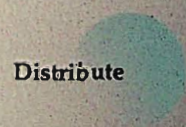
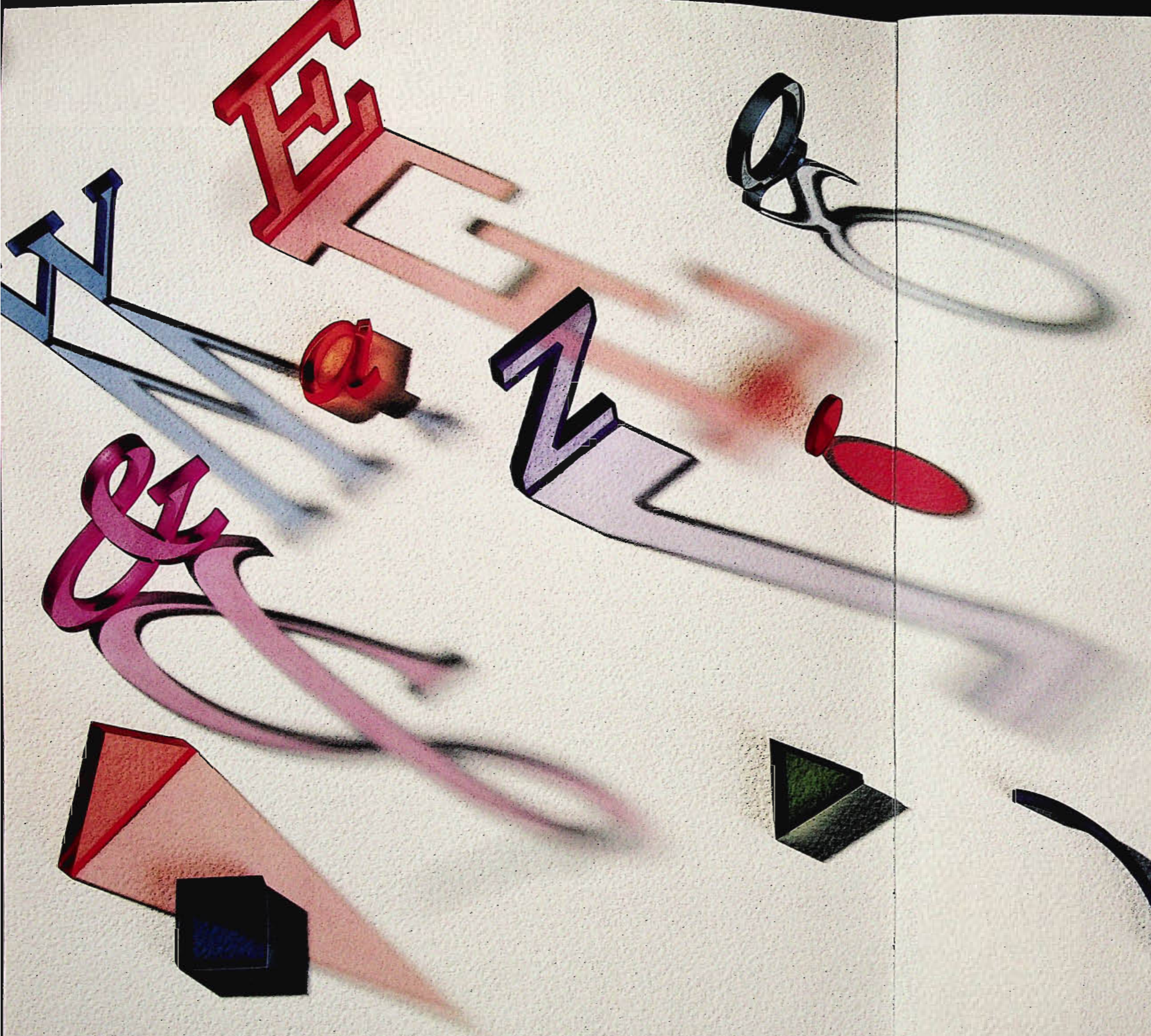


Interleaf





There's something powerful and even mysterious about the printed word. When you put ideas onto paper, they take on authority and help you communicate more effectively.

Today, printed matter involves much more than just words. Drawings, photographs, charts, symbols and other graphics play as vital a role as text in many publications.

Electronic publishing allows you to create and merge text and artwork *electronically* – a breakthrough in print communications.

Interleaf develops high-quality publishing tools with the power and functionality to help organizations produce the full range of corporate documents – from the simplest memo to whole libraries of complex, heavily illustrated publications.

In fact, Interleaf goes beyond publishing, by giving you the means not only to create documents, but to manage them as databases of text and graphics that are created, revised, distributed, annotated, printed, stored and reused within increasingly heterogeneous computing environments.

By easing the creation, presentation and exchange of information, Interleaf – one of the pioneers of electronic publishing – is pioneering the future of corporate communications.



Interleaf Electronic Publishing Software

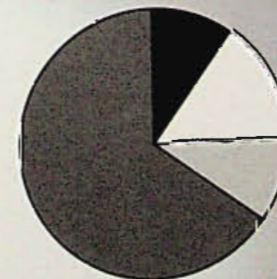
Interleaf electronic publishing software lets you compose, edit and print striking documents - at the desktop, not at the printshop. You create typeset text and eye-catching graphics - detailed diagrams, business charts, freehand sketches - all with Interleaf. Meanwhile, the software cuts and pastes it all together for you, instantly and automatically. From brainstorm to printed form, every step of the way is electronic. You can handle documents even thousands of pages long with consummate skill, because into every piece of software Interleaf packs virtually unlimited power - to meet the demanding needs of the world's most sophisticated publishing environments.

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TEXT



GRAPHICS



CHARTS

EXPLORATION SPACIALE
Thames 11 Bold Italic Printer Page 1 of 1 French

SPACE EXPLORATION EXPLORACION ESPACIAL EXPLORATION SPACIALE

Space has been described as a perfect void. So it may seem ironic that precisely what space lacks - gravity, vibrations and an atmosphere - are what make it a perfect laboratory environment for fields such as astronomy, astrophysics, materials and the life sciences.

El espacio ha sido descrito como un perfecto vacío; por lo tanto suena irónico decir que lo que el espacio carece - gravedad, vibraciones, y atmósfera - es lo que precisamente hace perfecto el ambiente de laboratorio para las ramas como la astronomía, la astrofísica, la ciencia de la vida y los materiales.

L'espace a été présenté comme un vide parfait. Il peut donc sembler ironique que ce qui lui fait précisément défaut, la gravité, les vibrations et une atmosphère, en fait un environnement de laboratoire parfait, dans des domaines tels que l'astronomie, l'astrophysique, les sciences de la vie et les matériaux.

Laboratory Environment El ambiente de laboratorio Environnement de laboratoire

International Cooperation Cooperación internacional Coopération internationale

Cooperation among member nations is vital to the success of any space station program. By contributing personnel, expertise and other specialized resources, each country can add valuable know-how to the larger effort. The resulting "global" program will be greater than the sum of its individual contributions.

La Cooperación de los países miembros es el elemento vital para el éxito de todo programa espacial. Mediante la contribución personal, la experiencia y otras fuentes especializadas, cada país puede aportar su valioso conocimiento a este gran esfuerzo. El resultado "global" de este programa será aún mayor que sus contribuciones individuales.

La coopération entre les nations membres est indispensable au succès de tout programme de station spatiale. En fournissant personnels, ressources spécialisées et autres compétences, chaque pays apporte un savoir-faire précieux dans le cadre de l'effort général. Le programme «global» résultant dépassera la somme des contributions individuelles.

A New Columbus Un nuevo Cristóbal Colón Un nouveau Christophe Colomb

Space stations - and the capability they afford for exploration - should be viewed in the same way as the voyages and discoveries of Columbus, which quite literally transformed the world we live in - beyond what anyone could have predicted.

Las estaciones espaciales - y su capacidad para exploraciones - deben ser vistas de la misma manera que los viajes y los descubrimientos de Cristóbal Colón, quien literalmente transformó el mundo más allá de lo que cualquiera hubiera podido predecir.

Les stations spatiales - et les possibilités qu'elles offrent pour l'exploration - comme les voyages et découvertes de Christophe Colomb qui transformèrent radicalement le monde, d'une manière dépassant toutes les prévisions.

Scientific Experiments Experimentos científicos Expériences scientifiques

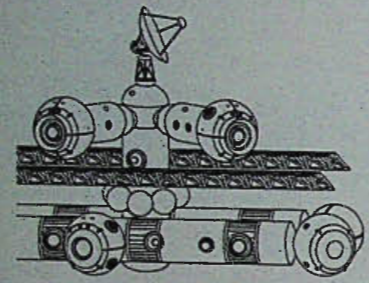
Astrophysics
Astrofísica
Astrophysique

Life-sciences
Ciencias de la vida
Sciences de la vie

Materials
Materiales
Matériaux

Astronomy
Astronomía
Astronomie

DIAGRAMS



FREEHAND SKETCHES



SCANNED PHOTOGRAPHS



SPACE EXPLORATION EXPLORACION ESPACIAL EXPLORATION SPACIALE

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Eleven Reasons Why Interleaf is the World Leader in Electronic Publishing

1 SAVINGS

Today, tens of thousands of corporate, government and academic professionals use Interleaf to produce handsome documents at up to *half the cost* and *one-fourth the time* of traditional methods. Interleaf makes this possible by letting you handle all stages of processing a document electronically – writing, drawing, designing, distributing, revising, printing and storing.

2 POWER

Interleaf stands apart from other publishing programs in sheer strength. Interleaf supplies the power needed to publish extremely long, graphics-intensive documents and provides built-in support for work-group publishing, advanced document management and electronic document distribution. *With Interleaf, you never run out of power.*

3 THREE-IN-ONE

Interleaf combines word processing, graphics and page layout in one piece of software, so you don't have to fumble between software packages. And unlike desktop layout programs, Interleaf's page layout is automatic, making last-minute revisions a snap.

4 MULTILINGUAL

If your business is international, you can put it in their words, because Interleaf comes in a variety of languages. And Interleaf can work hand-in-hand with existing translation systems.

5 EASE OF USE

Most users feel proficient with Interleaf software within days or weeks, even if they've had no computer experience. For you, that means business-as-usual as your employees get acquainted with Interleaf.

6 RELIABILITY

Once you're under way, you can depend on Interleaf to stand up to your demands. Interleaf has one of the highest levels of reliability in the industry, because it has been put to the test over many years in production publishing environments.

7 CHOICES

Interleaf fits well into existing computer strategies, because it

- Runs compatible software on the full range of corporate computers – from the low end to the high end.
- Runs on industry-standard hardware, including computers from Apollo, Apple, Digital, Hewlett-Packard Co. (available fall 1989), IBM and Sun Microsystems.

8 INTEGRATION

Such a broad integrating capability constitutes a breakthrough in corporate communication. By putting your company's diverse computers on speaking terms, your employees and departments no longer have to work as isolated units. They can share copy, art, tasks and expertise as never before, reducing redundant work and dramatically improving efficiency and consistency.

9 CONTROL

With seamless integration, Interleaf gives you control over the way information – today's corporate currency – is gathered, processed and disseminated to those who need it, by enabling you to

- Distribute Interleaf documents electronically on low-cost PCs for review, search-and-retrieval and local printing.

- Link your Interleaf system directly to your centralized database. For example, a leading computer-products supplier connects Interleaf to its tele-marketing database to publish a price catalog *automatically*.
- Assemble customized publications by making your documents themselves a database of text and graphics to be drawn on at will.

10 OPENNESS

Interleaf is an open, extensible system that

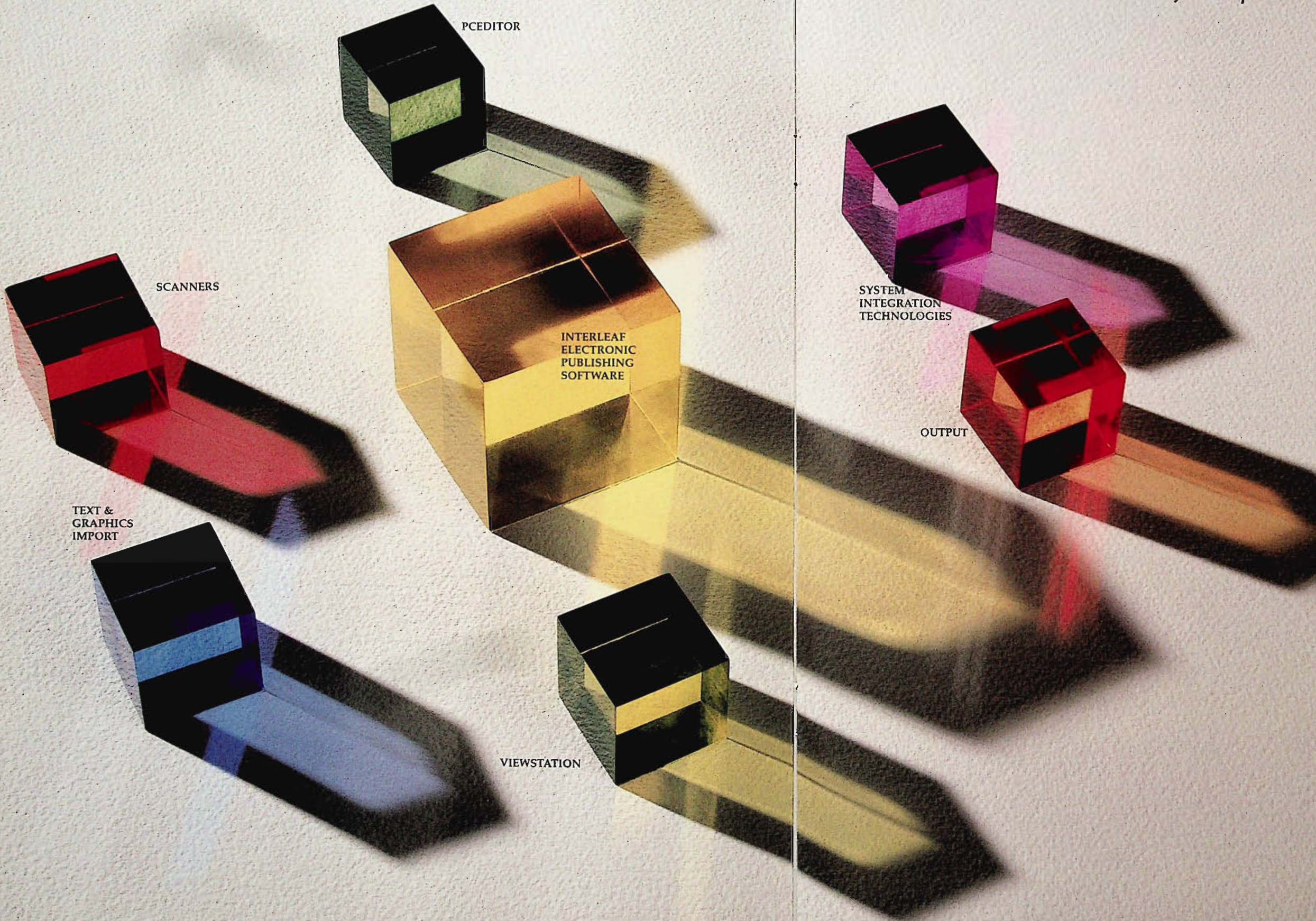
- Accepts data from popular word processors, PCs, computer-aided design (CAD) systems, scanners and mainframes.
- Provides an open door for importing files and data from other systems in specialized formats, as specifications for Interleaf data formats are publicly available.
- Contains intrinsic functionality to support government and industry standards.

11 GROWTH

A publishing system is a big investment. You need to be confident that the system you choose can evolve as your company evolves. A system that ensures a secure path to future growth – with opportunities along the way to add tools you'll need as times and technology change. Interleaf offers the surest growth path in the electronic publishing industry, by providing

- Flexibility of hardware and software
 - The widest variety of tools for specific tasks
 - Integrated publishing, distribution & database management
 - Compatible means to tie it all together
 - Fast payback – often within six months to a year
- Only Interleaf can provide this level of flexibility, functionality and security.

The Interleaf Corporate-Wide Solution



A synergistic approach to solving a complex, real-world problem.

THE PROBLEM: In today's organizations, the same document often has to be worked on by many individuals – engineers, marketers, illustrators, lawyers, financial executives, even those in remote locations such as the factory floor or international offices. But these professionals often use computer systems that cannot communicate with one another.

THE SOLUTION: By running compatible software on the full range of standard business computers, *and only Interleaf* – people using different computers to easily and electronically create, share, revise and reuse documents.

THE BENEFIT: Productivity soars as people work together more effectively – a crucial competitive advantage.

The Interleaf Family of Products

INTERLEAF ELECTRONIC PUBLISHING SOFTWARE

Recognized as the standard for corporate publishing, Interleaf integrates word processing, graphics and automated layout in one easy-to-use, function-rich package. For the most sophisticated applications, Interleaf offers powerful modules for document management, advanced graphics, multi-page tables, MilSpec publishing and other specialized needs. Interleaf runs on more industry-standard computers than any other electronic publishing software, including Apollo, Digital, Hewlett-Packard (available fall 1989), IBM and Sun workstations, DOS-based 80386 machines from IBM and others, and the Apple Macintosh II.



MAINFRAME PUBLISHING

For those with enormous publishing, printing and archiving needs, Interleaf's system integration group can provide publishing software of unprecedented power for IBM and Digital mainframes.

PCEEDITOR

Running on low-cost IBM PCs and compatibles, PCEditor text processing software lets your writers create and share Interleaf-compatible text with your Interleaf workstations.



VIEWSTATION

With Viewstation software, users can view, search, annotate and print fully WYSIWYG (what you see is what you get) Interleaf documents – but not alter the original. Designed for electronic distribution of documents, Viewstation is also an effective electronic information search-and-retrieval tool.



SYSTEM INTEGRATION TECHNOLOGIES

For managing the development and distribution of extremely long documents such as New Drug Applications and aircraft maintenance manuals, Interleaf provides the Relational Document Manager, a specialized database tool for project management. For quick search-and-retrieval, users can attach a CD-ROM (compact disc-read only memory) drive to a Viewstation terminal to provide per disc as many as 50,000 pages of text and graphics in WYSIWYG format.



OUTPUT

Interleaf drives PostScript, InterPress and other popular printers. Interleaf's own RIPrint laser printers are designed to work optimally with Interleaf software, ensuring you the best printer performance available. For the highest-resolution output, Interleaf drives a number of popular imaging typesetters, including Compugraphic, III, Linotype Linotronic and Monotype.



TEXT & GRAPHICS IMPORT

Interleaf accepts ASCII text from virtually any word processor, PC, minicomputer or mainframe, and filters for popular graphics and spreadsheet packages are also available. Dozens of CAD, CAE (computer-aided engineering) and CASE (computer-aided software engineering) developers supply output in highly editable Interleaf format.



SCANNERS

Interleaf supports the most popular line-art and gray-scale image scanners. Scanned line art and photographs can be cropped, sized, rotated, zoomed and painted with a pixel editor. Users can adjust the contrast, clone part of an image onto another part and add text and other graphics.



The Many Faces of Interleaf: Diverse Applications

TECHNICAL DOCUMENTATION

Technical manuals are not only read, but pored over – again and again. Your documentation must be clear, concise and well-designed. It must be scrupulously accurate. And it must be ready when the product ships. Interleaf helps you meet these needs.

NASA'S SPACE STATION FREEDOM PROGRAM. Interleaf software is being installed at all NASA sites involved in the Space Station Freedom Program. NASA Headquarters, Goddard Space Flight Center, Johnson Space Center, Kennedy Space Center, Langley Research Center, Lewis Research Center and the Marshall Space Flight Center are using Interleaf for technical documentation.

OFFICE AUTOMATION

Mountains of paperwork circulate through offices every day. Memos, correspondence, reports, presentations, newsletters, agendas, proposals and more. Automating your paperwork with Interleaf can save time, money and frustration.

ARTHUR D. LITTLE (Cambridge, Massachusetts) acquired Interleaf to integrate the consulting firm's wide range of software and hardware – including PCs and Macintosh II's – with its workstation-based publishing operation. In conjunction with laser printers and a Linotronic typesetter, Communications Services uses Interleaf to create high-quality presentations, proposals, forms, display ads and other marketing materials in *half the time* it used to take.

CALS

Many contractors to the U.S. government must soon comply with CALS (Computer-aided Acquisition and Logistics Support), the U.S. Department of Defense (DoD) standards for the submission of electronic documents. Interleaf leads the electronic publishing field in providing systems that help you meet CALS standards.

UNISYS DEFENSE SYSTEMS has standardized on Interleaf for CALS-compliant electronic publishing. "By 1990, we knew we had to deliver 100% of manuals as an electronic database to comply with CALS," says the manager of Publications Support Services (Eagan, Minnesota). "That's the principal reason we acquired Interleaf." All told, seven U.S. divisions of Unisys Defense Systems publish – and share – documents using Interleaf. In Eagan, time *and* cost to turn around proposals, technical documentation and marketing materials have been cut in half.

CASE

By integrating Interleaf with computer-aided software engineering tools, software developers can generate documentation containing text *and* graphics – within a completely automated software engineering process.

THE SOFTWARE PRODUCTIVITY CONSORTIUM (Reston, Virginia), a research and development organization comprised of many leading aerospace companies, uses Interleaf for documentation on approximately 200 Apollo, Digital and Sun workstations. The integration of CASE and Interleaf publishing tools is helping to speed the creation of documents conforming to the exacting 2167 standard.

DATABASE PUBLISHING

Interleaf database publishing lets you pull data directly from your mainframe database into Interleaf and transform it automatically into a published document.

TEXAS INSTRUMENTS Semi-Conductor Group (Dallas, Texas) selected Interleaf for its database publishing and electronic distribution capabilities. The group draws ASCII data and vector graphics automatically from a CAD database into Interleaf, fashions it into engineering data sheets and distributes drafts electronically to engineers and Central Publishing for final output. Generation of composed data sheets now occurs in *two to five hours* – a process that used to take three months.

GRAPHICS

Many organizations use Interleaf primarily for graphics applications: display ads, presentation charts, brochures, highly visual newsletters and other intricately designed documents.

GTE DIRECTORIES CORPORATION (Dallas, Texas) uses a large Interleaf installation of workstations, typesetters and laser printers to create roughly 400,000 Yellow Pages display ads per year. GTE Directories' ads demand not only easy text entry, but also freehand drawing, diagramming and image editing of scanned photos and illustrations. Interleaf enables the company to handle all of these functions electronically.

High-Performance Customer Service

Interleaf is dedicated to helping you get the highest possible performance out of your Interleaf system, by furnishing you with prompt, premium-quality service before, during and long after installation.



SYSTEM INTEGRATION

According to your needs, Interleaf will design and integrate Interleaf systems with existing and/or new hardware and software, including customizing cost-effective systems to meet unique documentation, network communications, document database management and data translation requirements.

TRAINING

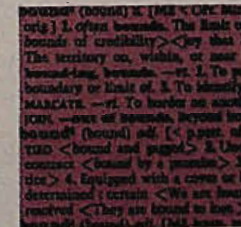
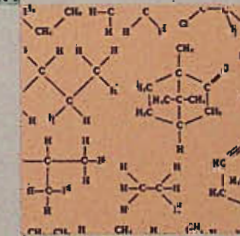
Interleaf offers in-depth software training at Interleaf training centers and at customer locations internationally. Courses, which can be individualized to meet special needs, cover Basic Features, Document Management, Graphics and other topics.

CUSTOMER SUPPORT

Through Interleaf sales offices, subsidiaries and customer support centers, Interleaf strives to supply rapid, effective solutions to your problems.



Why the World's Leading Organizations Choose Interleaf



5	4880	5272	5176	5274	1	16
0	433	8716	8616	8624	1	16
9	5432	7934	6916	6994	1	16
5	1457	3376	3276	3394	+	76
8	4877	4116	4596	41	+	76
6	798	3134	3174	3174	+	76
4	389	1476	1576	1674	+	76
2	343	83	8276	8376	+	76
	452	1474	14	1474	+	76
	340	2874	28	28	-	76
	9	2676	2676	2676	+	76
	9	20	1974	1974	-	76
8	1220	8176	8074	8074	-	76

"With Interleaf, we can give a typeset look to jobs that were typed or word processed before. And we can design a consistent style across publications, which enhances our image. We have a commitment to excellence which this technology helps us to fulfill."

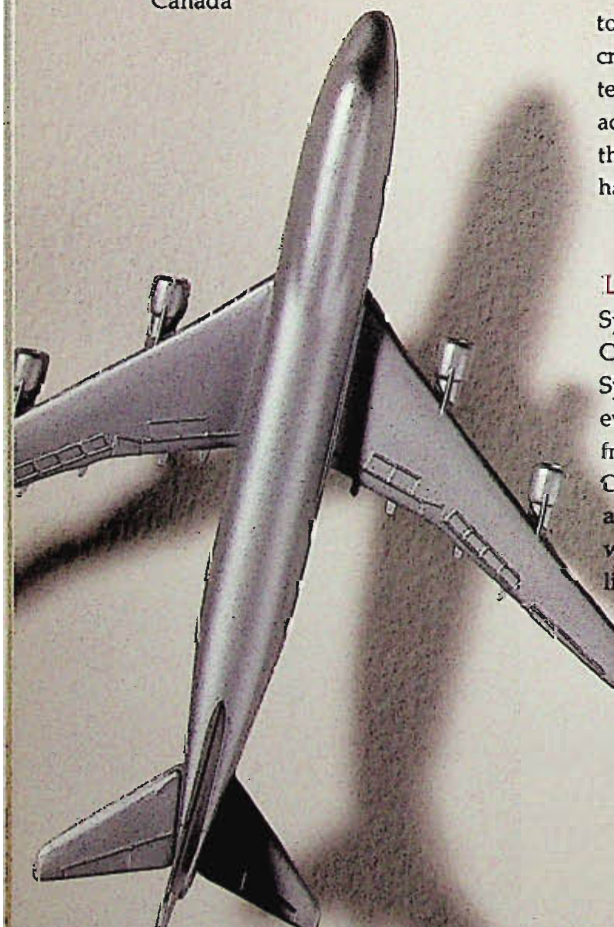
Bob McDonald
Computer Systems
& Engineering
Standards Manager

SPAR AEROSPACE
Toronto, Ontario
Canada

BOEING AEROSPACE Co. (Seattle, Washington) has integrated an Interleaf system of eight workstations, two laser printers and a line-art scanner into its existing BOCAPS (Boeing Computer-Aided Publishing System). BOCAPS blends word processing files and CAD drawings with Interleaf text and graphics – all on the Interleaf workstations – to automate the production of operations and maintenance manuals complying with U.S. DoD MilSpecs, including 38784B and CALS.

SPAR AEROSPACE LTD.'S Remote Manipulator Systems Division (Toronto, Ontario, Canada) chose Interleaf to be able to deliver documentation in electronic form, a requirement of NASA's Space Station Freedom Program (Spar is the prime contractor for Canada's contribution to the Program). Production time to create proposals, presentations, technical papers, manuals, display ads and other publications related to the robotic systems it manufactures has been cut by 50%.

LOCKHEED MISSILES AND SPACE Co., Space Systems Division (Sunnyvale, California) uses Interleaf in its Data Systems Engineering group during every stage of product development, from initial sketches to final manuals. CASE projects generally last years and involve hundreds of engineers writing hundreds of thousands of lines of code.



OTHER INTERLEAF USERS:

BRITISH AEROSPACE
MILITARY AIRCRAFT

EUROPEAN SPACE AGENCY

FORD AEROSPACE &
COMMUNICATIONS

GENERAL DYNAMICS

HONEYWELL SPACE &
STRATEGIC AVIONICS

HUGHES AIRCRAFT

L'AÉROSPATIALE

MCDONNELL DOUGLAS

MESSERSCHMITT-BÖLKOW-BLOHM

NORTHROP

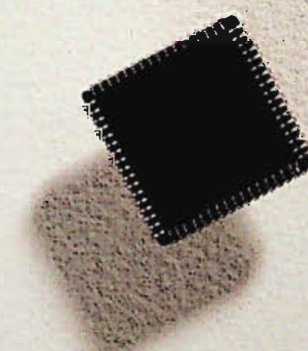
ROCKWELL INTERNATIONAL

UNITED TECHNOLOGIES /
SIKORSKY AIRCRAFT

"Interleaf has helped us to integrate Honeywell's wide variety of hardware and software. When Honeywell in Coon Rapids, Minnesota needed a division logo, we scanned the logo into Interleaf on a Sun workstation, saved the document in Interleaf ASCII format and sent the works via modem to their Digital VAXstation 2000 running Interleaf. The transfer worked very well."

Steve McDermott
Software Applications
Engineer

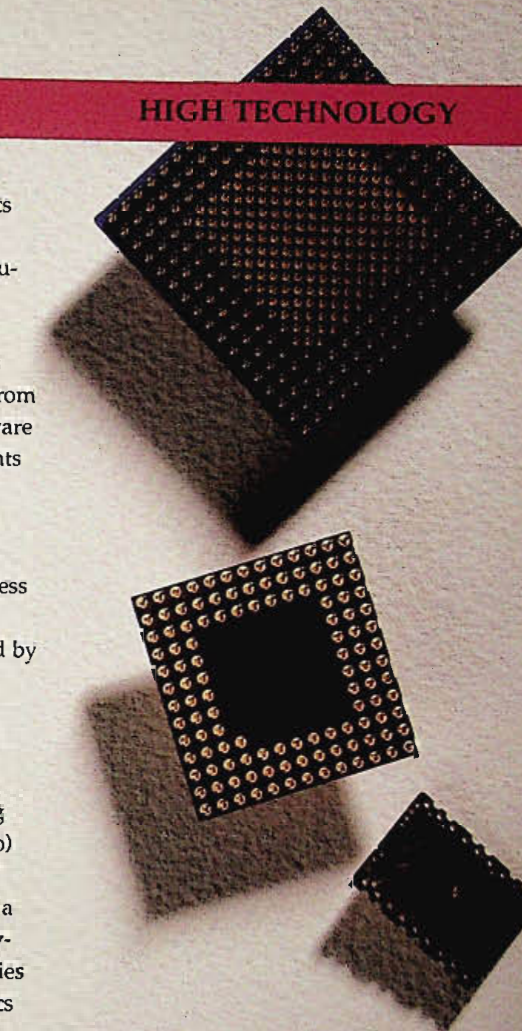
HONEYWELL, INC.
Minneapolis, Minnesota



MOTOROLA Government Electronics Group (Scottsdale, Arizona) uses Interleaf to publish technical manuals, engineering reports and high-level presentations. Interleaf merges text from word processors and engineering CAD drawings from a variety of CAD and CASE software packages. Final Interleaf documents can be downloaded onto a mainframe for storage and printing on high-speed laser printers. Thus, virtually the entire pre-press process is electronic, and documentation production time has been speeded by 30-70% where Interleaf has been installed.

HEWLETT-PACKARD'S Manufacturing Test Division (Loveland, Colorado) acquired Interleaf to merge ASCII files from the company's PCs and a mainframe – as well as CAD drawings designed on HP 9000 300-Series computers – with text and graphics created on Interleaf. Says the system's manager: "We chose Interleaf because it had the most capabilities with text and graphics in one software package. Overall, we're more than 50% faster than we were three years ago. We now get documents out faster and that's appreciated in the field."

THORN-EMI COMPUTER SOFTWARE (Sunbury-on-Thames, Middlesex, United Kingdom) is documenting its "fourth-generation" programming language with Interleaf. Two workstations running Interleaf access files on a mainframe through a window on the Interleaf desktop. The files are then electronically cut and pasted into Interleaf for merging with graphics and printing.



OTHER INTERLEAF USERS:

BELLSOUTH SERVICES

BRITISH TELECOM

CRAY RESEARCH

CROSSFIELD ELECTRONICS

DATA GENERAL

GENERAL ELECTRIC

HITACHI COMPUTER PRODUCTS

NEC INFORMATION SYSTEMS

NIXDORF COMPUTER AG

PITNEY BOWES

PLESSEY ELECTRONICS SYSTEMS

SONY

WESTINGHOUSE ELECTRIC

"Interleaf is able to tie together the diverse computer worlds we have here. As a result, our grant proposal output has increased by a factor of three or four. In fact, we have succeeded in the grant world because Interleaf has allowed us more time for research and less for writing and publishing."

Thomas Slezak
Computer Scientist
Bio-Medical Sciences
Division

LAWRENCE LIVERMORE
NATIONAL LABORATORY
Livermore, California

U.S. BUREAU OF CENSUS (Suitland, Maryland) uses Interleaf for all graphics, charts and covers for the 1,000-5,000 reports generated by yearly census data. And it will use Interleaf for many of the 1990 Census studies. Complex charts - some with more than 1,000 plot points - are created from data brought into Interleaf from a mainframe via PCs. Updating just one document - the monthly *Current Reports* - has been trimmed from two hours to just eight minutes.

THE NORTH CAROLINA GENERAL ASSEMBLY (Raleigh, North Carolina) selected Interleaf to automate the creation of daily session minutes, because Interleaf is able to collect data electronically from the Assembly's existing word processors and mainframes on a network serving nearly 200 other devices. With Interleaf, creating a camera-ready draft of one session's activity has been cut from about six weeks to just one day.

U.S. DEPARTMENT OF AGRICULTURE'S Rural Electrification Administration (Washington, D.C.) has shaved nearly 25% off costs and 50% off production time of reports for congressional inquiries, private research groups and internal use. Despite system installation and staff training time, the REA completed two 250-page annual reports on its activities almost *four weeks faster* on Interleaf than with previous methods.

OTHER INTERLEAF USERS:

- DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA)
- DEUTSCHE BUNDESPOST
- FEDERAL RESERVE BOARD
- INTERSTATE COMMERCE COMMISSION
- NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION
- PENTAGON CRISIS CENTER
- PUBLIC WORKS OF CANADA
- UK ADMIRALTY RESEARCH ESTABLISHMENT
- U.S. DEPARTMENT OF STATE
- U.S. DEPARTMENT OF TRANSPORTATION
- U.S. POSTAL SERVICE
- THE WORLD BANK

"Our researchers run Lotus 1-2-3 or other spreadsheet programs on PCs, then electronically send the data to Interleaf, where it's fed into pre-existing chart templates. We adjust the size and design of the charts but never re-enter data. It's made life much easier."

Grace Bas
Graphics Manager
Economics Department

SCOTIABANK
Toronto, Ontario,
Canada

FIRST BOSTON CORPORATION'S Investment Banking Department (New York, New York) selected Interleaf because of its ability to electronically gather text from Wang word processors, Lotus spreadsheet data from PCs and financial data from mainframes. Such automation speeds turnaround of First Boston's investment banking proposals. And with Interleaf, they can add graphics and retain total control over their time-sensitive proposals. All of which helps to give them a competitive advantage.

SCOTIABANK (Toronto, Ontario, Canada) uses Interleaf in its Economics Department to publish reports such as the bi-weekly *Treasury Report*, monthly *Business and Finance Report* and numerous international, quarterly and market-share data reports. The system, which integrates word processor and PC files, has helped the department double output and save thousands of dollars in typesetting.

ROBERTSON, COLMAN & STEPHENS (San Francisco, California) runs Interleaf in its Corporate Finance Department to create "blue books" - presentations for Initial Public Offerings that average 10-100 pages and include text, charts, tables and other graphics. Spreadsheet and ASCII data files can be read into the system, which gives the department total control over its timely presentations. "It's very handy for proofing," says an RCS financial analyst. "Last-minute alterations can be made in an instant."

OTHER INTERLEAF USERS:

- BANK OF CALIFORNIA
- BANKER'S TRUST
- CIGNA / CONNECTICUT GENERAL LIFE INSURANCE
- CITICORP
- COOPERS & LYBRAND
- CRÉDIT LYONNAIS
- GOLDMAN SACHS
- LLOYD'S BANK
- LONDON STOCK EXCHANGE
- MARINE BANK SERVICE
- MORGAN STANLEY
- PHOENIX MUTUAL LIFE INSURANCE
- PRIMERICA
- SHEARSON LEHMAN



"The major impact of the Interleaf system is that it has changed the way we think. Our productivity gain has been in mental capacity and the clarity of the way we do things."

Raleigh Awaya
Administration
Management &
Computer Services

EAST-WEST CENTER
Honolulu, Hawaii

THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY'S Communications Office (Cambridge, Massachusetts) will use Interleaf's database publishing techniques to automate course catalog production by transferring the registrar's course listing database directly into Interleaf format. The Communications Office publishes correspondence, schedules, calendars and catalogs with Interleaf, while the university's Plasma Fusion Center uses three Interleaf workstations to support 30 physicists in preparing journal articles.

THE CENTER FOR ECONOMIC RESEARCH, part of the Swiss Federal Institute of Technology Zürich (Zürich, Switzerland), has installed Interleaf University Publishing Software on Apollo workstations to create economics research reports up to 700 pages long. Containing complex mathematical formulas created with Interleaf's equation package, these reports also integrate text with graphics and charts.

THE NATIONAL UNIVERSITY OF SINGAPORE'S Department of Information Systems and Computer Science uses Interleaf to aid lecturers on high-technology topics. By integrating text, graphics and mathematical equations in their reports and hand-outs, the lecturers have been able to put out documents that are more interesting and of higher quality.

OTHER INTERLEAF USERS:

BAYLOR COLLEGE OF MEDICINE

BROWN UNIVERSITY

CARNEGIE-MELLON UNIVERSITY

CORNELL UNIVERSITY

CRANFIELD INSTITUTE OF TECHNOLOGY

DUKE UNIVERSITY

HARVARD UNIVERSITY

JOHNS HOPKINS UNIVERSITY

OXFORD UNIVERSITY

RENSSELAER POLYTECHNIC INSTITUTE

STANFORD UNIVERSITY

UNIVERSITY COLLEGE (IRELAND)

UNIVERSITY OF PENNSYLVANIA

UNIVERSITY OF VIRGINIA

YALE SCHOOL OF MEDICINE

A sampling of Interleaf users in a number of other industries shows how useful and cost-effective Interleaf software can be for office professionals working in a broad range of applications.

AUTOMOTIVE

BMW (Munich, West Germany) uses Interleaf in the creation of user manuals for various BMW automobile models. At *BMW Motorrad GmbH*, user manuals, as well as maintenance books containing parts lists, are also produced with Interleaf workstation software.

BOOK PUBLISHING

SIMON & SCHUSTER (New York, New York) produces an annual 1600-page college guidebook with Interleaf database publishing. The College Research Group, the book's creator, automatically converts ASCII text from a supermicrocomputer into finished pages on Interleaf. Using traditional publishing, competitors have to freeze data in December. With Interleaf database publishing, the Group adds and revises as late as May, making *The Right College* five months more timely.

CONSUMER PRODUCTS

GTE-SYLVANIA (Tienen, Belgium) prepares catalogs, installation manuals, marketing brochures and sales reports for its electric-lighting products using Interleaf workstation and PCEditor software. Using a scanner and data links, the documentation department imports CAD/CAM drawings and word processing files into Interleaf for merging with Interleaf text and graphics. The first output—a catalog of Sylvania lighting products—was produced at least one month faster on the new system.

INTERLEAF USERS IN PHARMACEUTICALS & CHEMICALS:

BAYER AG

BETZ LABORATORIES

BOEHRINGER-INGELHEIM

E.I. DU PONT DE NEMOURS

GENENTECH

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MILES PHARMACEUTICALS

MONSANTO

MORTON THICKOL

RHÔNE-POULENC

SCHERING

UNION CARBIDE

WYETH LABORATORIES



FOOD SERVICES

McDONALD'S CORPORATION (Oak Brook, Illinois) uses Interleaf in its Print Graphics department to produce manuals, forms and charts. Line art such as McDonaldland characters, newsletter illustrations and other clip art is scanned into the workstations running Interleaf, where it is electronically merged with text and output on a laser printer and typesetter.

PETROLEUM

SEDCO FOREX (Montrouge, France), a subsidiary of Schlumberger, uses Interleaf for documentation to back up computing systems in onshore and offshore oil exploration. Sedco Forex produces systems and software to monitor drilling procedures to improve efficiency and safety on its platforms. By ensuring that supporting manuals are fully revised and up-to-date, Interleaf helps the company rapidly implement critical new procedures.

PRINTING

AZTECH FINANCIAL PRINTERS (New York, New York), a major financial and legal printer, meets deadlines every day using Interleaf to print proxies, 10Ks, stock offerings and timely documents for the U.S. Securities and Exchange Commission. Aztech's manager of electronic publishing says: "Desktop publishing expands the range of work we do. In the long run, we win by incorporating the new technology."

TELECOMMUNICATIONS

PHILIPS KOMMUNIKATIONS INDUSTRIE AG (Nürnberg, West Germany) chose Interleaf because of its ability to interface easily with Philips' existing word processing systems, image scanners and CAD computers. Philips uses the Interleaf system to publish high-quality user and maintenance manuals – complete with parts lists and exploded engineering drawings – for telephone, car telephone and mobile radio systems.

TRANSPORTATION

TRANS WORLD AIRLINES' Ground Operations Center (Kansas City, Missouri) has cut production time of training manuals averaging more than 200 pages *by 50%*. Says the Center's director: "Interleaf has upgraded not only our training and development manuals, but our office output overall. And it has generated a lot of motivation in our employees. We feel we got the best tool for our application."

Interleaf and Users: A Lively Exchange

Through a diverse network of two-way communications, Interleaf encourages a fruitful exchange of ideas with Interleaf customers – to strengthen ties between Interleaf and its user community and to advance electronic publishing technology per real-world needs.



INTERLEAF USER GROUPS

Interleaf User Groups are proliferating. Through regular meetings and newsletters, these groups share ideas and expertise among Interleaf users.

INTERLEAVES NEWSLETTER

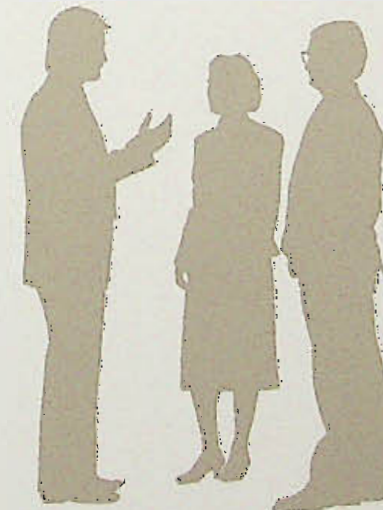
Interleaf's quarterly newsletter, *Interleaves*, serves the largest user group of all: the Interleaf community worldwide. *Interleaves* covers new products, strategic developments, customer case histories, user tips and other useful information.

CUSTOMER SEMINARS

Interleaf users with advanced applications meet regularly with Interleaf engineers to discover ways they can improve workflow and expand into new applications. These in-depth forums often focus on specific applications, such as database management or financial printing.

INTERLEAF MILSPEC UPDATE

Focusing on the latest developments in the CALS program and Interleaf's implementation of CALS and related standards, the *Interleaf MilSpec Update* contains clear, concise articles designed to make these complicated standards easily accessible to government contractors who must comply with them.





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*Founded in 1981,
Interleaf shipped its first
product in 1984. Today,
Interleaf is a
multinational
corporation with tens of
thousands of licensed
users. Interleaf has sales
offices, subsidiaries and
distributors in the U.S.,
Canada, Europe and
Asia / Pacific.*

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Design:
Interleaf Corporate Design Group

Photography:
Skolor, Wedell + Raynon, Inc.

Composition:
Brochure created with Interleaf TFS

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