

Withdrawal/Redaction Sheet

Clinton Library

DOCUMENT NO. AND TYPE	SUBJECT/TITLE	DATE	RESTRICTION
001. business cards	WAM!NET management cell numbers (partial) (1 page)	nd	P6/b(6)

COLLECTION:

Clinton Presidential Records
Domestic Policy Council
Deanne Benos (Subject File)
OA/Box Number: 21322

FOLDER TITLE:

[WAM!NET] [Informational Packet]

2012-0726-S

kc906

RESTRICTION CODES

Presidential Records Act - [44 U.S.C. 2204(a)]

P1 National Security Classified Information [(a)(1) of the PRA]
P2 Relating to the appointment to Federal office [(a)(2) of the PRA]
P3 Release would violate a Federal statute [(a)(3) of the PRA]
P4 Release would disclose trade secrets or confidential commercial or financial information [(a)(4) of the PRA]
P5 Release would disclose confidential advice between the President and his advisors, or between such advisors [(a)(5) of the PRA]
P6 Release would constitute a clearly unwarranted invasion of personal privacy [(a)(6) of the PRA]

C. Closed in accordance with restrictions contained in donor's deed of gift.

PRM. Personal record misfile defined in accordance with 44 U.S.C. 2201(3).

RR. Document will be reviewed upon request.

Freedom of Information Act - [5 U.S.C. 552(b)]

b(1) National security classified information [(b)(1) of the FOIA]
b(2) Release would disclose internal personnel rules and practices of an agency [(b)(2) of the FOIA]
b(3) Release would violate a Federal statute [(b)(3) of the FOIA]
b(4) Release would disclose trade secrets or confidential or financial information [(b)(4) of the FOIA]
b(6) Release would constitute a clearly unwarranted invasion of personal privacy [(b)(6) of the FOIA]
b(7) Release would disclose information compiled for law enforcement purposes [(b)(7) of the FOIA]
b(8) Release would disclose information concerning the regulation of financial institutions [(b)(8) of the FOIA]
b(9) Release would disclose geological or geophysical information concerning wells [(b)(9) of the FOIA]

Withdrawal/Redaction Marker

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WAM!NET Inc.

Corporate Background

Mission

To provide time-sensitive industries that have massive, mission critical data files with a high-speed, Industry Smart™ digital network that enables them to digitally collaborate with everyone in that industry—around the globe—in real-time, with one simple connection.

Services & Technology

WAM!NET is a leading global Electronic Business-to-Business Service Provider, or ESP. We provide digital data management services and workflow solutions to the publishing, printing, advertising and entertainment industries. We combine our managed global network and storage infrastructure with Industry Smart™ software applications to provide a common workflow platform for the creation, transmission and storage of data. Our customers, whose business operations are data/media intensive, use our services on a transactional basis to interact with multiple workflow partners.

Our workflow solutions enable our customers to seamlessly integrate their digital production processes and accelerate the adoption of digital workflow collaboration. This electronic collaboration enables businesses to form tighter bonds with their business partners and achieve measurable operating efficiencies, cost-savings and productivity gains, contributing to increased profitability.

To provide our services, we created and currently operate a global, private, Internet Protocol, or IP, based network. Our high-speed asynchronous transfer mode, or ATM, backbone links three worldwide network operating centers, and our network extends globally through 30 distribution hubs located in North America, Europe and Japan. In addition, we are currently deploying our network storage infrastructure, which provides redundant storage capacity at two geographically diverse mirrored sites. By design, our network is not dependent on a single technology, protocol solution. This allows us to quickly take advantage of new network, access and storage technology, service offerings, and declining prices for network and data storage capacity.

Strategic Markets:

Graphic Arts – Workflow solutions for digital collaboration between ad agencies, prepress shops, printers, publishers, corporate communications departments, graphic designers. Solutions include digital transport, tracking, archiving and remote proofing.

Entertainment – Workflow solutions for creative review via WAM!NET's review-quality digital transport service, including long-term storage and archiving, and video-on-demand.

Digital Networking Services:

Direct! Service – Direct! connections to the WAM!NET network. Offering the highest reliability, best performance, low-maintenance and lowest cost per megabyte, this solution is for customers who need the highest-bandwidth or expect heavy usage. It's a turnkey managed service. All hardware, software, telecommunications lines, 24 x 7 service and support are provided by WAM!NET.

ISDN On!Ramp – The most reliable ISDN connectivity in the industry. This solution is targeted at customers who have small to medium sized transaction needs. An affordable service providing digital connections via an On!Ramp to all those on the WAM!NET network.

Internet Gateway – A reliable digital file transfer method for Internet users, accessed via customers' Web browser and Internet connections. Like ISDN On!Ramp, Internet Gateway customers will be able to send files to all WAM!NET customers regardless of their service level.

Industry Smart™ Applications:

WAMNET Transmission Manager™

The user interface for WAM!NET Direct! and ISDN On!Ramp services. It facilitates the interoperability between 4-Sight® and WAM!NET network users. Key features include electronic job tickets, cross-platform compatibility and plug-ins to automate collect-for-output. WAM!NET Transmission Manager is also sold as a stand-alone point-to-point solution for those who simply need local point-to-point digital set-ups, without access to the global WAM!NET network.

WAM!NET Info Center

This Web-based, browser application provides users with an online reporting tool that allows users to get up-to-the-minute information about WAM!NET transactions, billing and trading partners. The newest feature, Directory Services enables administrators to control and set-up connections to trading partners.

WAM!BASE® Digital Archiving and Storage Service

WAM!BASE is the industry's first collaborative data archive and digital asset management solution. It was created to facilitate inter-organizational workflow from a central database of digital assets. WAM!BASE provides a highly scalable and reliable storage infrastructure, and the API now enables third-party applications to easily integrate with WAM!BASE and offer enterprise-wide storage and archiving solutions.

WAM!PROOF® Remote Proofing Solution

The Industry Smart™ remote digital proofing and output solution. WAM!PROOF allows printers, prepress shops, publishers, advertising agencies and corporate communications departments to automatically output digital color proofs, laser prints, and plates on PostScript compatible devices thousands of miles away—as if they were in the next room. WAM!PROOF delivers outputs electronically—in minutes instead of hours via messengers and overnight couriers.

History

In 1994, WAM!NET founders Edward Driscoll and Allen Witters began developing an electronic delivery solution for the printing, prepress, publishing, corporate communications, and advertising industries. The two had been involved with Cybernet, a systems integrator for the graphic arts industry. At Cybernet they discovered that although they had built extremely sophisticated local area networks, their customers were still dependent upon "SneakerNet"—local messengers and overnight couriers—to move their mission-critical digital data. In 1996, with strategic relationships and technology from MCI WorldCom, SGI, Cisco Systems, and Hewlett Packard, the company introduced WAM!NET—the Industry Smart™ digital delivery network—to the graphic arts community. Today, WAM!NET stands as the industry leader in digital connectivity with one of the most powerful digital networks in the world. WAM!NET was incorporated in Minnesota in September 1994.

MCI WorldCom

Since 1996, WAM!NET has had a strategic and financial relationship with MCI WorldCom Inc. The relationship enables WAM!NET to access MCI WorldCom's worldwide infrastructure, telephony technologies, and high-bandwidth carrier services.

4-Sight Limited

In 1998, WAM!NET acquired the assets of 4-Sight Limited and began merging the operations, product lines and offices of both companies. 4-Sight was the leading provider of ISDN solutions worldwide for the digital transmission of graphic files. Together, the two companies are creating the industry standard for high-speed digital file transfer for the global graphic communications market.

SGI

In March of 1999, SGI and WAM!NET announced a long-term strategic alliance designed to support the growth of WAM!NET as the leading digital network services company. The alliance includes a financial investment by SGI, a preferred provider status for SGI in providing computer systems and related services to WAM!NET and a co-marketing and sales agreement across each other's existing sales channels.

Management

Edward J. Driscoll, chairman and chief executive officer

Gary Hokkanen, president

Allen L. Witters, chief technology officer

Terri Zimmerman, chief financial officer

Denice Gibson, senior vice president, global marketing

Lisa Gray, general counsel

David Townend, managing director, WAM!NET UK Ltd.

Christopher Bristow, general manager/president, WAM!NET Japan K.K.

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**Top Customer
Installations**

Time, Inc.
Young & Rubicam Inc.
R.R. Donnelley & Sons Company
Sears, Roebuck & Co.
Wal-Mart Stores, Inc.
Ford Motor Company

Merck & Co., Inc.
Walt Disney Pictures & Television

**GATF
InterTech Award**

In 1997, WAM!NET was awarded the Graphic Arts Technical Foundation's (GATF) prestigious InterTech award for "innovations that will change the graphic arts industry."

Management Bios

Edward J. "Ed" Driscoll, Chief Executive Officer, WAM!NET Inc.

Prior to WAM!NET, Ed founded Cybernet Systems, where he was also CEO and principal shareholder. Cybernet provided sophisticated systems integration for the print and prepress industries. Prior to founding Cybernet, Ed was general manager of Roland Marketing, Inc., a regional wholesale product marketing and packaging company. He has also participated as founder, CEO and consultant for several other start-up ventures. Ed earned a bachelor of arts degree in economics from St. John's University and a master of business administration from the University of St. Thomas.

Gary L. Hokkanen, President, WAM!NET Inc.

Before joining WAM!NET, Gary was the president of The Cynergi Group, a firm providing organizational and senior management consulting services to a broad range of publicly and privately held companies. Gary current serves on the Board of Directors for the Miner Group International, Super Solutions corporation, Connectivity Systems, Inc. and Grafix, Inc.

Allen L. Witters, Chief Technical Officer, WAM!NET Inc.

Allen is responsible for the design and implementation of the company's digital networking products and services. Allen has experience in invention, design, CAD/CAM, networking, and network management. He has served as a corporate technical consultant since 1975, including work with Cybernet Systems. Allen was principal shareholder and CEO of Datamap, Inc., a company that developed and sold geographic information systems (GIS) software.

Terri F. Zimmerman, Chief Financial Officer, WAM!NET Inc.

Terri joined WAM!NET in August, 1999 from Great Plains Software where she served as chief financial officer, vice president of finance and operations, and director of finance. During her five years at Great Plains Software, she was instrumental in the company's successful initial public stock offering. Before joining Great Plains Software in 1994, she was a senior manager in the Minneapolis office of Deloitte & Touche. She has a BA in Business Administration from the University of North Dakota.

Denice Y. Gibson, Senior Vice President of Global Marketing & Development, WAM!NET Inc.

Denice joined WAM!NET in July of 1999 from SGI, where she served as senior vice president and general manager of the strategic software division. From May, 1995 to October, 1997, she was senior vice president and general manager of Novell, Inc., a leading supplier of network software. During her 25-year career in the computer industry, she has also held senior management positions with Tandem Telecommunications, Candle Corporation and Amdahl Corporation. She has various degrees in psychology and engineering, including a doctorate in engineering management.

Lisa Gray, General Counsel, WAM!NET Inc.

Lisa has served as WAM!NET's General Counsel since December, 1998. Previously, she was a partner in the law firm of Larkin, Hoffman, Daly & Lindgren, Ltd., specializing in dispute resolution and litigation management. She has a Juris Doctorate degree from William Mitchell College of Law and a bachelor's degree in sociology from Hamline University.

David A. Townend, Managing Director, WAM!NET UK Ltd.

David has been responsible for creating the leading development team within the ISDN market for the past six years and has hallmarked many of 4-Sight's products with his own visionary qualities. Since graduating in civil engineering with a BSC Hons degree, David has progressed rapidly through the hierarchy of the hi-tech world to become one of the leading world authorities in prepress communications. David is responsible for overseeing the business interests of WAM!NET UK Ltd.

Christopher Bristow, General Manager/President, WAM!NET Japan K.K.

Christopher (Chris) Bristow joined WAM!NET in 1997. He currently heads the company's newest venture in Shinagawa-ku, Tokyo as the general manager/president of WAM!NET Japan K.K. Prior to joining WAM!NET, Chris was director of prepress at WorldColor, where he guided the company into computer-to-plate technology. Bristow is also a founding member of the Digital Ad Laboratory.

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(WAM!NET and 4-Sight are registered trademarks and Industry Smart is a trademark of WAM!NET Inc. All other trademarks and registered trademarks are the property of their respective companies.)

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CYAN.
MAGENTA.
YELLOW.
BLACK.

AND NOW, PURPLE.

800-611-9006

www.wamnet.com

WAM!NET
digital networking services

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digital networking services

WAM!NET. REVOLUTIONIZING THE GRAPHIC ARTS PROCESS.

Imagine if by clicking a mouse you could collaborate on digital production projects in real time. Publishers, printers, pre-press houses, ad agencies, corporations – all working together as if in the same room.

Welcome to WAM!NET.

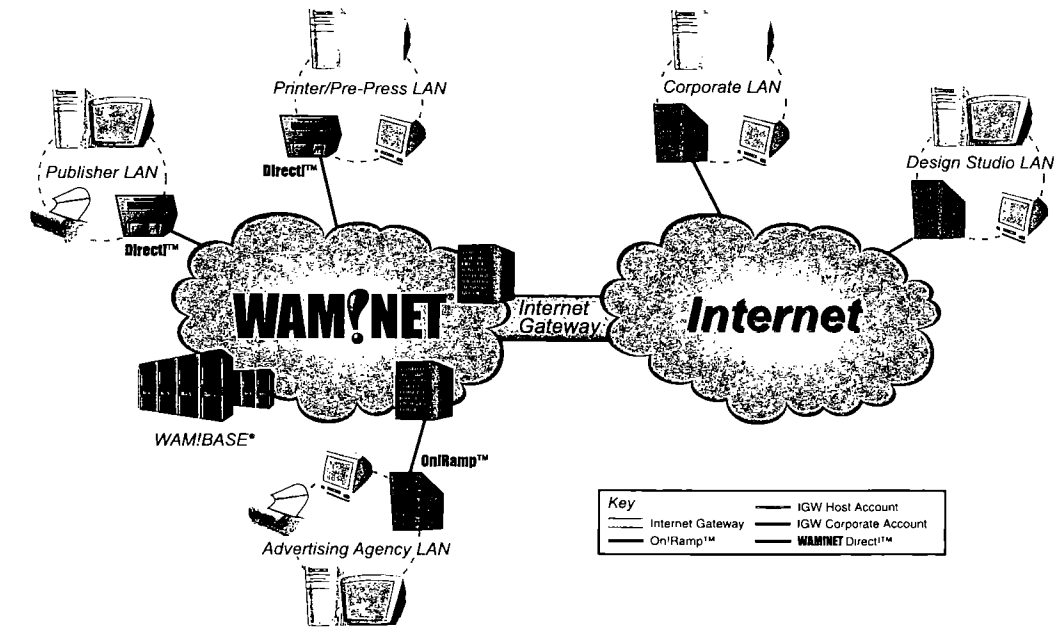
Our secure, global IP network is revolutionizing the way companies' digital work flows. Saving them vast amounts of time and money, while strengthening customer service. Employing a range of services, Industry Smart™ applications and AppleScripts, we're tailoring individual workflow solutions, so companies can work smarter, not harder.

Mind you, this isn't some highfalutin vision of the future. There are currently over 3,000 companies using WAM!NET®.

They've discovered what your company should. That it's not about technology. It's about the benefits that technology can provide. Especially predictability. With WAM!NET, there's no software to purchase. No obsolescence to worry about. You simply pay as you go and let us worry about the rest.

And with our new link to the Internet (WAM!NET® Internet Gateway), even companies without our now-famous purple box can take advantage of our service. All you need is Internet access and a Web browser. Internet Gateway even allows you to send and receive files to and from anyone using FTP software.

So if you haven't checked us out by now, what are you waiting for? Go to www.wamnet.com. And jump start your company's workflow.



SERVICES

WAM!NET can tailor a workflow solution to meet your specific needs based on the technologies of your company and those of your business partners. Here are some service options.

DIRECT!™

- Fully managed, turnkey, Industry Smart connection
- Guaranteed performance 200 to 1,000 MB per hour
- 24 x 7 support
- WAM!PROOF® remote proofing
- Internet Gateway hosting – host pays for all file transmissions
- Ability to send/receive files to and from anyone using FTP software

INTERNET GATEWAY

- Tracked, secure, global transfers to WAM!NET and Internet users
- Corporate – Unlimited users within your company, centralized billing
- Online – Instant access to our thousands of members and anyone else who's online

ISON ON!RAMP™

- Reliable dial-up connection to WAM!NET
- Transmission Manager™ interface

INDUSTRY SMART APPLICATIONS

WAM!BASE®

- Off-site, redundant digital storage service
- Enables global file sharing
- Fully integrated with WAM!NET Direct!
- Now works with third party applications
- Internet connectivity

INFO CENTER

- Manage and track WAM!NET connections from a single log on
- Online WAM!NET directory
- Delivery status
- Detailed billing
- E-mail notification

SMART JOB TICKETS

- Job specification capture, delivery and tracking

TRANSMISSION MANAGER

- Graphical user interface to WAM!NET services
- Transmission plug-ins to leading applications
- AppleScript enabled

WAM!PROOF

- Proof to any Postscript printer across WAM!NET
- Color managed soft proofing
- Reduce production turnaround times
- Improve customer service
- Coming soon: Color Management by Heidelberg

WHAT'S IN IT FOR YOU?

PUBLISHER

- Dedicated, high-availability bandwidth for WAM!NET and Internet users
- Multi-casting – allows you to send a file simultaneously to multiple locations

PRINTER/PRE-PRESS

- Dedicated, high availability bandwidth for WAM!NET and Internet users
- Save time and money, eliminate hassles and enjoy support services
- Improve customer service and build closer client relationships through workflow efficiency and remote proofing services

AD AGENCY/DESIGN STUDIO

- Remote approvals of ads
- Easy re-billing to clients
- Faster client approvals
- Cut time from production schedules

- Heightened workflow efficiency keeps editions open longer for more timely content
- Detailed and accurate accounting of job costs

- Instant global reach to thousands in the printing and publishing community
- Accurately account for job costs
- More efficient workflow effectively increases capacity
- WAN now operates at LAN speeds

CORPORATE

- Manage multiple vendors and projects
- Send ads to market faster
- Lower costs than WAN for large data files
- Improve brand management globally

PURPLE BOX SPECIFICATIONS

The Purple Box is designed to deliver state-of-the-art network performance. To achieve that promise, WAM!NET designed the box to match the specific service levels you contracted for—which means we configure the device to meet your workflow requirements.

Here are a few specifications that you should know about the Purple Box:

- Electrical—120 volts, 50-60 HZ., 20 amp dedicated circuit required. A hard, flat surface required for placement.
- Environment—Standard office conditions, no special air conditioning/humidity control needed.
A hard, flat surface required for placement.
- Hard Disk Storage—Standard = 9 gigabytes, Optional = up to 200 gigabytes.

COMPATIBLE WITH YOUR ENVIRONMENT

The WAM!NET network supports most Macintosh, Windows and UNIX systems. It's compatible with most common network operating methods including Microsoft Windows NT, Ethertalk, TCP/IP, AppleTalk and AppleShare IP (AFP over IP).

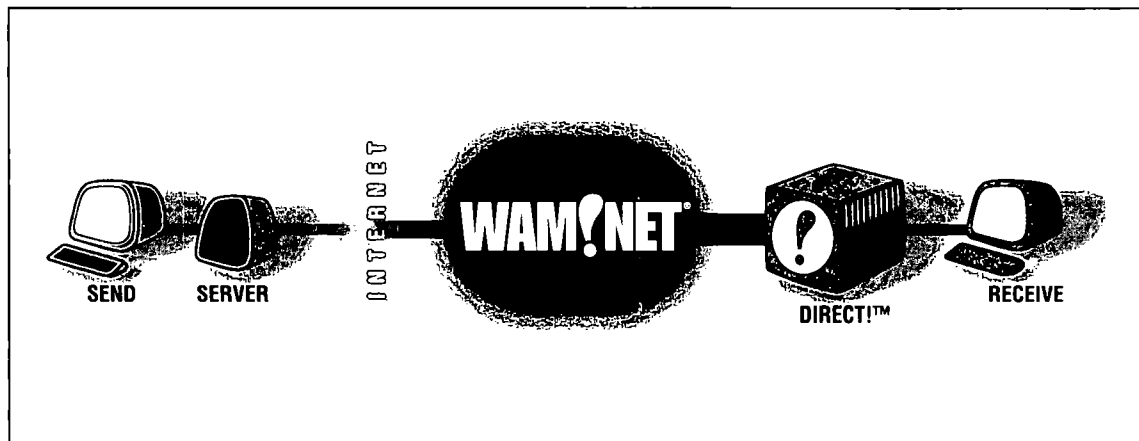
The Purple Box requires a high speed, wide area network connection based on the transfer rates and volume required by the customer. Additional connections are added when necessary to accommodate customers' needs for bandwidth.

EASY TO USE

Even the most tech-wary people find the WAM!NET Service easy to use. For example, the WAM!NET Info Center is a browser-based application that's accessed through the Internet. With it you can obtain an online record of your shipments, detailed billing information and a directory of trading partners. In addition, our WAM!NET Transmission Manager™ software makes sending and receiving files simple. It includes enhanced productivity tools such as electronic job tickets and Transmission Plug-Ins that enable WAM!NET services within a number of popular workflow applications. This multi-platform package runs via IP on Macs or PCs.

GETTING STARTED WITH WAM!NET

Once you're ready to start working smarter, digitally, with the thousands already on the WAM!NET network, give us a call at 800.611.9006. Or, next time you're on the Internet, look us up at www.wamnet.com.





OUR TURNKEY SOLUTION

If you're looking for a service to enhance your digital workflow, WAM!NET[®] has just the solution for you—our Direct![™] Service. You get clean, clear Industry Smart[™] digital connectivity without the hassles of having to manage a system yourself.



THE WAM!NET PURPLE BOX

We provide all the hardware you need to start working smarter, digitally, including the WAM!NET Purple Box.

The Purple Box serves as the high-speed access point to the global WAM!NET network. We install a Purple Box on site for each customer who signs up for the Direct! Service. This guarantees exceptional throughput and provides security while your files travel over our private, fully managed, global IP network.

We want to make accessing the WAM!NET network as easy for you as possible. That's why we manage, maintain and service it as part of the Direct! Service, which means no hardware becoming obsolete or maintenance to worry about.

With a Purple Box installed on site, you can be assured of consistent, reliable throughput and robust security protection. The Purple Box also provides access to our powerful *Industry Smart* applications including:

- WAM!BASE[®]—Our digital asset management services.
- WAM!PROOF[®]—A remote digital proofing and printing solution.



UNPRECEDENTED CUSTOMER SERVICE

In addition to providing the Purple Box to all Direct! customers, WAM!NET takes care of the software, telecommunications, system integration, security, firewalls, network management and training. We install and maintain everything right on site for you, so your equipment never leaves for servicing—it's always available, minimizing downtime.

Our customer service support is available 24 hours a day, 7 days a week. Not only do we monitor all file transfers and proactively service your system, we'll trouble shoot your connections to other WAM!NET customers—no matter what service level they're on.

With the Direct! Service, we provide you with an industrial-strength production solution offering virtually 100% up-time and guaranteed throughput. Basically, it's always there when you need it.



WAM!NET'S NETWORK SECURITY

The key to our security model is our store-and-forward network architecture. To ensure the most reliable security system in the industry, we use multiple firewalls, multi-level security checkpoints, packet filter technology, proprietary network software and a team of watchful network engineers.

Basically, we don't allow any non-WAMNET traffic onto the network. In fact, the Purple Box is a key tool in ensuring security. It's split right down the middle with a customer side and a WAM!NET side. When you send a file, it spools off your system onto a Shipping Dock located on your side of the Purple Box. Then the unique connection between your computer and your side of the device is sealed shut. The network connection is opened, and the file moves from the Shipping Dock to the WAM!NET side of the device and is then sent across the network. Consider it the "Fort Knox" in security for digital workflow.

A REVOLUTIONARY WAY OF DOING BUSINESS

What's revolutionary about the WAM!NET® service is not just the technology—it's also the way we do business. Because we're an end-to-end solution, we integrate and manage the entire network ourselves, freeing you to work on what matters most—providing your customers with faster turnaround and killer content and all at an affordable price.

BREAK THROUGH THE BARRIERS

When you use the WAM!NET Compressed Video Delivery Service, you break all sorts of barriers. A variety of connectivity options gives you the bandwidth you need to work faster and collaborate with your partners in near real time.

- Reduce escalating operational costs by slashing your delivery and administrative expenses.
- Sharpen your competitive edge with faster delivery and better customer service.
- Break geographic barriers, because distance doesn't matter. You can stay close to your customers and collaborate with the best talent available regardless of where they are.
- Enhance your creativity by eliminating artificial deadlines imposed by overnight delivery services.



NOW YOU CAN HAVE IT ALL

If you're in the business of creating, managing, or distributing review-quality video, you face the challenge of getting your content where you want it, when you want it—every day. Until now, that's been a frustrating compromise between budgets, deadlines and quality. But with the WAM!NET® Compressed Video Delivery Service, you can now have it all—the quality you demand, when you want it and at a price you can afford. Twenty-four hours a day, seven days a week, WAM!NET lets you focus entirely on your creative product and the needs of your customers, without trade-offs and without compromise.



REVIEW QUALITY VIDEO—ANYTIME, ANYWHERE

The WAM!NET Compressed Video Delivery Service is designed specifically for video professionals who need to ship review-quality video quickly and efficiently.

Your video connection to the WAM!NET service begins with the MPEG-2 encoder. It connects to your video playout device or router with standard RCA or BNC connectors. On-screen controls allow you to record review quality 4:2:0 MPEG-2 at bitrates of 1.5 to 12 megabits per second. This allows you to select a quality level that is best suited to your needs.

Once the video is encoded, WAM!NET's custom shipping software lets you select the destination address(es), enter any other relevant information and hit "send." It's as easy as sending e-mail!

At the heart of the system is the WAM!NET Purple Box. This provides your secure gateway to the WAM!NET fully managed, high-speed network. As the traffic control center between the wide area network and your facility, it manages the shipping and receiving of video and other data files. Tracking, delivery confirmation and transaction costs are available on your desktop within minutes.



WAM!NET DESKTOP REVIEW SERVICE

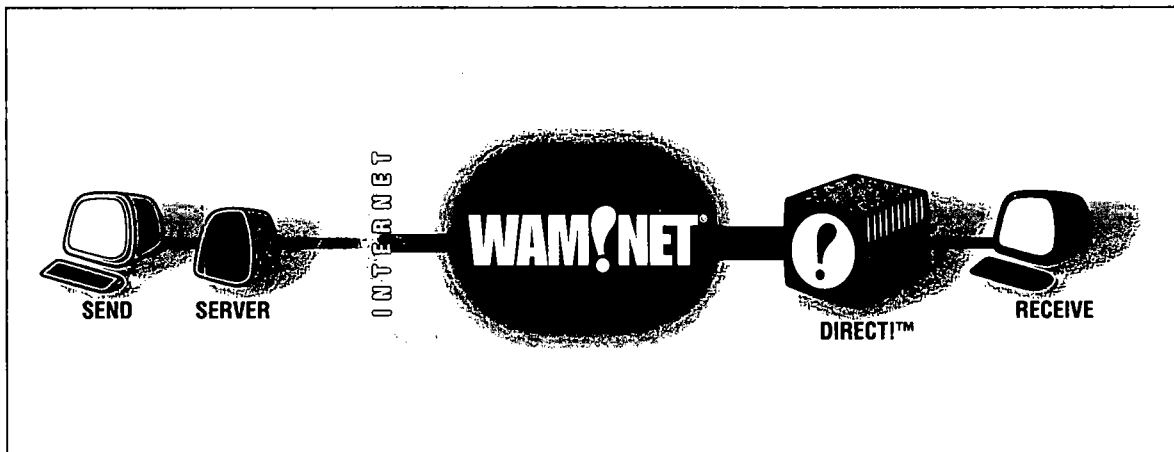
The desktop review station provides a cost-effective way to playback review-quality MPEG-2 video on any NTSC/PAL monitor with audio and video inputs. You have total control to select, play, store and delete any desired clip with ease.

Desktop review stations are installed on the customer local area network and work in conjunction with the Purple Box. When the Purple Box receives a clip that is designated for review, it can be pulled to the desktop review station through the WAM!NET graphical user interface for playback. Desktop review stations are ideal for offices, conference rooms, and presentation areas.



HOW IT WORKS

Once your account has been established, you can—via your Internet connection—begin sending files from the Web site, where you have a secure account. This includes a shipping and loading dock and access to WAM!NET Info Center for package tracking. Files are uploaded to the Gateway then moved in a store-and-forward manner through multiple firewalls into the WAM!NET network. It's at this point that the file is now traveling on the WAM!NET network and a notification confirming file receipt by the WAM!NET network is sent. You can then use Info Center to track your package to your host account.





CONNECT TO THOUSANDS WITH WAM!NET

Attention all Internet users! Fed up with important e-mails that don't arrive at their destinations or get bounced back because file size attachments are too big? Sick and tired of making follow-up phone calls to be sure that your file has made it to its destination? Nervous about the lack of security on the Internet when sending sensitive data? Want somebody to contact to help you manage your Internet-based file delivery? Need to connect to the thousands on the WAM!NET® network, but couldn't justify a WAM!NET Direct!™ connection?

Congratulations! You've been selected as a hosted account for Internet Gateway. Your business partners have been realizing the benefits of the WAM!NET network for some time and now are able to share them with you. And the best part—your host account will pay for all transactions the two of you send back and forth.

WAM!NET Internet Gateway is an affordable new Web-based service that enables file transactions between Internet users and subscribers of the global managed, IP-based WAM!NET network. Finally, you can standardize your digital file delivery on WAM!NET by migrating to the easy-to-use Internet Gateway Service.

- No more managing disks via courier/overnight service.
- No more tracking of missing packages.
- No more hassles of using FTP.
- No more failed e-mails.



EXCLUSIVELY FROM WAM!NET

This new feature-rich, superior level of Internet file transfer isn't available from any other vendor in the industry. It's only available from WAM!NET — the same company that was the first to bring the media industry secure, guaranteed high-bandwidth digital delivery. It has changed the industry's digital production workflow. If we can digitally ship magazines cover to cover — a multiple terabyte file transferred in minutes — across the Atlantic for Forbes' International Edition, we can certainly help you with your everyday Internet digital file delivery. WAM!NET Internet Gateway service is far superior to options such as FTP servers or e-mail attachments because it's:

- **Easy to Use** — It's as easy as hitting a Web site. There's no need for special FTP software. The Internet browser you use every day is all that's needed (Netscape® Communicator™ 4.5 or higher; Microsoft® Internet Explorer™ 4.5 or higher). There are no hassles for your IT department or special computer configurations needed to send a file.
- **Supported by Industry Smart™ Workflow Integration Tools:**
 - **Standard Electronic Job Tickets** — These "digital packing slips" let you bundle critical information with your digital package so that the file delivery can be automated upon receipt. You don't get that with FTP!
 - **Tracking** — WAM!NET provides online tracking tools and proactive notifications so that you and your business partners can track your files and know when they have arrived at their destination.
- **Secure** — With industry standard Secure Socket Layer (SSL) technology (the same technology used by leading financial institutions to send secure data) your important data remains private and protected.
- **Global** — All that's needed is an Internet connection. Access to the service is worldwide via the global Internet.
- **Help** — Supported by a team of experts via Web and e-mail to help you with questions or trouble shoot a problem.
- **Service** — Internet Gateway is run from our Web site — www.wamgate.com — which is backed by multiple servers that maintain the Gateway account data and manage the files' entry into the WAM!NET network. This is the "gateway" from the Internet to the WAM!NET network.

WAM!BASE® Archive Service

WAM!BASE® Archive Service is an ultra-secure and affordable way to store your ever-increasing digital files — brochures, catalogues, sales materials — all the stuff you and your clients use day in and day out for critical brand identity. You store it all in WAM!BASE — a redundant, offsite, unlimited archive facility that's always online and at your fingertips 24 hours a day, seven days a week via the WAM!NET® digital delivery network.

GOT TOO MUCH DATA?

Whether they are digital images, text documents, complete backups, or computer-to-plate files, business storage needs are exploding. As the world relies more and more on digital data, the organization and access become essential. Nobody planned on the mountains of data that desktop electronic work-flows would generate. The efficiency gains are great, but there's a tradeoff - tons of data that needs to be saved like digital ads, plate files, and images that will sometime soon need to be reused. Your choice — you could make a large capital investment requiring staffing and facilities to store this onsite, but why when there's a better way?

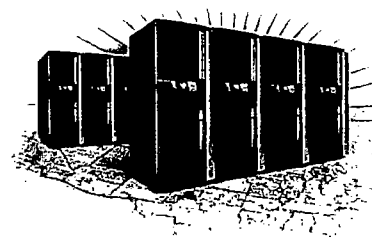
DON'T BUY A SERVER. PICK A SERVICE!

With WAM!BASE Archive Service you can save money storing your digital files. You'll save because it only costs pennies a megabyte/year to store, plus you won't have the continual investment of expanding your local storage equipment to handle your growing data. Better yet, you won't incur the cost of staff people to design, build and manage your storage system; the high maintenance and upgrade costs; or the hassles of staying up with technology. Capitalize on our investment of hundreds

of millions of dollars in the WAM!NET/WAM!BASE network and storage infra-structure, which you would never duplicate on your own. You get the benefits of a service — the support of our channel partners and the expert people on the WAM!NET 24 X7 technical support team.

ENHANCED CUSTOMER SOLUTIONS SUPPORT.

You can now enhance your customer service by letting your clients know that their precious digital assets will be organized and stored offsite in redundant facilities. All data stored with WAM!BASE Archive Service is safe from disaster. It's "mirrored" in two separate facilities and accessible 24 hours a day, seven days a week via WAM!NET Direct!™ digital delivery service. When you or your clients need their files for reprinting or re-purposing, you know they're always there and that you can quickly access them on-line. Our MasterMind™ Channel partners are ready to aid in planning and implementation of your archive libraries. They function as part of our ongoing first tier support group, providing an outsource option for library administration.



All WAM!BASE data is disaster-immune — stored in redundant facilities located in separate geographic locations.

HOW IT WORKS.

WAM!BASE® Archive Service gives you access to the WAM!BASE Storage Center via your WAM!NET® connection. You or your clients are provided with secured access (ID and password) both as a user and administrator. This gives you and only you secure access to the files stored in any given WAM!BASE library. WAM!NET Direct!™ users can easily store, search, retrieve or forward files to any WAM!NET subscriber including ISDN On!Ramp™ and Internet Gateway users. For your protection the administrator is the only person that can delete files from your library. Automated scripting tools are available for storing and retrieving and online reporting enables you to track WAM!BASE files being retrieved or forwarded. Forwarding files to one or many other printers, affiliates, agencies, or WEB hosts is especially useful.

ANY COMPANY WITH LOTS-O-DATA

In today's electronic economy, corporate data is a company's most precious asset. And according to Forrester Research, an analyst firm that tracks technology, as little as 3 percent of all American companies have disaster recovery plans in place for their previous data. Of those that do, when tested, as few as 25% have success without data corruption. That means the bulk of your business data out there is at risk!

WAM!BASE Archive Service is perfectly suited for any company because of its unique disaster recovery feature. And, in conjunction with our MasterMind™ channel partners, setup and ongoing administration is simplified. All data in WAM!BASE is stored in two separate facilities for full redundancy. The WAM!BASE service is also ideal for any company that just has too much data and doesn't want to continue incurring the astronomical expense of more equipment, software and staff to keep up with its large and growing data storage needs.

THE SUPERCOMPUTING INFRASTRUCTURE

- World-class high-performance data centers.
- RAID storage for high value data as well as keywords, thumbnails, meta-data and file pointer storage.
- High-speed tape storage devices for lower cost storage and longer term data.
- WAM!NET high-speed network as backbone.
- Password protected interface to your library.

BENEFITS:

- Save Money. Using WAM!BASE Archive Service reduces or eliminates capital equipment investments and staffing.
- A Service. You get 24X7 customer support and there's no capital investment.
- No Obsolescence issues. You won't have to take the time to worry about or research technology - we do that for you.
- Unlimited scalability. No worries of adding more disk or server capabilities. We have the deep archive to store all the data you've got!
- Secure. Login and password protected access from your site only to your WAM!BASE data. Access is via WAM!NET's high-speed secure network.
- Disaster Recovery. Files are safe from disasters because they are mirrored in separate redundant storage centers.
- Future compatibility with our third party Application Interface connected (API) partners.

A CASE STUDY

A major U.S. printer with extensive CTP installations recently reviewed all available options for large-scale storage to handle their exponential data growth. Their customers were asking the printer to store all their files — digital ads, catalogues, even ripped and imposed-plate files. This company chose DataVast storage solution. As part of their decision, the firm did an analysis to determine the solution cost per meg, per year. Using a three-year depreciation model, factoring in maintenance, floor space, people, etc., they determined they were paying \$.06/meg/year for this system. An O.K. price, but consider the significant limitations of this system:

- no disaster recovery (not redundant)
- technology obsolescence
- self management hassles
- staffing issues

NEXT STEPS

Call 800.611.9006 (ask for the WAM!BASE department) to sign up. Or contact one of our MasterMind channel partners who can assist you in planning and development of WAM!BASE Archive implementation.

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www.wamnet.com
800.611.9006

WAM!NET
digital networking services

INFO CENTER

The WAM!NET® Info Center is a browser-based application that's accessed through the Internet. With it you can obtain an online record of your shipments, detailed billing information, and a directory of trading partners. In addition, you can manage WAM!NET Direct!™ Hot Folders and create Internet Gateway Hosted accounts.

DIRECTORY SERVICES

A key feature of Info Center is Directory Services. It provides an up-to-date listing of the firms connected to the WAM!NET® network. You can search for companies alphabetically in a "white pages" or a "yellow pages" format by categories such as printers, prepress firms, ad agencies, etc.

PERMISSIONS

Once you've identified who you'd like to trade with, you can request electronic permission from those partners. Navigating permission services is easy. Five hyperlinks are provided at the bottom of each directory screen—Established, Inbound, Outbound, Request and Publishing. When viewing an online listing, customers can view the current permission status with each site listed or remove permissions as needed.

There are two ways to handle permissions:

- 1) You can automatically approve all inbound requests for trading permissions.

OR

- 2) For greater control you can choose to screen all requests for trading permission on a manual basis (you will need to check Info Center periodically to see if anyone has requested trading privileges with you).

Once you approve trading privileges, the new trading partner will automatically appear in your WAM!NET Address Book.

TRACKING AT YOUR FINGERTIPS

Info Center allows you to view reports on sent and received packages. You can organize the data with the click of a mouse to review your records by date, client ID, job number, or tracking number. In addition, you'll be able to see a listing of who sent or received the file, the size of the file, and billing information by transaction.

Info Center also enables you to track your packages within minutes of being sent—allowing you to keep a close eye on daily deliveries. You can view transaction information on individual packages each day, or view an aggregate report at the end of the week, month, or quarter. Info Center information remains online for up to 90 days past a transaction date.

HOST ACCOUNTS—CONTROLLED BY YOU

Like most WAM!NET *Direct!* customers, you most likely want to standardize your digital file delivery through WAM!NET. To make this transition quicker and easier, we created a special Internet Gateway Hosted Account option geared just for your needs. Hosted Accounts are paid for and controlled by you, the WAM!NET *Direct!* customer. Using the WAM!NET Info Center application (located at ic.wamgate.com), you can quickly and easily set up your business partners' Internet Gateway Hosted Accounts and trading privileges. Trading privileges allow you, as owner of the account, to determine who your Gateway Partners can send files to (remember, receiving on WAM!NET is free). With Info Center, setting up your Gateway Host Accounts is far easier than maintaining and updating your FTP servers. It's a flexible tool that lets you establish user IDs and passwords from a Web site (ic.wamgate.com) to easily manage your digital workflow relationships.



MANAGE HOT FOLDERS FOR WAM!NET DIRECT!

Info Center provides a new service that allows *Direct!* Service administrators that use Hot Folders to set up and modify their Hot Folders online. Both send and receive Hot Folders may be created or modified. When new accounts are created, the administrator can immediately create any necessary Hot Folders to send and receive with that account. Administrators can select sending and destination sites through a Hot Folder (which can later then be used to create project-based or department-based usage reports in Info Center's package tracking facility) and set the package delivery priority.



ELECTRONIC BILLING

For companies in the media industry, an important Industry Smart™ feature of Info Center is the electronic billing record of all your WAM!NET transactions. At the end of each monthly billing cycle, you can display an invoice detailing all your activity. You can view this information on-screen or download the data directly into your accounting system. Info Center makes it easy to track your costs and re-bill them where appropriate.



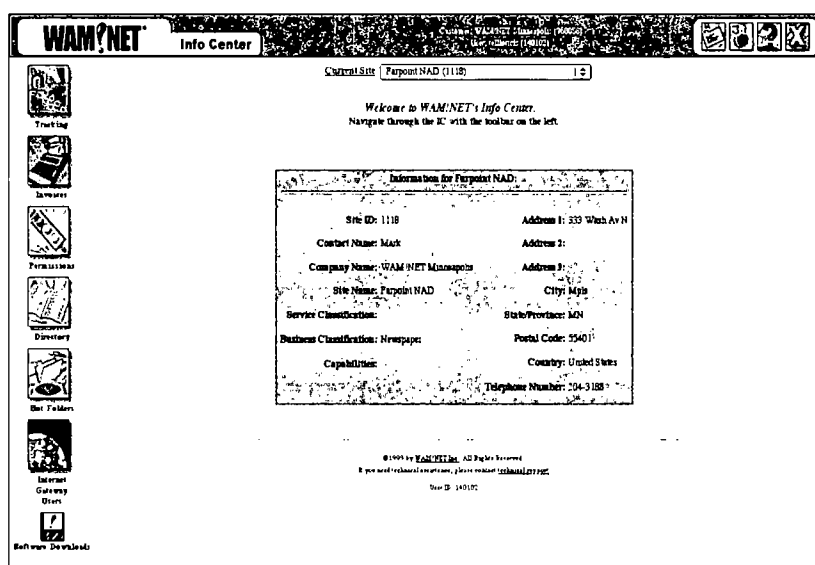
ONLINE HELP

Info Center is user-friendly. People familiar with browser-based applications will feel right at home. If you need assistance, Info Center help is available online for quick answers to your questions or information on specific features and functions that you might want to explore.



WE'RE STILL ONLY A PHONE CALL AWAY

When you want to talk to a real live person, we're always here, ready to help. Just pick up the phone and we can review your transaction records with you, answer billing questions, or establish trading partners. For sales questions call 800.611.9006. For technical questions call 800.278.1264.



WAM!NET Info Center

Current Site: Targetpoint NAD (1118)

Welcome to WAM!NET's Info Center.
Navigate through the IC with the toolbar on the left.

Information for Targetpoint NAD:

Site ID: 1118	Address 1: 233 Wash Av N
Contact Name: Mark	Address 2:
Company Name: WAM!NET Minneapolis	Address 3:
Site Name: Targetpoint NAD	City: Minneapolis
Service Classification:	State/Province: MN
Business Classification: Newspaper	Postal Code: 55401
Capabilities:	Country: United States
Telephone Number: 764-3188	

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If you need technical assistance, please contact Technical Support.
Site ID: 140102



Fulfilling Needs with Innovation: PACS-Compatible Digital Storage

The University of Maryland Medical Center recognizes value in innovation. The teaching and research facility started the first medical school in Maryland, and the first dedicated shock trauma center in the United States. When they were approached with a request to participate in testing the development of a DICOM data storage service for the medical industry online/off-site, they saw the potential and need in the service, and agreed to do the pilot or beta test.

Wes Dixon, the PACS Administrator for the University of Maryland Medical Center, explains, "Digital storage is an option for the future because of our prediction of need. File sizes are going to continue to get larger. Technologies like three-dimensional imaging, images built from information taken from combined CT and MRI scans, are huge files, and are going to require a tremendous amount of storage for very long periods of time. Financially, digital makes sense. What the medical community needs to see is whether security and confidentiality can be maintained with digital storage."

WAM!NET Inc. believes the answer is Yes. The company provides digital storage and transfer services for its customers in a broad base of industries. Its innovative WAM!NET® service for sending large digital files and WAM!BASE® storage capability are proven solutions for businesses that rely on quality and consistency.

Medical files must meet the strictest requirements of any industry. WAM!NET is building an interface to work with PACS, allowing its powerful network to seamlessly interact with the medical community's standard imaging protocols. With this technology, medical imaging devices can connect directly to the WAM!NET® network and WAM!BASE® storage centers, taking advantage of the private network's speed, high security and total dependability.

HIGH REQUIREMENTS

The University of Maryland Medical Center averages 450 studies per day, and completed over 276,000 last year alone. Each one of those images contains data that could change or confirm a diagnosis, determining a course of treatment for a patient. So each image must be held in storage, ready for retrieval at any time and without any degradation of quality. A medical center's first requirement for data storage is zero fault tolerance. Each image must maintain a consistently high quality at each viewing, and must be available any time it's needed.

The next priority is transparency to the image scanning systems in place. A network sending and storage solution must interface seamlessly with the medical imaging devices used at the medical center; and must have a similar appearance for the busy technologists who run the equipment, who don't have time for extensive training on extra systems.

Cost is a factor as well, but the final requirement is dedication. As Dixon sums up, "We need our vendors to take their mission as seriously as we do in the hospital. If we invest in someone, we have to have confidence that they'll be around to work with us and with our technology ten years from now."

Quality, transparency, dependability: those are the high standards that the University of Maryland holds up for WAM!NET Inc. as it tests the high-speed WAM!NET[®] network and WAM!BASE[®] storage system. And WAM!NET is meeting those demands.

TESTING, 1...2...3...

The WAM!NET network is undergoing phased testing at Maryland. The first phase, now completed, established the connection between the medical centers imaging devices and the WAM!NET storage centers being used for the testing. Initial test files were sent manually, transmitting small amounts of data across the network to track and check.

The current phase of testing involves ramping up the amount of data being shipped across the WAM!NET network to storage. All new studies are being sent to the off-site, online data storage centers operated by WAM!NET. As each study is compiled and viewed digitally, the same digital information is sent to storage. This digital image will reside on WAM!NET servers, ready to be retrieved at any time, and to provide the exact same image that was originally taken. Because the images are digital, they are identical each time they are retrieved, and they are original, unmanipulated images each time they are viewed.

The final phase of testing, expected to begin by the time this article prints, will focus on the query and retrieve function. Staff at the University of Maryland will call up images from storage in addition to obtaining the digital images stored on-site at the medical center. If these functions perform as well as they are expected to, off-site digital storage will be on its way to becoming a valuable option for busy medical centers like the University of Maryland.

"It's going well so far," reports Dixon. "There's always a ramp-up with a new system, but the WAM!NET system is virtually transparent to us right now. We're just doing our work, and WAM!NET runs in the background."

A CRYSTAL BALL

Dixon foresees a future in which digital storage will become a valuable tool for the medical community. Although the demands of the industry will always require that images be stored on site, long-term digital storage will create options for medical facilities that generate - and must store - large and increasing volumes of patient images. "If I were to get out my crystal ball," says Dixon, "I'd say that WAM!NET could provide a neat solution for our long-term storage needs. Off-site, accessible storage will give us additional back-up for our storage system without creating demands for more space and personnel. It's got a lot of potential."

The work with WAM!NET Inc. has helped the University of Maryland Medical Center explore the potential of digital innovation, and its benefits to the medical community.

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PUBLISHER WORKFLOW SOLUTIONS
TIME INC. CASE STUDY

**"WAM!NET ALLOWS OUR IMAGING
DEPARTMENTS TO SEND FILES
DIRECTLY FROM THEIR DESKTOPS TO
OUR PRINTERS VIA THE WAM!NET
NETWORK ACCESS DEVICE.
THE PROCESS IS SIMPLER AND
MORE STREAMLINED."**

FLEXING ITS TECHNOLOGY

Time Inc. demands a lot from its print transmission system

To respond in an instant to any situation, to turn on a dime if required, to redirect energy and resources to meet any challenge, these are the demands that we-mean-business deadlines place on printing technology. To meet these demands, the technology must be reliable, fast, and most of all, flexible.

Peter Meirs, Director of Imaging and Transmission Systems for Time Inc., might phrase it another way. He wants technology that will let him spend his evenings and weekends with his family in peace.

Meirs works in Time Inc.'s centralized production division to provide production services, including managed transmission of editorial content to printers across the country, to the twelve magazines that the company publishes out of its New York offices. As part of his job, Meirs studies trends in digital print production, scouting for new technology that can improve or expedite production for the many magazines that Time Inc. produces.

THE PROJECT: CONVERTING TO DIGITAL

In 1997, Meirs was assigned the project to convert Time Inc.'s printing process to computer-to-plate imaging. At the time, the company was using a C-band satellite system that incorporated film recorders at all of its printers. Five imaging centers in New York City would create editorial pages electronically. The files would be sent via a Local Area Network to the transmission center at the Time & Life Building in Manhattan, where the files would be RIP'd, translated into bitmaps, and sent to twelve printers at different locations across the United States. The printers would capture the files and output them to film for platemaking.

The aging proprietary system had 60 separate failure points. That made for some nerve-wracking weekends for Meirs and his team as they worked to ensure that their magazines printed correctly and on time. Meirs began to study the process.

"We had four options," he explains. "We could keep the existing system. We could build a new transmission system from scratch. We could hire a third party vendor to develop a new system for us, or we could locate a turnkey system that would handle the volume and scale we deliver."

"We determined we needed a new system as part of the project to switch to computer-to-plate. We decided not to build our own--we're very good at managing transmission of magazine content, but our core competency is not in building equipment. We looked at having a new system built for us, but our timeline for the project was very aggressive, and that seemed too risky. In the end, we decided that a turnkey solution was our best answer."

THE CHOICE: WAM!NET® SERVICES

An intensive search led Meirs' team to WAM!NET Inc. The WAM!NET® data transmission service provided the speed and bandwidth needed to transmit editorial content to Time Inc.'s printing vendors with the quality and reliability the company required. For Catherine Gioeli, the Financial Manager on Meirs' team, the analysis made sense. "Our original proprietary satellite system cost considerably more than the WAM!NET environment," she notes. "WAM!NET was available and it works. The other companies we considered would have needed time to build a new system."

Today, the WAM!NET transmission service keeps Time Inc.'s editorial content flowing to its printers, simplifying its workflow. "With the satellite system," Meirs explains, "we had to maintain a substantial central staff to receive editorial pages, pre-process the files, track receipt, and send them via satellite. WAM!NET allows our imaging departments to send files directly from their desktops to our printers via the WAM!NET Network Access Device. The process is simpler and more streamlined."

The process keeps the work moving, too. "With the satellite system, we had four to five incidents per week that caused downtime. Some of those lasted only minutes, but some ran into hours. The WAM!NET system has had one-fifth to one-tenth of that incident rate, and the severity of the incidents is lower because the system's redundant features keep files moving," says Meirs.

"We work a lot with WAM!NET's tier two technical staff," says Doug Hoffman, Operations Manager for Time Inc. Production. "They're responsive and knowledgeable. We can apply a lot of pressure here, and they handle it pretty well."

Chris Scala, Systems Administrator for Time Inc. Production, agrees. "Our questions are pretty detailed, not always what their technical staff is used to hearing. They communicate well with us."

KEEPING PACE WITH TIME: TECHNICAL FLEXIBILITY

In addition to its current technical capabilities, the WAM!NET system offers room for flexibility and growth. With WAM!NET, Time Inc. is able to transmit its digital ads in addition to editorial content, increasing their delivered volumes by 40 percent.

WAM!NET will also grow easily with Time Inc. The satellite system Time Inc. employed until 1997 linked the publisher with earth stations at twelve printers. To add a new print facility, the cost of a new earth station, had to be justified. "Adding a printer to our WAM!NET network only means bringing in a new Network Access Device, and then only if the printer is not already on the WAM!NET system," explains Meirs. "This gives us tremendous flexibility."

Flexibility, reliability, efficiency. To the printing industry, these mean good technology, and good business. To Peter Meirs, they mean these, and also peaceful weekends. "I can't remember the last time I had a weekend call with WAM!NET," he says happily.

Direct!™

Complete turnkey service with dedicated access to the WAM!NET® network.
Now includes Internet FTP services.

Service Level Speed	Monthly Service Fee Zone 1	Monthly Megabyte Allowance
200 MPH (megabytes per hour)	\$650 per month	\$250 per month (2,500 Internet Gateway Host megs per month)
400 MPH (megabytes per hour)	\$1,000 per month	\$500 per month (5,000 Internet Gateway Host megs per month)
1,000 MPH (megabytes per hour)	\$2,000 per month	\$1,000 per month (10,000 Internet Gateway Host megs per month)

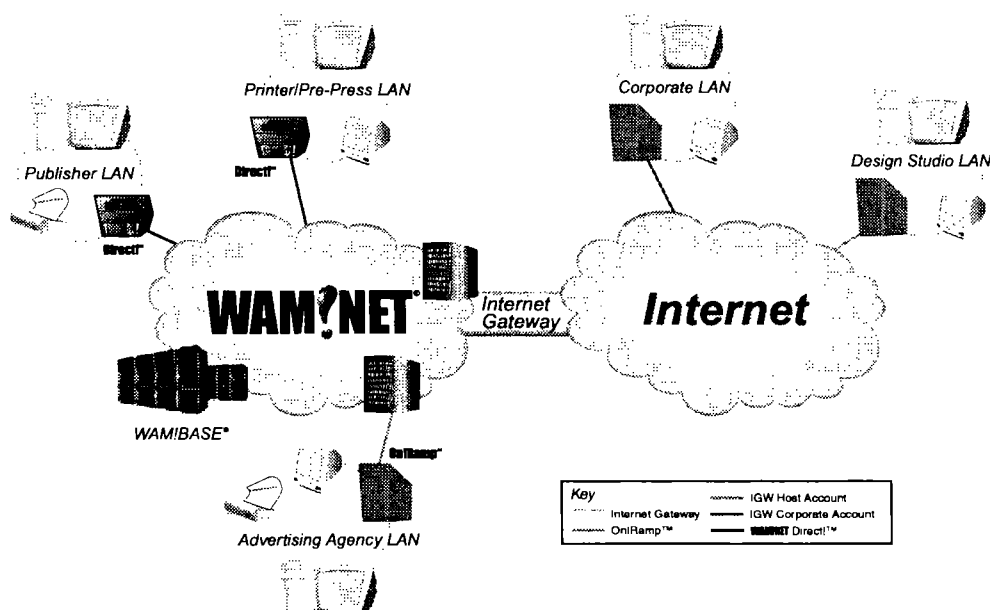
Transaction Charge	SEND TO or Hosted INTERNET GATEWAY	SEND TO <i>DIRECT!</i>	SEND TO ON!RAMP™
Charge per Megabyte (by destination sends only-receiving is included in monthly service fee)	Anywhere 10¢	US & Canada 25¢	International 35¢
		International 35¢	US & Canada 40¢
			International 50¢

Internet Gateway Host Service

Adds a virtual FTP server to your Purple Box!

WAMINET *Direct!* subscribers can now centralize all their digital file deliveries to the Purple Box via the Internet Gateway Host service. Using the WAMINET® Info Center online application (formerly known as CIS), *Direct!* service subscribers can quickly and easily set up business partners' Internet Gateway Hosted Accounts and "trading" privileges.

Hosted Accounts are paid for, owned, and controlled by the WAMINET *Direct!* subscriber. With Info Center, setting up Gateway Hosted Accounts is far easier than maintaining and updating FTP servers. And better yet, this new service comes at no additional monthly charge – you just pay for the megabytes received at the low rate of just 10¢ per megabyte.



Transaction Charge		Monthly Service Fee			
Charge per Megabyte (by destination sends only-receiving is included in monthly service fee)	Anywhere 10¢	Up to 50 Accounts \$60 per month	Up to 100 Accounts \$100 per month	Up to 500 Accounts \$250 per month	Unlimited Accounts \$500 per month

ISDN On!Ramp™

Easy dial-up access to the WAM!NET network for moderate digital workflow use.

Service Level Speed	Software – Only	Solution Software and ISDN Card
50 MPH 2x64 Kbps ISDN Channels	\$45 per month	\$90 per month
100 MPH 4x64 Kbps ISDN Channels	\$90 per month	\$180 per month
200 MPH 8x64 Kbps ISDN Channels	\$180 per month	\$360 per month

Transaction Charge		
Charge per Megabyte (by destination sends only-receiving is included in monthly service fee)	US & Canada 40¢	International 50¢

Value Bundles

For those of you who just send, send, send, we have a special program. Our Value Bundle contracts give you the megabytes you'll need at great savings as a credit against transaction charges. In addition to your regular service fee, each month you pay for a big bundle of megabytes at savings up to 50%. Once they're gone, all additional megabytes are charged at the same bundled rate. You can upgrade to higher levels of value bundles at any time, although unused megs cannot be carried over month to month.

Monthly Cost For Value Bundle	Transaction Credit	Buys Approximately*	Savings Off Standard Rate
\$ 500	\$ 850	8,500 megs	40%
\$ 1,000	\$ 1,850	18,500 megs	45%
\$ 2,500	\$ 5,000	50,000 megs	50%

* Sending to or Hosting Internet Gateway accounts

What's the catch? There's no catch. But there are a couple one time fees for WAM!NET *Direct!* customers.

Line Installation	\$1,500
Purple Box Relocation or Exchange	\$1,500

Monthly Service Fee: The monthly service fee for *Direct!*, *On!Ramp*, and Internet Gateway Services covers all costs except per megabyte transmission costs, and includes customer support service 24 hours a day, 7 days a week, per contract terms. All ISDN *On!Ramp* customers must provide their own ISDN phone lines, set up, installation and server hardware running IP (Internet Protocol). Buying a solution includes an ISDN Card as well. The *Direct!* package includes all equipment necessary to deliver the performance level (speed) you choose.

Charge Per Megabyte: Reflects the cost to send one megabyte of data based on the destination you are sending to. There is no charge to receive data — it's included in your Monthly Service Fee. Unused megabytes cannot be carried over from month to month, or used to reduce your Monthly Service Fee. One megabyte equals one million bytes.

WAM!NET Inc.
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WAM!NET
digital networking service

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Direct!™

Complete turnkey service with dedicated access to the WAM!NET® network.
Now includes Internet FTP services.

Service Level Speed	Monthly Service Fee Zone 2	Monthly Megabyte Allowance
200 MPH (megabytes per hour)	\$800 per month	\$250 per month (2,500 Internet Gateway Host megs per month)
400 MPH (megabytes per hour)	\$1,500 per month	\$500 per month (5,000 Internet Gateway Host megs per month)
1,000 MPH (megabytes per hour)	\$3,000 per month	\$1,000 per month (10,000 Internet Gateway Host megs per month)

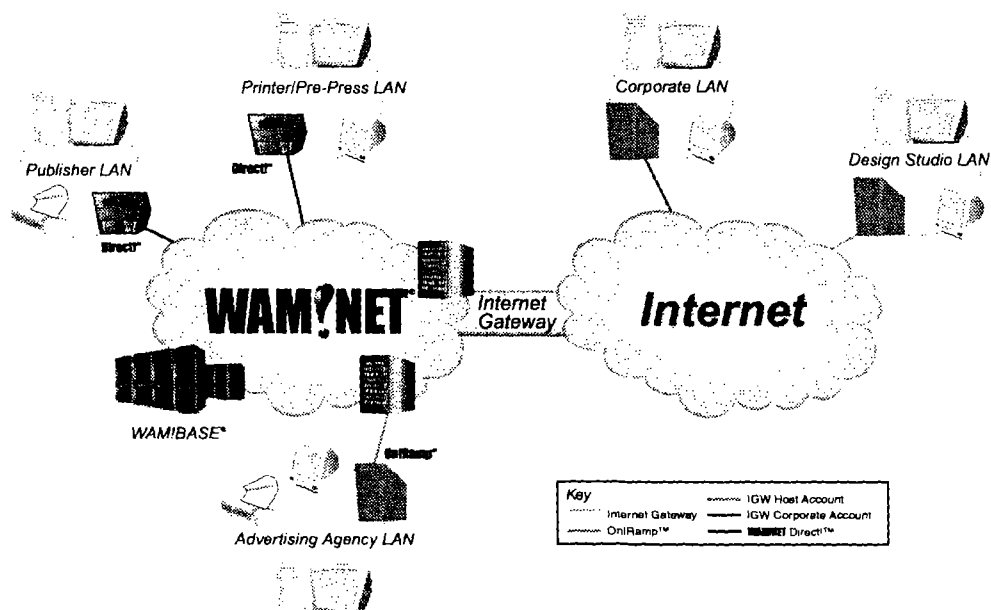
Transaction Charge	SEND To or Hosted INTERNET GATEWAY	SEND To DIRECT!	SEND To ON!RAMP™
Charge per Megabyte (by destination sends only-receiving is included in monthly service fee)	Anywhere 10¢	US & Canada 25¢ International 35¢	US & Canada 40¢ International 50¢

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Complete service over the Internet.

Transaction Charge		Monthly Service Fee			
Charge per Megabyte (by destination sends only-receiving is included in monthly service fee)	Anywhere 10¢	Up to 50 Accounts	Up to 100 Accounts	Up to 500 Accounts	Unlimited Accounts
		\$60 per month	\$100 per month	\$250 per month	\$500 per month

ISDN On!Ramp™

Easy dial-up access to the WAM!NET network for moderate digital workflow use.

Service Level Speed	Software – Only	Solution Software and ISDN Card
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200 MPH 8x64 Kbps ISDN Channels	\$180 per month	\$360 per month

Transaction Charge		
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Charge Per Megabyte: Reflects the cost to send one megabyte of data on the destination you are sending to. There is no charge to receive data if it's included in your Monthly Service Fee. Unused megabytes cannot be carried over from month to month, or used to reduce your Monthly Service Fee. One megabyte equals one million bytes.

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WAM!
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USA&N

Direct!™

Complete turnkey service with dedicated access to the WAM!NET® network.
Now includes Internet FTP services.

Service Level Speed	Monthly Service Fee Zone 3	Monthly Megabyte Allowance
200 MPH (megabytes per hour)	\$1,000 per month	\$250 per month (2,500 Internet Gateway Host megs per month)
400 MPH (megabytes per hour)	\$2,000 per month	\$500 per month (5,000 Internet Gateway Host megs per month)
1,000 MPH (megabytes per hour)	\$4,000 per month	\$1,000 per month (10,000 Internet Gateway Host megs per month)

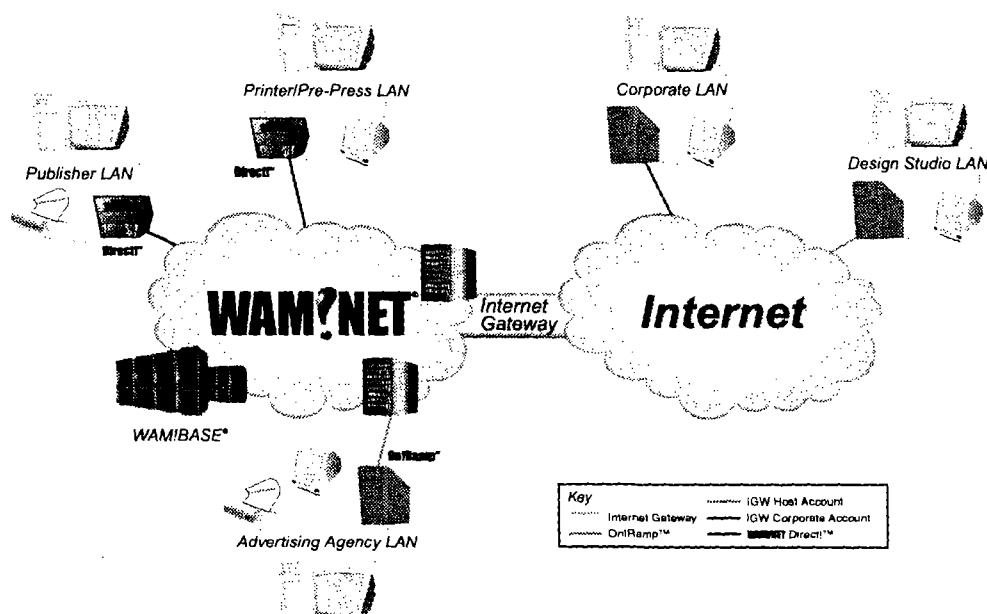
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USA

WAM!BASE Archive Pricing Schedule for North America

(A) Your subscription to Archive Services includes the following (the "Base Plan"):

- 1) The month of installation is free
- 2) A minimum one year service term beginning the first of the month following installation
- 3) WAM!NET transport contract term adjusted to be coterminous
- 4) A minimum storage commitment of 50,000 MB (50 gigabytes)
- 5) The creation of up to three Libraries in the Archive with a \$150 fee for each additional library
- 6) Free file uploads to the Archive
- 7) A MB-per-Month rate for storage from the Base Plan table below that decreases as your actual quantity of data storage increases

Actual Storage (MB)	MB-per-Month Rate (\$)
50,000	0.028
100,000	0.022
250,000	0.016
500,000	0.012
1,000,000	0.011
2,500,000	0.01
5,000,000	0.0095
10,000,000	0.0085

- 8) The "Best Rate" policy, where the lowest MB-per-Month rate is automatically applied based on actual storage volumes
Example:
 - Actual Storage Volume is 90 GB
 - "Best Rate" price = \$2,200 (100 GB X \$0.022 = \$2,200 is less than 90 GB x \$0.028 = \$2,520)
- 9) A file is counted as stored for the entire month if it is in the Archive for any period of time during the month
- 10) Actual monthly storage volume is calculated as the beginning Library size plus the size of files added during the month
- 11) Free and unlimited browse time in the Archive by approved users
- 12) Free downloads from the Archive to one of the Library owner's Sites for up to 100% of the volume that Site uploaded during the month
- 13) Standard WAM!NET Megabyte Transaction Charges for forwarding files out of the Archive to approved Trading Partners

(B) AND you can optionally select one or both of the following additive discount programs.

A Two Year or More Term Commitment

- 14) For a service term commitment of two years or more, the MB-per-Month rate table from the base plan will be discounted by 8%

A Larger Minimum Storage Volume Commitment

- 15) For a minimum storage commitment from the table below, the MB-per-Month rate table from the Base Plan will be discounted according to the table below.

Minimum Monthly Storage Commitment (MB)	MB-per-Month Rate Discount %	Minimum Monthly Storage Commitment (MB)	MB-per-Month Rate Discount (%)
50,000	10%	1,000,000	18%
100,000	12%	2,500,000	20%
250,000	14%	5,000,000	22%
500,000	16%	10,000,000	24%

WAM!BASE Archive Pricing Schedule for North America

(C) Look up your MB-per-Month rate (\$) based on the discount program(s) chosen.

Minimum Storage Volume (MB)	Base Plan with One Year Term and the 50 GB Minimum	Base Plan with Two Year Term and the 50 GB Minimum	One Year Base Plan with Larger Minimum Storage Commitment*	Base Plan with Two Year Term and Larger Minimum Storage Commitment*
50,000	0.0252	.023	0.0252	0.0230
100,000	0.0198	.018	0.0194	0.0176
250,000	0.0144	.0131	0.0138	0.0125
500,000	0.0108	.0098	0.0101	0.0091
1,000,000	0.0099	.009	0.0090	0.0081
2,500,000	0.009	.0082	0.0080	0.0072
5,000,000	0.0086	.0078	0.0074	0.0067
10,000,000	0.0077	.007	0.0065	0.0058

* This column quotes the MB-per-Month rate that corresponds with the minimum commitment listed in the first column, however, it does not quote the floating scale of discounted rates above the minimum. For example, a minimum commitment of 100GB on a 1 year term yields a rate of \$0.0194, however, if the actual storage volume is 250 GB, the floating rate will decrease to \$0.0141 (\$0.016 from the 1 year base plan for 250GB of storage discounted by 12% from the larger minimum discount table for a 100GB minimum).

(D) Look up your monthly fee (\$) based on the discount programs chosen.

Minimum Storage Volume (MB)	Base Plan with One Year Term and the 50 GB Minimum	Base Plan with Two Year Term and the 50 GB Minimum	One Year Base Plan with Larger Minimum Storage Commitment	Base Plan with Two Year Term and Larger Minimum Storage Commitment
50,000	1,260	1,150	1,260	1,150
100,000	1,980	1,800	1,940	1,760
250,000	3,600	3,275	3,450	3,125
500,000	5,400	4,900	5,050	4,550
1,000,000	9,900	9,000	9,000	8,100
2,500,000	22,500	20,500	20,000	18,000
5,000,000	43,000	39,000	37,000	33,500
10,000,000	76,500	70,000	65,000	58,000