

*Autumn 2001*



*News*

*Volume 7 Number 3*

## What's in a Name

In June Fujitsu Limited announced that it would bring its flagship overseas IT services and consulting subsidiaries, ICL and DMR Consulting, to the Fujitsu corporate name as part of an effort to strengthen its global IT solutions brand. Fujitsu is already among the world's top three services groups, with more than 2 trillion yen (US\$16.3 billion) in consolidated services and software revenue and active in over 50 countries. Its intention is to build on its leadership position by leveraging and enhancing the individual and collective strengths of ICL and DMR Consulting under the common Fujitsu brand.

Naoyuki Akikusa, President & CEO of Fujitsu Limited commented that he believed that it is now the right time to draw upon the technical expertise and service quality of both ICL and DMR by shifting them to the Fujitsu corporate name and working under a unified brand and common mindset to deliver a full range of globally consistent yet locally attuned services to satisfy customer needs in the future.

The corporate name changes are scheduled to be completed in the current fiscal year ending March 2002 and should take advantage of Fujitsu's three-year, \$500 million global corporate brand advertising campaign, now entering its second phase. In conjunction with the first phase of the global brand initiative, ICL and DMR Consulting last year both adopted the descriptor "A Fujitsu Company" as part of their corporate logos.



Details regarding the newly announced corporate renaming, including the new company names and rollout schedule for particular operations in different countries, will be announced during September.

Will the ICL name disappear? Is the name important? A change of name can sometimes harm an organisation. AXiS may have regretted changing from AMSU in 1995, losing touch with a number of long term loyal supporters who felt they could not relate to the new name.

And ICL seems to be losing many supporters too. During the course of seeking membership renewals earlier this year some 20% reported that they had moved or were in course of migrating from VME this year and considered membership of AXiS no longer relevant. The latter is something for the Executive Committee and the membership to address quite soon and particularly in the context of ICL's formal support for the group being substantially reduced. By the time of our Autumn Conference we should know a little more about ICL's future identity and there will be an opportunity to discuss both informally and formally what should be the AXiS response.

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about AXiS from our  
very own Web site:

Visit at:  
<http://www.axis.org.uk>

## Dates for the Diary 2001

25/26th Oct Autumn Conference : Bisham Abbey, Near Marlow  
12 November Deadline for copy for AXiS News Vol 7 No 4  
11 December OPERA meeting : Camden Town

For updates watch the Events page on the AXiS web site : <http://www.axis.org.uk>

## Editorial

This edition of AXiS News is being prepared in and around the paperwork required for the Autumn Conference. In fact that has taken precedence so I am later with the news than originally planned.

There has been little group activity since the last issue, indeed since the Spring Conference, other than the Executive Committee getting together as required to progress plans for the Autumn Conference. Fortunately with all members of the Committee now able to communicate via e-mail we can handle quite an amount of business electronically. This reduces the need to travel up and down the country as often as we did in days gone by.

You will see from the Autumn Conference programme that a General Meeting has been scheduled. This will provide an opportunity to formalise the appointment of Chairman and Vice-Chairman, and seek new members for the Executive Committee. The current Committee is well stretched at present - particularly noticeable when conference planning and arranging is on the table. It is as much the injection of additional thinking power that is required as pairs of hands. So if you can spare a little time and would like to help shape the future of AXiS please get in touch with me in the first instance.

### Don Folland

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Don't forget the AXiS Autumn 2001  
Conference.  
See the programme on pages 6 and 7

## e-Commerce News

*brought to AXiS with the assistance of Cobbetts*

### Internet in action

Cobbetts, the Manchester-based solicitors who were very helpful to the AXiS Year 2000 Focus Group, have reported that with eight other law firms, they were able to ease the stresses of coping with the transfer of 4,000 properties as part of the £1.6 billion buyout of Whitbread's pubs to Morgan Grenfell Private Equity through the use of email and other Internet services.

Cobbetts, Slaughter & May, Blake Laphorn, Theodore Goddard, Forbes & Partners, Addleshaw Booth & Co,

**AXiS News**

## Vice Chairman's Column

As I write this, the initial details for the AXiS Autumn Event at Bisham Abbey are being mailed to the membership. By the time you are reading this you should have received the programme and booking details. I hope that you will be attending because I would like to meet more of the members at this event.

We are sorry that this event had to be moved from the date that we had originally published. There is a lot of work involved in putting on an event and your committee is currently small in number. We realised that it would be impossible for us to complete all the tasks required within the time which we had available. However, now that the programme has been published, I am sure that you will agree that it is varied, interesting, informative and well worth your attendance on one or preferably both days.

Can I make my usual appeal for early booking – it does make administration much easier. We have contractual obligations with the venue to arrange catering and use of other facilities on certain dates and a large number of late bookings can make this difficult.

Looking at the programme I can see some exciting presentations, I will resist the temptation to single any out, but I know which I will be attending. Those who attended our Spring event at Bisham will notice some adjustments and improvements. For example, we will be having lunch in a separate area which will give more opportunities to meet and chat with other delegates.

I certainly hope this has whetted your appetite for this event. If you require any further information please contact Don Folland or myself.

**Harold Cloult**

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Nickerby Watterson, Semple Fraser and Morgan Cole – all acting for Whitbread – co-ordinated the sale largely through e-mail and the Internet. A 'virtual data room' was created by Slaughter & May's IT Department, comprising a website containing all the documentation relating to the deal. By its completion, the site contained more than 30,000 separate documents.

### Court applications by e-mail

In an innovative move to cut costs and court delays, Preston Combined Court recently launched PREMA

(Preston E-mail Application Service), allowing solicitors to issue and serve applications by e-mail to the Court from their offices. Applications will be considered by a Judge and will, where possible, be resolved without recourse to a court hearing. In order to make use of the scheme, solicitors must first obtain the approval of the other parties in the proceedings. Thereafter, any e-mail application to the Court must simultaneously be made to the other parties who may, without waiting to be invited, make representations to the Judge immediately. The Scheme is to be trialed for an initial six-month period but, if successful, could become a permanent feature.

During this trial period there are no special security measures in place for e-mail communications over the internet. However, if the scheme is adopted on a permanent basis, it may make use of certificates and a 'public key infrastructure' in order to afford a greater degree of security.

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## New Top Level Domains

The first introduction of global domain registries in almost 20 years has been welcomed by the Internet Corporation for Assigned Names and Numbers (ICANN) as a significant step in the effort to provide on-line users with a variety of domain name services and options. There are seven new domain registries planned (.aero; .biz; .coop; .info; .museum; .name and .pro) of which four - .biz, .info, .name and .pro – are to be "un-sponsored". It is already possible to register for the following

### **.biz**

NeuLevel (<http://www.neulevel.com>) is the company that has been chosen by the Internet Corporation for Assigned Names and Numbers (ICANN) to become the Registry operator for .biz which will be a restricted Top

Level Domain (TLD) open only for bona fide commercial/business purposes. .biz names that have been awarded will become operational in October 2001.

### **.info**

.info will be an unrestricted TLD operated by Afilias and open to any business or persons to register for any purpose. Afilias (<http://www.afilias.com>) is a consortium of eighteen of the world's leading domain name registrars, which have operations spanning North America, Europe, Asia, and the Middle East. .info is the most inclusive domain on the web because, universally, the Internet is synonymous with information and the benefits that come with having more information. That means .info represents the best solution for a diverse and growing group of web endeavours. Businesses, individuals, public groups, brands, government agencies and other groups will all benefit from using .info which is accessible globally by all Internet Service Providers.

### **.name**

.name is the only top-level domain created specifically for individuals. As it is based on your name, and the only suffix is .name, it will be easy to remember. It only advertises you, not some Internet service provider or portal and it can be owned forever. If you have other email addresses, it will forward email to those addresses, whether you change jobs, countries, or spouses. It can even be passed on to your children. It is like owning a piece of real estate or property on the Internet.

There are several organisations, such as Total Registration (<http://www.totalregistration.com>) which offer registration for .name as well as the other new domains.

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## ICL News

### **'Open Door' centre enters Information Age**

Open Door, the Livingston based homeless accommodation for 16-21 year olds, is benefiting from a new ICT system as a result of a project spearheaded by ICL Scotland and with support from Microsoft, Telewest, Stiel Networks and Lexmark.

Open Door was established in 1986 to plug the gap between young people leaving their last home and finding a new, permanent one.

"Previously, most of our work was dealt with manually and computers had a minimal role to play in the day to day running of the centre," said Richard Amos, project manager at Open Door. "Although we had an office PC, we found it to be more of a hindrance than a labour-saving device. Most of the staff had little experience of working with computers and we weren't sure how we could actually use them to make our lives easier. This lack of expertise had a knock-on effect to our residents. How could we show them how to work computers when we were unclear ourselves? We knew that we desperately needed help and then ICL Scotland came on board."

ICL Scotland became involved through principal consultant Shaun Willmotts. After hearing about Open Door through his wife who works at the project, Shaun offered his services during his spare time. However, as the size of the project grew, Shaun approached ICL Scotland's director Scott McGlinchey, who agreed to give him time and resources to devote to creating an IT and telecoms infrastructure for Open Door. Scott McGlinchey commented: "It's important that companies help the communities in which they operate. We're proud that we've helped Open Door make a difference to their organisation and help young people in West Lothian."

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## **Cutting the cost, time & risk of implementing Windows 2000**

ICL recently launched Windows Accelerated Deployment, an IT service that can lower the cost and halve the normal implementation time of Windows 2000 to around six months for medium to large enterprises. Initially, the service will be aimed at the local government and financial services sectors, but also it is suitable for other companies looking for a fast return from their investment in Windows 2000.

ICL is offering a standardised implementation for Windows 2000 that meets the majority of requirements for medium and large organisations. This means customers see the benefits of the new operating system much sooner than if it was built for them from scratch. Also, ICL can tailor implementations to meet the organisation's non-standard requirements. All the elements of Windows Accelerated Deployment have already been delivered for previous projects, ensuring successful implementations for customers.

Scottish Building Society is ICL's first customer for Windows Accelerated Deployment. ICL designed, tested and installed the new network infrastructure in less than 12 weeks for all six of the building society's locations (head office and five area offices) which

together control 115 agencies covering the whole of Scotland.

Stuart Aitken, systems administrator at Scottish Building Society said: "ICL's methodology for implementing Windows 2000 enabled everything to be delivered on time and within budget. As a result of ICL's implementation, administration of our network is much more efficient, which has freed up our time to concentrate on more strategic issues."

Martin Doxsey, ICL principal consultant, said: "Windows 2000, and Active Directory in particular, are much more complex than Windows NT. In the current economic climate companies are unwilling to commit the time and money necessary in training IT staff to understand the changes. Throughout the implementation of Windows Accelerated Deployment, ICL works closely with the customer, enabling the transfer of key skills to staff and saving several weeks or months otherwise needed for product familiarisation."

### **The Windows Accelerated Deployment service covers:**

Core Windows 2000 elements such as Active Directory design, server infrastructure with standard builds, network infrastructure such as DNS (Domain Name System), WINS (Windows Internet Naming Service) and DHCP (Dynamic Host Configuration Protocol)

A standard Windows 2000 Professional build with Office 2000 and a standard level of security

Other elements, which are not included as part of the initial service, but can be addressed subsequently in separate work-packages, include:

- Exchange 2000
- Terminal Services
- Web services
- Remote access
- Server consolidation
- Advanced security features such as PKI (Public Key Infrastructure)

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## **Happy 10th birthday to the World Wide Web**

Hasn't it done well! On 6 August 1991, the initial sketches of a system designed to publish universal information on the internet went public to a very mixed welcome. Two engineers at Switzerland's nuclear research laboratory Cern, Tim Berners-Lee and his colleague Robert Cailliau, had conceived of a hypertext system which would allow information in any language or form to be shared across the world.

Many criticised Berners-Lee and Cailliau for inventing yet another mark-up language (something they hadn't in fact done), while others called for an independent browser to be developed to check their specifications were correct. Thanks to many positive responses the concept steadily developed into the World Wide Web that we know today.

**AXiS Autumn Conference 2001: A Sporting Opportunity with AXiS**  
**25<sup>th</sup> and 26<sup>th</sup> October 2001**  
**Bisham Abbey National Sports Centre**  
**near Marlow, Bucks**

<b>Thursday 25<sup>th</sup> October 2001</b>		
10.00	<b>Registration and Coffee</b>	
10.30	Plenary Session: John Davies, Infrastructure Solutions Marketing Manager, ICL	
	<b>VME Exploitation</b>	<b>E-Business Performance</b>
11.30	NOVA Performance John Popplewell, ICL	Understanding your User's Web application experience Scott Dainty, Mercury Interactive
12.30	<b>Lunch</b>	
14.00	Active Print Server Iain Pickering, Network Designers	E-Business Application Performance Assurance (double session Tutorial) Chris Loosley, Keynote Systems
15.00	NOVA and Open VME 4: Early user perceptions Phil Read, Fox IT	
16.00	Plenary Session : VME Survey: report by AG Solutions	
16.45	AXiS General Meeting: Election of Officers; AXiS Forward Planning	
18.30	<b>Reception</b>	
19.30	<b>Conference Dinner</b>	

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<b>Friday 26th October 2001</b>		
09.00	<b>Coffee and Registration for day visitors</b>	
09.30	Plenary Session : Industry Speaker	
	<b>Business Continuity</b>	<b>Network Latency Management</b>
10.30	Business Continuity Options Phil Burgum, SG-RS	End to End Response Times- Measuring your business applications
11.30	User experience with Data Warehousing: Derbyshire Building Society	Matt Dredge, Lucent Technology James Callaghan, EDS Inland Revenue
12.30	<b>Lunch</b>	
14.00	BMC Patrol Paul Arthur, Product Marketing Manager	Optimising Network Performance Carey Sayer, SAROS Technology, OPNET
15.00	Guarding against cost of Applications Downtime David French, Application Availability Specialist, Legato	Network Problem Analysis Made Easy Sonia Aste, SMARTS
16.00	<b>Closing session</b>	

Why not join up with colleagues at the AXiS Autumn Conference 2001. There will be a good opportunity to meet other delegates over lunch each day, or over dinner on the Thursday evening.

For further information, and reservation, contact AXiS Secretary, Don Folland, telephone: 01603 279402 or send an email: [dfolland@axis.org.uk](mailto:dfolland@axis.org.uk), or visit the AXiS web site: <http://www.axis.org.uk>.

# No sleepless nights for IT managers

**Since the chairman and CEO David B. Wright took office in October 2000 Legato Systems has reoriented itself within the scope of his “Customers come first” strategy. The new product roadmap plays a key role in this process.**

Enterprise customers with their increasingly complex IT environments know that the automation level of their processes is a key success factor. Therefore, three tailor-made data management solutions have been developed from the Legato software portfolio for the automation of a multitude of data centre operations. The tried and tested Legato software products for data protection, availability and management form the basic structure of the roadmap.

## Quickly operational

Legato’s innovative approach automates key storage management tasks and, in doing so, saves enormous costs for management, back-up and recovery, and the protection of corporate data. Instead of having to configure complete solutions from individual products in a laborious and time-consuming process, Legato customers can now access suites which have already been pre-manufactured. Nevertheless, the Legato flexibility they are accustomed to still exists.

The three new packages Automated Continuance of Data Centre Operations, Automated Data Centre and Automated Branch Office are also available as “Quick Start” solutions packages with comprehensive implementation and consulting services. The solutions can be put into operation quicker, and training and support take place efficiently and cost-effectively.

## Automated Continuance of Data Centre Operations

The software components of the Automated Continuance of Data Centre Operations suite ensure the uninterrupted operation of all data centre operations and the outsourcing of these processes to other locations. A central aspect of this process is the complete automation and monitoring of the recovery

process in the case of disaster. The efficient, fast and error-free restoration of data stocks is only possible in this way.

In everyday data centre operations the new switchover and recovery procedures offer numerous advantages:

- Selected processes are outsourced in a “Follow the Sun“ strategy from data centre to data centre. This increases the performance for business users and reduces connection costs. The competitiveness of the company is increased.
- Maintenance work, such as the upgrading of applications and servers, can take place through the switchover to secondary locations during normal working hours. The operation of important components is not interrupted.
- Administrators receive comprehensive checking and monitoring possibilities of the distributed infrastructure. The status of the replication process and the individual locations can be continually checked.
- The high level of automation makes complex replication configurations possible. This includes, for example, the combination of bi-directional, synchronous and asynchronous replication with automated throttling and other options which are too labour-intensive when carried out manually.

During normal operations the Legato NetWorker guarantees the backup of data stocks. If the operation of the data centre is outsourced to a second location, the NetWorker ensures interruption-free data protection there as well. The availability when transferring applications to another location is ensured by the Automated Availability Manager for WAN (previously wanCluster). It monitors the data replication and independently informs the administrator about possible errors. A mouse click on the console suffices to outsource the processes.

If a location fails, the NetWorker Recovery Manager (NRM) simplifies the bare metal recovery of the server to boot level. A reinstallation of the operating system is not necessary and the restoration with NRM takes place completely via the network. With Celestra Power the tape recovery can be speeded up even further. The resynchronisation of the new product data and the applications then takes place in the restored data centre via the Automated Availability Manager.

<b>Automated Continuance of Data Centre Operations at a glance:</b>		
<b>Sector</b>	<b>Product</b>	<b>Task</b>
Data protection	Legato NetWorker	Backup, recovery and archiving at all data centres
		Tape recovery
	Legato Celestra Power	Acceleration of tape recoveries
	Legato NetWorker Recovery Manager	Bare-metal, boot-level recovery of the servers
Application availability	Legato Automated Availability Manager for WANs for EMC SRDF	Monitoring and management of wide-area replication
		Data centre monitoring and transfer between the locations in the disaster case. Pro-active optimisation.
	Legato Octopus	Disk-to-disk data replication for wide-area data protection.
Management	Legato Automated Availability Manager Console	Central monitoring and management
		Automated management of the replication process
	Legato GEMS Console	Centralised monitoring and management control.
		Management of NetWorker operations over long distances in several data centres.

## Automated Data Centre

The Automated Data Centre package not only ensures the protection and availability of data in different data centre environments, but also offers all the tools for a comprehensive automation of the total data centre operation: this includes the centralised management of complex environments with heterogeneous server and storage structures, capacity planning and media management, as well as the integration of diverse applications and hardware components.

The most important benefits of the Automated Data Centre Suite are as follows:

- Administrators receive comprehensive checking possibilities for the administration of highly complex, heterogeneous data centre environments. The management overhead is reduced.
- Data protection is improved. At the same time, administrators can automate numerous manual tasks, call up status information about data and applications and initiate recovery processes.
- System and application availability is increased: through the high level of automation the downtimes caused by human error and system failure are reduced.
- Maintenance work on data and systems can be carried out on-line.

- Optimised data centre operation increases competitiveness
- Best of Breed products can be easily integrated through standards and investments are protected.

Consolidated data centres have to rely on simple and fast backup and recovery to ensure the least possible effects on the service levels of network and applications. The Legato NetWorker takes over centralised and automated data protection and restoration to Unix, Windows, NetWare and Linux platforms in this solution. The corresponding NetWorker modules ensure critical business applications remain online and facilitates granular point-in-time recovery. Legato Celestra extends the NetWorker functionality additionally by taking the pressure off servers and networks during backup operations and high-speed recovery. If several NetWorker environments are merged, the Library and Dynamic Drive Sharing functions of the NetWorker can be expanded even further via Legato GEMS SmartMedia.

The Legato Automated Availability Manager monitors and manages the application server and simplifies its operation. Similar to the NetWorker, the Automated Availability Manager automates simple and repetitive tasks carried out by the administrator in heterogeneous server environments and facilitates maintenance work without downtime.

The Legato GEMS Console finally offers the centralised observation and administration of all data protection processes and also comprehensive NetWorker environments from anywhere in the whole company and the trend analysis of historical data. Extended by the Automation Manager Console, GEMS can also be used for the centralised monitoring of applications in the same environments. Of course, this Legato solution can also be fully integrated into already existing systems via NDMP.

### Automated Branch Office

Data in the branches of a company is mostly just as critical to business as the central data centre, and, at the end of the day, the branch is the place where direct contact with customers takes place. Mostly there are not enough IT staff in remote locations. The Legato solutions for the automation of branch offices open up completely new functions for the remote management of branches.

Possibilities with the Automated Branch Office:

- The interruption-free operation of systems and applications is automated. At the same time, the administrator has extensive possibilities for monitoring the distributed infrastructure at his disposal.
- Management tools facilitate the daily, automated backup of files on a local magnetic tape drive, a faster and simplified recovery process by means of file-based Point and Click functions and remote-controlled backup and recovery processes.
- Dependence on expensive WAN links is reduced through the following:
  - local backups
  - automated confirmation after completion of the backup process

- automatic reports from all branches, up to and including the central data centre at the end of the day, if the network traffic is too low
- Best of Breed products can be easily integrated through standards and investments are protected
- Simplified recovery of the system configuration with a replacement system reduces the time required for restoration

At the branch location the Legato NetWorker carries out an automated backup on a local magnetic tape drive every day. Either a specific drive or an autoloader is used. With the NetWorker Recovery Manager boot disks of all major systems are created. After a breakdown the systems, including a comprehensive recovery of all applications, are quickly restored. In the case of less critical system breakdowns, the monitoring and automatic restart of important applications take place via the Legato Co-StandbyServer under Windows. The operation in the branch is not interrupted. The system automatically informs the system administrator, who can then analyse and rectify the cause without time pressure. The solutions are available both for Windows and for UNIX and Linux platforms.

In the central data centre the GEMS Console automatically receives messages from all branch offices when the backups at these locations have been completed, as well as exact reports with all events. If errors occur, the backups can be restarted from the data centre. The central data centre personnel can manage all the NetWorker backup and recovery operations in the distributed branches via the GEMS Console. During this process the same functions are available as on site and the employees can control the whole company-wide infrastructure from the central data centre.

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## Developing provably correct software

Just what we have always wanted - guaranteed bug free software. Not possible? Well Escher Technologies Ltd., a Frimley-based company, believe they have the answer in Perfect Developer, an object-oriented software development tool that for the first time makes it possible to develop software guaranteed to be bug-free. Drawing on techniques used in aerospace and other safety-critical environments, Perfect Developer uses artificial intelligence technology to understand program specifications and generate program code automatically, or verify that developer-supplied code is correct. Hosted on a personal computer running Windows 2000 or Linux, it generates source code in a

programming language that can be compiled for any platform for which a suitable compiler is available.

Although other techniques (such as model checking) have been successfully applied to the verification of small systems, those techniques fail when applied to many practical software systems because they cannot explore the large number of possible states in a reasonable time. In contrast, Perfect Developer uses deductive reasoning to verify software without having to enumerate the possible states.

Further information can be found at the Escher web site: <http://www.eschertech.com>

# The PC is 20 years old

The 12th August 2001 marked the 20th anniversary of the introduction of the PC by IBM. The first system came equipped with word processing software, spreadsheet and an adventure game. The machine cost \$2,665 with a black-and-white monitor and 64 kilobytes of memory. IBM, or at least Ken Batty, marketing manager of the PC division at IBM, remains enthusiastic that the PC will survive for another two decades but critics believe the desktop machine will be obsolete in less than 10 years and replaced by wearable, ubiquitous computers.

There is belief in some quarters that within 10 years the PC will be replaced by high bandwidth and wireless

connection at all times and the electronics for this will be embedded in our clothing and environment. We might expect to be able to visit each other with full immersion visual-auditory virtual reality (wow!) and going to a website will mean entering a virtual reality environment.

Others take the view that whilst the machine's function will change over the next decade or so the core design of the PC will remain the same. It could still be around 20 years from now, in offices and schools, but will include more varied functions. In homes it will be absorbed into a utility for entertainment, communication, control and education.

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## *From the Archives*

*The October 1981 edition of our Newsletter carried an article about the introduction of Prosper Star.*

*Prosper Star is a completely new system for modelling and business planning on 2900 series VME/B machines. It has been developed over the last few years, building on ICL's and Dataskil's experience with the existing Prosper packages running on 1900 and DME systems.*

*Prosper Star is the modelling system for the 1980's that leaves all others far behind in terms of its power, its flexibility and ease of use. The first issue of Prosper Star (1.01) has been on field trial at eight sites in the UK and one in the Middle East for a number of weeks now. Version 1.02 is now available on General Release.*

*Field Trial Sites involved (a couple are still ICL customers in 2001):*

<i>Computel</i>	<i>2976</i>	<i>Fisons Pharmaceuticals</i>	<i>2960</i>
<i>Thorn Television Rentals</i>	<i>2972</i>	<i>Civil Aviation Authority</i>	<i>2960</i>
<i>Automobile Association</i>	<i>2960</i>	<i>Barfic</i>	<i>2970</i>
<i>North West Gas</i>	<i>2972</i>	<i>Kuwait Oil Company</i>	<i>2960</i>
	<i>Post Office</i>	<i>2970</i>	

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## Tailpiece

### **Well really!**

What is the best way to send an SOS when you are castaway on a tropical island? Use a palm-top computer!

# **AXiS Autumn Conference 2001**

**A Sporting Opportunity with AXiS**

**25<sup>th</sup> and 26<sup>th</sup> October**



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near Marlow, Buckinghamshire**

See the Programme on pages 6 and 7 in this issue of AXiS News.