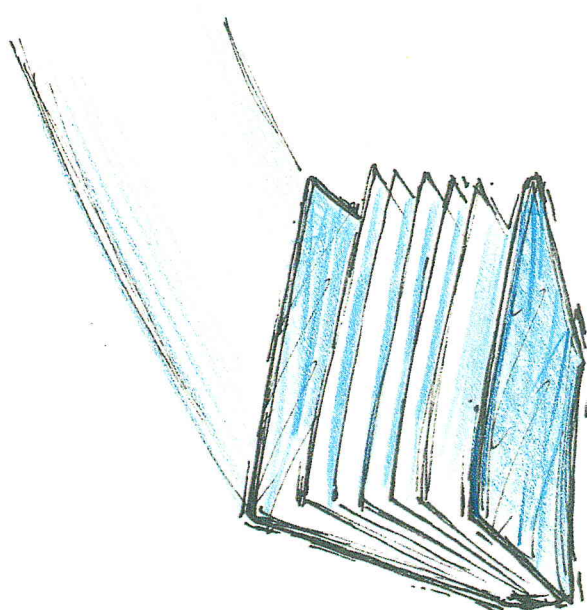
EY-C177E-DP	UNIX for VMS Users	23.00
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Windowing

EY-E755E-DP	X Window System (Second Edition)	40.00
EY-E757E-DP	X Window System Toolkit: The Complete Programmer's Guide and Specification	32.00

General Subjects

EY-3433E-DP	The Digital Dictionary (2nd Edition)	23.50
EY-8292E-DP	ABC's of MUMPS: An Introduction for Novice and Intermediate Programmers	20.00
EY-C167E-DP	Information Technology Standardisation	20.00
EY-C178E-DP	The Digital Guide to Software Development	22.50
EY-C198E-DP	Working with WPS-PLUS	20.00



Packaged Course Price List

KEY

MT = Magnetic Tape (1600 bpi)	PR = Course Package (no media)
TK = TK50 Tape	PO = Course Package (no media)
RX = RX50 Diskette	PH = VMS video
PS/SP = Student Package only	PU = Umatic video

INTRODUCTION TO COMPUTERS			
	(\$) Price	VAT	Order No.
Introduction to VMS Computer-based Course Package	525.00	78.75	EY-3499E-MT/TK/RX
Ten Additional Student Workbooks	160.00	N/A	EY-3499E-SP
Introduction to UNIX Text-based Course Package	160.00	N/A	EY-2228E-PO
Introduction to EDT Computer-based Course Package	525.00	78.75	EY-3500E-MT/TK/RX
Ten Additional Student Cards	35.00	N/A	EY-3500E-SP
Introduction to EVE Computer-based Course Package	525.00	78.75	EY-3514E-MT/TK/RX
Ten Additional Student Cards	35.00	N/A	EY-3514E-SP
OPERATING SYSTEMS			
VAX/VMS System Architecture Video-based Course Package	2890.00	433.50	EY-3496E-PH/PU
One Additional Set of Student Materials	110.00	N/A	EY-3496E-SP
VMS Utilities and Commands Text-based Course Package with Media	790.00	118.50	EY-3501E-MT/TK/RX
One Additional Set of Student Materials	265.00	N/A	EY-3501E-SP
VMS Advanced Command Procedures Text-based Course Package with Media	420.00	63.00	EY-3506E-MT/TK/RX
One Additional Set of Student Materials	160.00	N/A	EY-3506E-SP
Introduction to VMS System Operation Computer-based Course Package	1000.00	150.00	EY-3502E-MT/TK/RX
Ten Additional Student Cards	35.00	N/A	EY-3502E-SP
VMS Operator Text-based Course Package with Media	790.00	118.50	EY-3503E-MT/TK/RX
One Additional Set of Student Materials	265.00	N/A	EY-3503E-SP
Introduction to VMS System Management Computer-based Course Package	950.00	142.50	EY-3504E-MT/TK/RX
One Additional Set of Student Materials	55.00	N/A	EY-3504E-SP
VMS System Management Text-based Course Package with Media	895.00	134.25	EY-3505E-MT/TK/RX
One Additional Set of Student Materials	315.00	N/A	EY-3505E-SP
Local Area VAXcluster Configuration and Management Text-based Course Package	750.00	N/A	EY-D626E-PR-MT/TK
Managing VMS System Security Computer-based Course Package	1200.00	18.00	EY-D619E-HT/TK
VMS System Management: Small System Environment Text-based Course Package	315.00	N/A	EY-3518E-PR
One Additional Set of Student Materials	80.00	N/A	EY-3518E-SP
Multiprocessing Systems and Applications Concepts Video-based Course Package	1800.00	270.00	EY-3487E-PH/PU
One Additional Set of Student Materials	140.00	N/A	EY-3487E-SP
VAX Cluster Management Text-based Course Package	685.00	N/A	EY-3507E-PR

OPERATING SYSTEMS			
	(\$) Price	VAT	Order No.
*VAX/VMS Starter Kit	4800.00	720.00	EY-9801E-PH
*VAX/VMS User's Start Kit	4200.00	630.00	EY-9802E-PH
*MicroVAX/VMS Starter Kit	1700.00	255.00	EY-9800E-TK
*MicroVAX/VMS 3500/3600 Starter Kit	2250.00	337.50	EY-9799E-TK
*For details of contents please refer to page			
UNIX Concepts Video-based Course Package	210.00	31.50	EY-2679E-PH/PU
Additional Student Materials (10 students)	55.00	N/A	EY-2679E-SP
UNIX Text Processing Utilities Text-based Course Package	265.00	N/A	EY-2232E-PO
ULTRIX-32 Utilities and Commands (V4) Text-based Course Package with Media	750.00	112.50	EY-D631E-MT/TK
One Additional Set of Student Materials	275.00	N/A	EY-D631E-SP
ULTRIX-32 System Manager (V4) Text-based Course Package with Media	795.00	119.25	EY-D630E-MT/TK
One Additional Set of Student Materials	345.00	N/A	EY-D630E-SP
RSX-11M Utilities and Commands Text-based Course Package with Media	525.00	78.75	EY-6722E-MT
One Additional Set of Student Materials	265.00	N/A	EY-6722E-SP
RSX-11M-PLUS Utilities and Commands Text-based Course Package with Media	525.00	78.75	EY-6723E-MT
One Additional Set of Student Materials	265.00	N/A	EY-6723E-SP
Micro/RSX Utilities and Commands Text-based Course Package with Media	525.00	78.75	EY-6724E-TK/RX
One Additional Set of Student Materials	265.00	N/A	EY-6724E-SP
RSX-11M-PLUS System Manager Text-based Course Package	685.00	N/A	EY-6731E-PR
PROGRAMMING			
Lessons on Ada Computer-based Course Package	1580.00	237.00	EY-3431E-MT/TK/RX
One Additional Set of Student Materials	55.00	N/A	EY-3431E-SP
Programming in VAX BASIC Text-based Course Package with Media	400.00	60.00	EY-A421E-MT/TK
One Additional Set of Student Materials	265.00	N/A	EY-A421E-SP
UNIX: Introduction to C Text-based Course Package	140.00	N/A	EY-2235E-PO
Programming in VAX COBOL Text-based Course Package with Media	420.00	63.00	EY-3493E-MT/TK/RX
One Additional Set of Student Materials	160.00	N/A	EY-3493E-SP
Programming in VAX FORTRAN Text-based Course Package with Media	315.00	47.25	EY-2692E-MT/TK/RX
One Additional Set of Student Materials	160.00	N/A	EY-2692E-SP

Courses at Individual Learning Centres

KEY

CBI - Computer Based Instruction	TBM - Text Based Instruction with specially developed files
IVIS - Interactive Video	A/V - Audio Visual Instruction
TBI - Text Based Instruction	

Number	Course Title	Format	Days	Price (£)
INTRODUCTION TO COMPUTERS				
5537E-IV	Introduction to the PDP-11	IVIS	4	680
5563E-IV	Hardware and Software Fundamentals	IVIS	5	760
9553E-KO	Introduction to EDT	CBI	1	230
9554E-KO	Introduction to EVE	CBI	1	230
9556E-KO	Introduction to VMS	CBI	1	230
OPERATING SYSTEMS				
9557E-KO	Introduction to VMS System Operation	CBI	1	230
9558E-KO	VMS Operator	TBM	5	760
9559E-KO	VMS Utilities and Commands	TBM	5	760
9560E-KO	Introduction to VMS System Management	CBI		230
9561E-KO	VMS System Management	TBM	5	890
B913E-KO	VMS System Management: Small System Environment	TBI	2	450
B915E-KO	Advanced VMS Command Procedures	TBM	1	270
C046E-KO	VMS System Architecture	A/V	3	370
B956E-KO	ULTRIX-32 System Manager	TBM	5	890
B975E-KO	ULTRIX-32 Utilities and Commands	TBI	5	760
B941E-KO	RSX-11M Utilities and Commands	TBM	5	760
B942E-KO	RSX-11M-PLUS - Utilities and Commands	TBM	5	760
B974E-KO	RSX-11M-PLUS System Management	TBI	5	890
C106E-KO	RSX-11M Operator	TBI	5	760
C107E-KO	RSX-11M System Management	TBI	5	890
PROGRAMMING				
3530E-IV	Introduction to VAX MACRO	IVIS	2	380
B916E-KO	Programming in VAX BASIC	TBI	5	760
B922E-KO	Programming in VAX FORTRAN	TBM	5	760
B972E-KO	Programming in VAX PASCAL	TBM	5	760
B915E-KO	UNIX: Introduction to 'C'	TBI	3	530
C047E-KO	Programming in MACRO-11	TBI	5	760
ADVANCED PROGRAMMING				
9555E-KO	Introduction to VAXTPU Programming Language	TBM	1	230
B914E-KO	VMS Symbolic Debugger (for FORTRAN Programmers)	TBM	2	450
B917E-KO	Utilising VMS Features from VAX BASIC	TBM	5	890
B918E-KO	Utilising VMS Features from VAX PASCAL	TBM	5	890
B919E-KO	Utilising VMS Features from VAX 'C'	TBM	5	890
B921E-KO	Utilising VMS Features from VAX COBOL	TBM	5	890
B923E-KO	Utilising VMS Features from VAX FORTRAN	TBM	5	890
B973E-KO	Utilising VMS Features from VAX MACRO	TBM	5	890
C049E-KO	Using the VAX Language Sensitive Editor	CBI	1	230
C050E-KO	Using VAX DEC/CMS and VAX DEC/MMS	CBI	1	230
B953E-KO	Using 'C' with ULTRIX-32	TBI	3	620
B944E-KO	Programming RSX-11M in FORTRAN	TBM	5	890
B945E-KO	Programming RSX-11M in MACRO	TBM	5	890
DECtp				
B925E-KO	Database Systems Concepts	A/V	1	230
B924E-KO	Introduction to VAX FMS Form Driver	CBI	1	270
B927E-KO	VAX Rdb/VMS Application Programming Using SQL	TBI	4	800
B923E-KO	VAX DATATRIEVE: Interface to VMS	TBI	2	530
B933E-KO	VAX DATATRIEVE for Users	CBI	1	230
B934E-KO	VAX DATATRIEVE for Programmers	CBI	3	620
C108E-KO	Using CDD/Plus	TBM	3	620
C109E-KO	VAX ACMS System Management and Operations	TBI	3	740
DATA COMMUNICATIONS AND NETWORKS				
2592E-IV	Communications, Interfaces and Modems	IVIS	1	230
2593E-IV	Introduction to Networks	IVIS	0.5	115
2830E-IV	Data Communications Fundamentals	IVIS	0.5	115
B935E-KO	Introduction to Data Communications	A/V	2	380
B936E-KO	DECnet Network Management	TBI	3	740
B937E-KO	Programming DECnet-VAX	TBI	3	620
B938E-KO	Programming DECnet-RSX	TBI	3	620

COURSE CONFIRMATION



HOW TO BOOK YOUR COURSE

First, make a provisional telephone booking to the Customer Training Support Desk on (0734) 869766. Then complete the form below and return it within two weeks with your cheque and/or training vouchers to:

**The Course Registrar,
Digital Equipment Co. Ltd.,
PO Box 106, Shire Hall, Reading,
Berkshire RG2 0TE.**

Prices do not include VAT, travel, accommodation or meal costs.

ACCOMMODATION AND TRAVEL: These are the responsibility of the customer. Joining instructions which include a list of hotels, a route map and travel details will be sent to you with confirmation of your booking.

CONFIRMATION FORM

COMPANY DETAILS: To enable us to respond within 24 Hours, please quote your Customer Account No: _____

Booking Contact _____ Position _____
 Organisation _____
 Address _____
 Post Code _____ Telephone Number _____ Date _____

PARTICIPANT DETAILS: (If the Joining Instruction are to go to a different address please advise us in the box provided overleaf)

Participant's Name	Nationality	Course Ref No.	Course Name	Date	Location

The above bookings are on booking ref no(s): _____

PAYMENT METHODS: I enclose the following (Please Tick)

Cheque for £ _____ made payable to Digital Equipment Company Ltd. _____
 Please invoice my Company on Purchase Order No. _____
 (Address if different from Company Details) _____
 Optimum Account/Digital Education Account. Please debit our Account no: _____
 Training Vouchers _____ I have read the terms and conditions overleaf and agree to abide by them
 Signature of person making the booking _____ Date _____

OFFICE USE ONLY

A/C No. _____ Payment Enclosed _____
 BI/BK date _____
 Initials _____ Authorised Signatory _____

Checked

Notes

Notes

FREE SUBSCRIPTION TO DIGEST

Name _____ Title (Mr, Mrs, Miss, Other) _____
 Position _____ Department _____
 Company _____
 Address _____
 Post Code _____ Telephone No. _____

Please complete this information if you or any other member of your company would like to receive the DIGEST every quarter - FREE of charge.

What role do you play in training? (Tick as many boxes as apply)

1. Book training courses for:
 - All employees in your company
 - Personnel at this site only
2. Specify/propose training courses for:
 - Your company's entire personnel
 - Personnel at this site only
3. Attend courses

Do you control a training budget Yes
 No

If Yes: What is the annual training budget within your control?

- 0 to £10,000
- £10,001 to £50,000
- £50,001 to £100,000
- £100,001+

If No: Who does control the training budget?
 For this site:

Name _____
 Position _____
 For the whole company:
 Name _____
 Position _____

How many employees are there at this site?

- 0 - 25
- 26 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- 501 - 1,000
- 1,001+

Please indicate approximate turnover (£ million of your company)

- 0 - 1
- 1 - 10
- 10 - 50
- 50 - 100
- 100 - 500
- 500+

How many employees would attend computer training courses over a period of 1 year? _____

Please indicate which of the following Digital Products are applicable to your company:

- | | |
|--------------------------------------|--|
| VMS <input type="checkbox"/> | ULTRIX/UNIX <input type="checkbox"/> |
| DECnet <input type="checkbox"/> | ALL-IN-1 <input type="checkbox"/> |
| VAXset/CASE <input type="checkbox"/> | DECwindows <input type="checkbox"/> |
| DECtp <input type="checkbox"/> | P.C.S.A. <input type="checkbox"/> |
| DECwrite <input type="checkbox"/> | DECpage <input type="checkbox"/> |
| EDI <input type="checkbox"/> | Artificial Intelligence <input type="checkbox"/> |

What is the nature of your business?

FREE INFORMATION SERVICE

Please indicate which new products and services you would like further information on. (Tick as many boxes as apply).

Operating Systems Courses

- Understanding VMS Internals: A Technical Overview
- Local Area VAXcluster Configuration and Management (SPI)
- UNIX and ULTRIX Systems Overview
- Managing VMS System Security (SPI)

Advanced Programming (Software Engineering)

- Using VAX LSE and VAX SCA in the DECwindows Environment
- Using VAX DTM and VAX PCA in the DECwindows Environment
- Using VAX DEC/CMS in the DECwindows Environment

Data Communications and Networks Courses

- DECnet-VAX Operator
- Cost of Network Ownership Analysis Guide(SPI)
- Managing DEC/EDI

Seminars

- Staying Ahead of IT
- Design of Distributed Systems and Computer Networks
- An Introduction to Digital
- How to use IT Effectively.

...or general information on Digital Training

- Software Training Catalogue (Edition 2)
- I should like an expert to contact me about Training Services

Is there anyone else in your company who should receive this information?

Name _____
 Position _____
 Name _____
 Position _____

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Notes

Digital Training Centres in the UK

digital

Reading (L/L and ILC)

Shire Hall
Shinfield Park
Reading
Berkshire RG2 0TE

London (L/L and ILC)

James Watt House
279 Tottenham Court Road
London
W1P 9AA

Manchester (L/L and ILC)

Arndale House
Chester Road
Stretford
Manchester M32 9BH

Glasgow (L/L)

The Strathclyde Institute
Exchange House
229 George Street
Glasgow G1 1RX

Welwyn Garden City (ILC)

Progress House
The Boulevard
Welwyn Garden City
Hertfordshire AL7 1LS

Newcastle (ILC)

Digital House
Fifth Avenue Business Park
Tean Valley Trading Estate
Gateshead NE11 0NB

Livingston (ILC)

Kirkton Business Centre
Kirk Lane
Livingston Village
West Lothian

Basingstoke (ILC)

Hampshire House
Wade Road
Basingstoke
Hampshire RG24 0PL

KEY

L/L - Lecture/Lab
ILC - Individual Learning Centre

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