

SOURCE DATA

THE DATAPoint SYSTEMS NEWSLETTER

No. 7

June/July 1980

EMS™ – Datapoint's Electronic Message System

Another component of Datapoint's Integrated Electronic Office is currently available -- the Electronic Message System. EMS is used with an Attached Resource Computer™ (ARC™) system to electronically collect, route and deliver messages which have been generated with Datapoint's word processing system (IEOS). EMS requires no user programming, and the system is easily configured and expanded to meet the needs of any size business.

A Datapoint 6000 or 6600 processor in an ARC system serves as the EMS network controller. Message pickup and delivery occur from large-screen processors (3800, 1800) operating as Integrated Electronic Office Stations in the ARC system. Up to 1000 of these stations can be accommodated as mailstops on one EMS system network.

Message Handling with EMS

A message is created on an Integrated Electronic Office Station (IEOS) using Datapoint's word processing system. The commands used to send and receive the EMS messages appear on the IEOS master menu screen under the heading "Message Services." *continued...*

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Letter to the Editor

Greetings,

Something I'd like to see in upcoming issues of SOURCE DATA: holes. Preferably three of them along the left hand edge of each issue. The average three hole punch doesn't have a big enough slot to accommodate some of your more thrill-packed issues, and I'm certain it is a common practice or desire to put the newsletter in a binder. Keep up the good work.

Yours truly,
George Koch

To Mr. Koch and all the other SOURCE DATA readers who have requested holes:

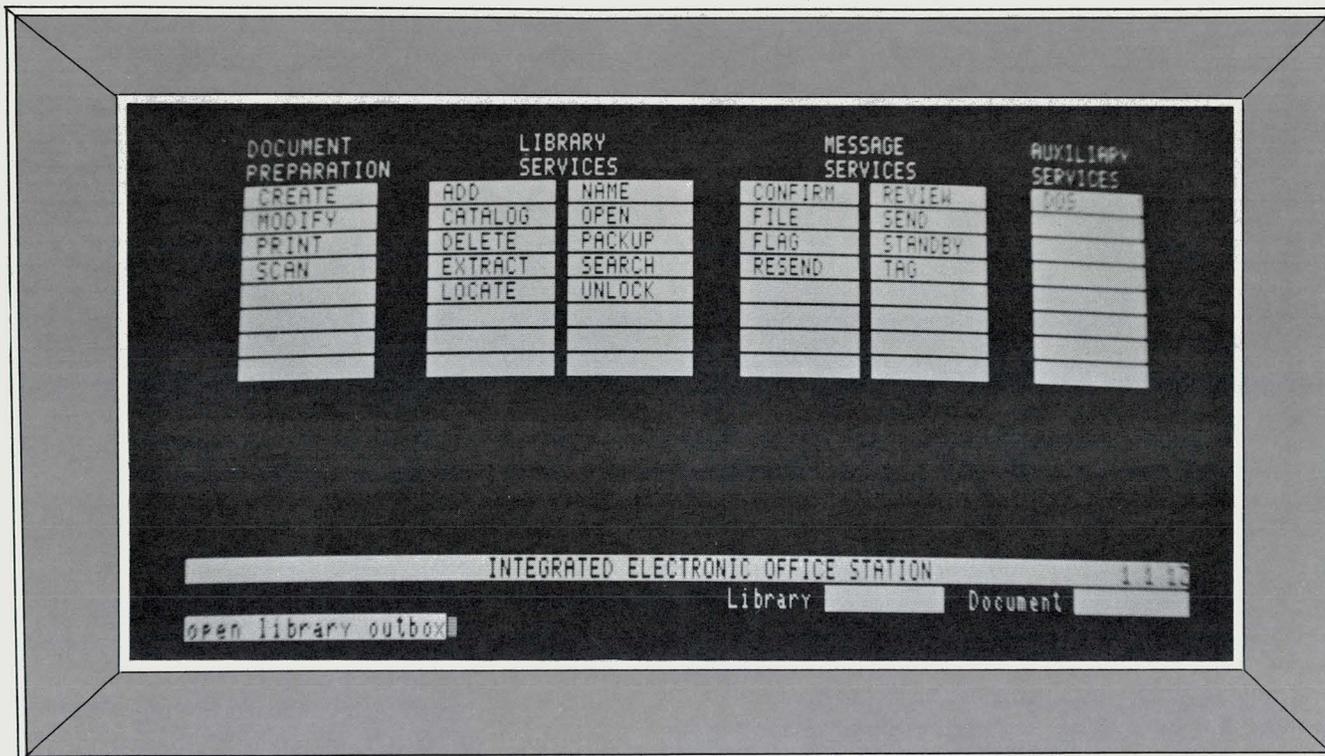
All the future issues will have three holes punched along the left hand of each issue!

Because of my husband's transfer to the east coast, this is my last issue as writer/editor for SOURCE DATA. I have enjoyed my work with the newsletter since its inception a year ago and regretfully but confidently pass on my responsibilities to the new editor, Lori Buffum.

Buffie Wise

I look forward to carrying on the tradition of SOURCE DATA as an educational publication of service to you, the readers. Your suggestions for future articles are welcome as are your personal contributions as users of Datapoint systems.

Lori Buffum
Editor



After the message text is created and the address format is completed, the message is moved to the EMS electronic Outbox. The electronic network controller regularly polls each Outbox on the system to pick up messages. When a message is picked up, the network controller queues it for transmission and then delivers it to the recipient's Inbox.

When a message is received, it may be TAGged by subject matter and FILEd in a word processing library. The document name may be changed if desired, and any library may be selected for filing the document.

EMS Security and Verification

All messages within an organization are contained within the ARC system, ensuring that messages are not delayed or lost. The EMS system offers a number of ways to guarantee timely delivery and provide security for confidential correspondence:

****Delivery priorities.** EMS provides four user-controlled delivery priorities for sending messages:

1. Overnight--the message will be delivered and waiting in the morning. This priority is especially useful for long documents or batch transactions.
2. Regular--most messages are sent this way and same-day delivery is assured.
3. Urgent--these messages are sent ahead of those using "regular" priority.
4. Immediate--the message is given special treatment by EMS to assure as-soon-as possible delivery.

****Confirmation.** Confirmation of delivery insures that the sender will be informed that the message has been delivered. The reader is forced to acknowledge receipt before the message can be read.

EMS Model Codes

Electronic Network Controller, Model Code 9826.

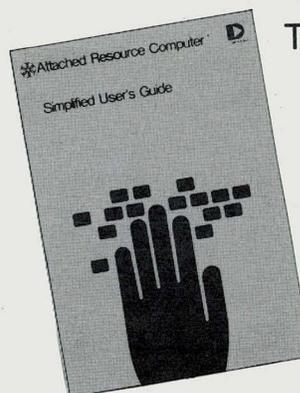
Electronic Message System, Model Code 9823.

Electronic Network Controller User's Guide, Document No. 50502

Message Services User's Guide, Document No. 50519

EMS Simplified User's Guide, Document No. 50523

EMS software is available to customers who send at least one representative to a Datapoint Customer Education Word Processing class and two training classes for EMS. The class charges are \$750 for Word Processing and \$1500 for EMS training at a Customer Education Center. (On-site training can be arranged.)



This is What the ARC Simplified User's Guide Really Looks Like!

Word Processing Software Available for Datapoint's 1800 Processor

Datapoint's word processing software has now been released for use on the 1800 processor -- IEOS/1800 Version 1.1. All of the total document management features available in word processing on the 3800 processor are included in this stand-alone 1800 version, including:

- document creation
- document editing
- printing
- filing
- document retrieval

IEOS/1800 Model Codes

IEOS/1800 Version 1.1, Model Code 9821. The IEOS software is available to customers who send at least one representative to a Datapoint Customer Education Word Processing class. The software is available on a double density diskette. The media charge is \$15.00 and the class charge is \$750.00 for the training at a Customer Education Center. (On-site training can also be arranged.) The software will be shipped to the customer site during the week of training.

Word Processing Support

A toll-free number is available for use by supervisors at sites with installed Datapoint hardware and word processing software. The site supervisor must have attended Datapoint word processing training, and a site number covering the word processing installation must have been assigned.

If a word processing question arises there are several steps to be taken:

1. Consult the word processing-trained site supervisor.
2. Refer to the Word Processing Simplified User's Guide or Supervisor's User's Guide.
3. If the question cannot be answered by referring to the user's guides, the site supervisor should call the Marketing Support Specialist (MSS) in the local Datapoint office.
4. If the MSS is not available, the supervisor may call the word processing support number. This number is:
800-531-7173

Peripheral Switching Devices

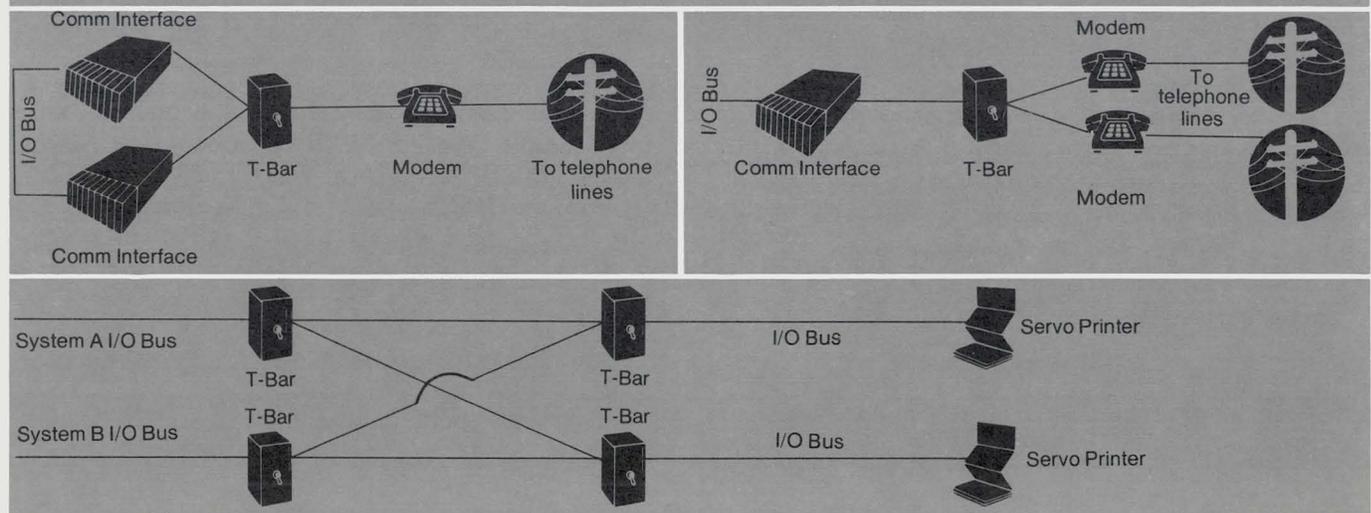
Datapoint's peripheral switching devices, called T-bar switches, permit I/O cables to be switched from one device to another without the need for disconnecting and reconnecting the cables. T-bar switches can be very useful in configurations where occasional use of a peripheral or a communications link is required by two systems (or a system has access to two peripherals or communications interfaces).

T-bar switches are compatible with all Datapoint processors, peripherals and communications accessories, and can be used for a variety of functions:

- One processor can switch to two peripherals
- Two processors can switch to one peripheral
- Two modems to one communications interface
- One modem to two communications interfaces

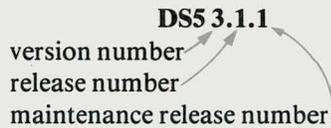
With Datapoint's peripheral switching devices, minor configuration changes can be accommodated without the need for altering system cabling. Here are some typical system configurations using T-bar switches.

Possible Configurations using Peripheral Switching Devices



Maintenance Releases – What are They?

Datapoint's numbering system for software releases uses up to three digits --



The initial release of a software product is usually numbered 1.1. Maintenance releases are supplements to the existing software version. They are issued when there is an immediate need for the release of a corrected software problem or a newly added software feature. Maintenance releases cancel only previous maintenance releases (but they may also supplement them), and all new features are included in the next upgrade of the software.

For example, DS5 3.1.1, released Jan. 20, 1980, is a maintenance release which corrects three problems with DATASHARE V version 3.1. The program files released are:

DS5V311/CHN CHAINPLS upgrade chain
DS5/TXT CHAINPLS chain file
DS5V311/REL DS5 relocatable file
DS5/RFM Release form print file

These files are released on cassette, diskette and double density diskette and are applied to DS5 3.1 with the command

CHAINPLS DS5V311/CHN

DATASHARE V version 3.2, released April 9, 1980, cancels both DS5 3.1 and DS5 3.1.1. The revisions included in the maintenance release are now incorporated into DS5 3.2.

Designing Data Files – Accessing Flexibility

Datapoint's Disk Operating System utilizes a common structure for all data (text) files. There are several possible ways to organize records on disk, and the organization chosen may actually be independent of the way in which the records are retrieved or accessed. The file structures are:

Blocked

An integral number of logical records in each sector. If this number is one (1), the file is sometimes referred to as unblocked. If two or more, then the file is said to be blocked 2, etc.

Record Compressed

Logical records span sector boundaries, and the relationship of logical to physical records is indeterminate.

Space Compressed

Two or more blanks (spaces) in any portion of any logical record are stored on disk as two bytes: a space compression character (011) and a count of the number of spaces represented.

Blocked and record compressed organizations can be seen to be opposites and, therefore, mutually exclusive. Space compression is independent of these two, but in practice is virtually never used in blocked files.

Accessing methods include:

Sequential

Logical records are read in sequence from the beginning to the end of the file.

Random (Direct)

Records are accessed directly by sector number.

Indexed

Records are accessed by key.

Since any file may be indexed, regardless of its structure, literally any file may be accessed by any of the above methods. Of course, if access is made to sector number 257, it will only be meaningful if the user knows what is supposed to be in sector number 257!

The only real restriction relates to changing or updating files in place on the disk. Space compression causes records to be different lengths on disk. If a twelve-byte name field is written with space compression, it will appear on disk as:

00
SMITH10
17

} with the 011 space compression character and the 007 = seven spaces

An attempt to update the name in place on disk with a new name like WINTERBOTTOM would clearly cause data following the original name to be lost.

The illustrations summarize file organizations and appropriate access methods.

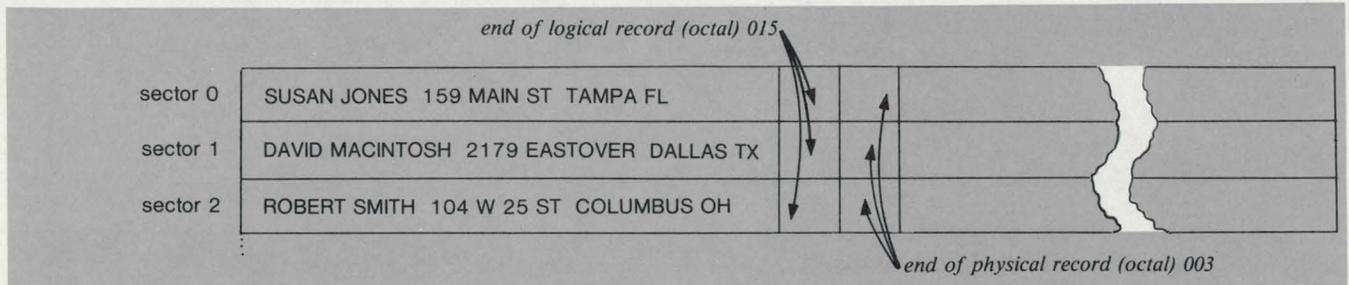
continued...

FILE STRUCTURE

Unblocked
(one logical record per sector)

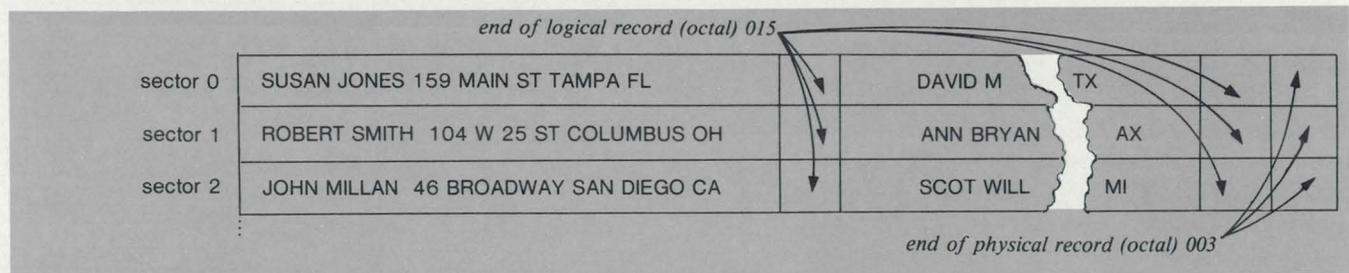
FILE ACCESSING METHODS

Random
Indexed
Sequential
(no updates in place)



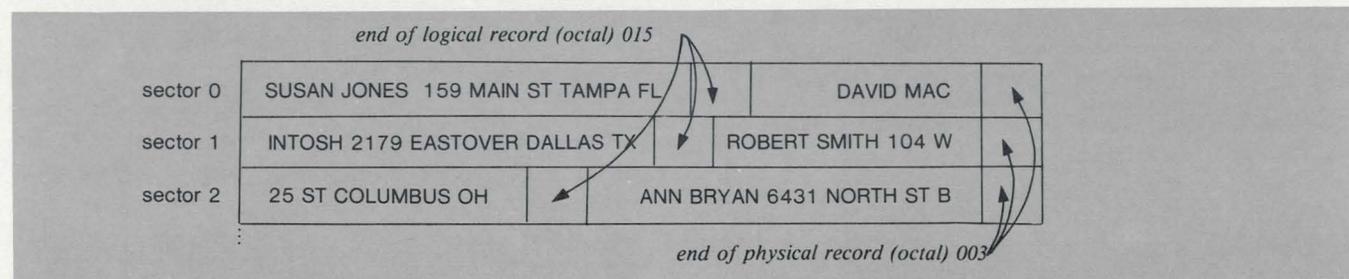
Blocked
(a number of logical records per sector)

Random
Indexed
Sequential
(no updates in place)



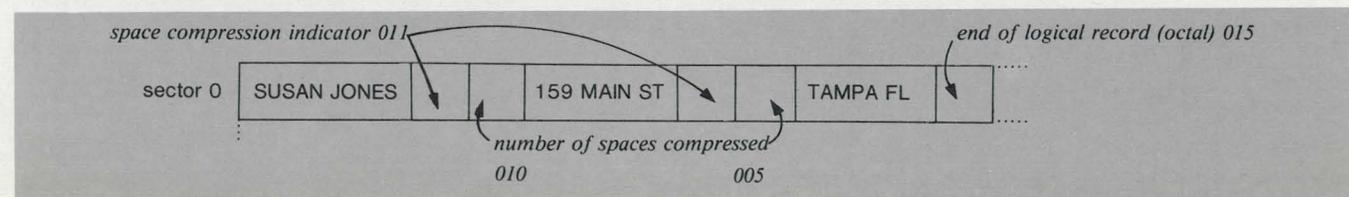
Record compressed
(logical records follow one another and cross physical record boundaries)

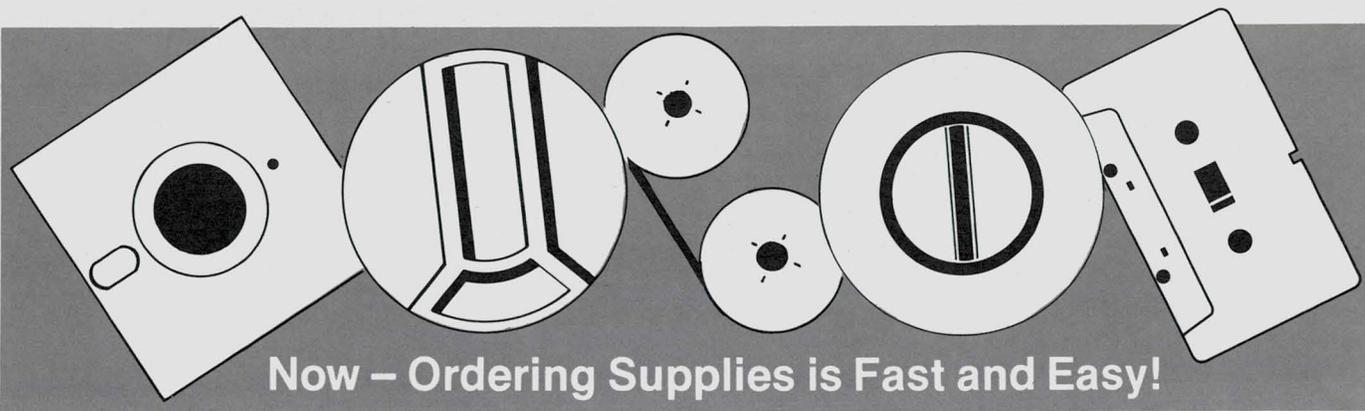
Indexed
Sequential
(no updates in place)



Record and space compressed
(logical records follow one another and cross physical record boundaries and spaces are compressed)

Indexed
(no updates in place)
Sequential
(no updates in place)





Now – Ordering Supplies is Fast and Easy!

A new Customer Supplies Catalog, which illustrates and describes supplies available from Datapoint, is soon to be distributed to all Datapoint customer sites. The supplies (which include blank cassettes, diskettes, disks, ribbons, print wheels, etc.) can now be ordered using a new toll-free number:

800-531-5770
(In Texas -- 800-292-5100)

This number is for placing routine customer supplies orders which will be filled and shipped within 24 hours. Routine orders may continue to be placed through the local sales offices or by mail directly through Software Services. This address is:

Datapoint Corporation
Software Services
4319 Medical Drive
San Antonio, TX 78229
Attn: MS#V05

For **emergency** orders (which are handled immediately), call 512-699-7810.

Datapoint's customer supplies are quality products, certified to meet all Datapoint hardware specifications. However, if an item is found to be defective, it should be returned immediately and will be replaced.

Datapoint Customer Supplies Catalog--
Document No. 80000 (no charge)

Customer Supplies Price List and Order Form--
Document No. 80001

MLDSDS – MULTILINK™ DATASHARE® to DATASHARE®

The DATASHARE to DATASHARE line handler (MLDSDS) is a communications interface for MULTILINK. It allows any Datapoint port in a multidropped leased line network to communicate with any other Datapoint port in the network. The standard DATABUS SEND and RECEIVE verbs are used for the communications which occur at speeds up to 9600 bps.

MLDSDS will operate with any DATASHARE system having MULTILINK capability. When configuring DATASHARE, this external MULTILINK line driver requires 3K bytes of memory.

Up to 16 DATASHARE systems may participate in the network with MLDSDS. In this network, any port is capable of communicating with any other port.

Equipment needed for MLDSDS includes:

- A processor capable of running MULTILINK (1800, 3800, 5500, 6600) with at least 48K bytes of user memory
- A 9481 multifunction communications adapter or internal communications adaptor
- At least one DATASHARE system with a modem capable of loopback

MLDSDS Model Codes

MLDSDS -- Model Code 20524, 1 cassette, \$15

Model Code 40430, 1 double density diskette, \$15

User's Guide -- Document No. 50380, \$2.50

Communications Management Products – One Component of the Integrated Electronic Office

Datapoint's INFOSWITCH™ systems provide control and management of the telecommunications resources of a business. All the latest communications management software releases will be included in the Software Program Releases section of upcoming issues of Source Data.

Datapoint's Communications Management Products are aimed at solving the key problems faced by telecommunications users. Each system addresses a particular problem:

*LDCS™ (Long Distance Control System) -- controls and minimizes long distance costs

*SMDR™ (Station Message Detail Recorder) -- monitors local and toll charge calling

*SHARE™-- provides centralized control for multi-location companies

*ACD™ (Automatic Call Distributor) -- provides efficient processing of high volume inbound calls

*PLM (Passive Line Monitor) -- monitors calls and provides complete call records

In addition to these turn-key systems which provide specific solutions to specific problems, Datapoint offers a system which integrates the data processing and communications management functions:

*INFOSWITCH/ARC -- allows a business to place any INFOSWITCH product listed above on an Attached Resource Computer system

INFOSWITCH software packages, including the Network Optimizer, Telephone Directory Package and Equipment Billing Package are interactive programs which provide even more information for the management of telecommunications resources.

LDCS

The Long Distance Control System is a control and management system for outbound long distance telephone communications. The system can be used with Centrex or PBX telephone systems, and will control Direct Distance Dialing (DDD) as well as WATS, foreign exchange, tie lines and other telephone facilities to optimize call placement. The intelligent switching subsystem accommodates from 6 to 83 long distance telephone trunks, and reduces long distance costs through a combination of least-cost routing, queuing and call buffering.

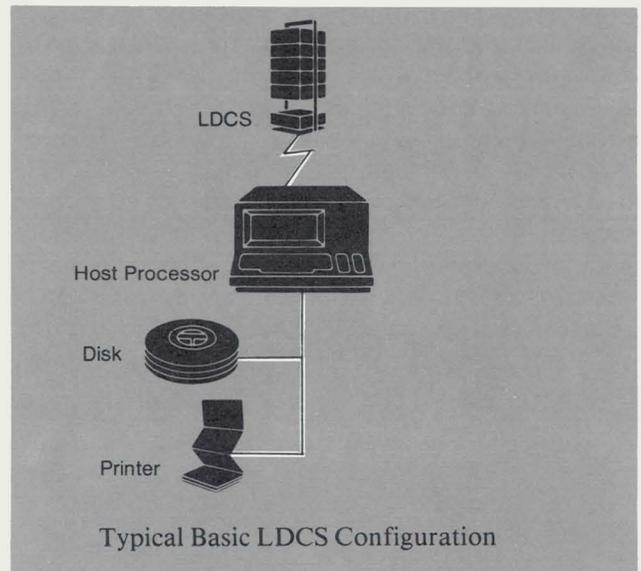
The LDCS system provides detailed cost allocation reports for all long distance services:

- by individual
- by cost center
- by department
- the overall corporate level

LDCS can also supply information on line use:

- daily call activity summary
- input line use
- output line use
- traffic engineering reports

With these reports, the operating efficiency of a company's long distance communications facilities can be assessed and the lines configured for optimal use



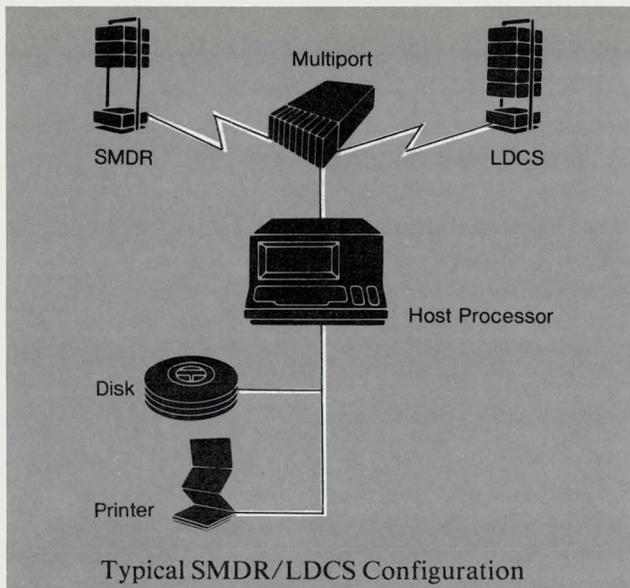
SMDR

The SMDR is a passive monitor which connects directly to each telephone station and provides management and cost information about local and toll calls. The Automatic Station Identification feature monitors calls by extension. Local telephone traffic is handled by an intelligent metering subsystem which provides complete information on local toll calls including:

- originating extension
- call duration
- number dialed
- cost

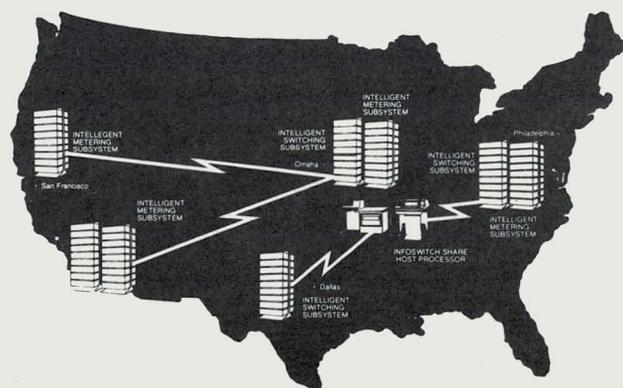
With an LDCS intelligent switching subsystem connected to the host processor in association with the SMDR, the system can provide control of long distance facilities as well as monitoring local telephone communications.

continued...



SHARE

The SHARE system provides multi-location corporations with the ability to centrally manage and control a corporate telecommunications network. Any combination of from one to eight LDCS or SMDR subsystems can be supported by the host SHARE processor. The subsystems take care of the details of actual call placement at the local level, while management and reporting functions occur at the host processor site. The SHARE system has no distance limitation. For example, a company's home office is in Omaha, Nebraska, where the host processor, an LDCS and an SMDR are situated. "Remote" LDCS and SMDR subsystems are located in San Francisco, Los Angeles, Dallas and Philadelphia.



ACD

The Automatic Call Distributor provides efficient processing of high volume incoming telephone calls and makes optimum use of existing telephone facilities. The system accommodates standard input telephone lines such as inward WATS, foreign exchange and local service, and provides uniform distribution of the incoming calls. The ACD intelligent switching subsystem recognizes an incoming call, determines which agent group should receive it and connects the call to an agent. A user-defined routing table determines how calls are to be processed including options such as:

- delay announcements
- music on hold
- call origination announcements
- programmable ring duration
- distribution to other agent groups
- distribution to other ACD systems

In addition to call processing, the ACD system provides a variety of management reports including data regarding:

- total calls offered
- calls handled
- peak load periods
- low load times
- agent productivity

PLM

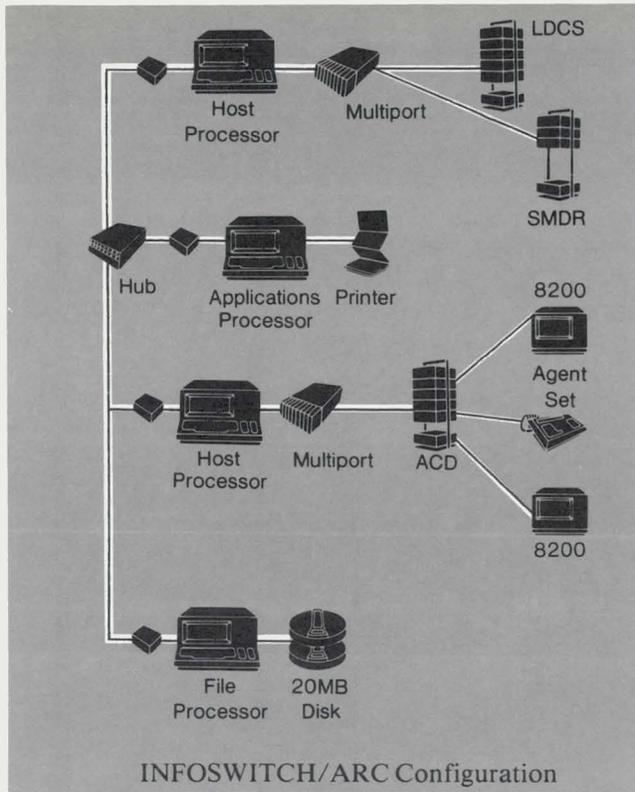
The Passive Line Monitor meters toll and message unit calls and provides detailed records of all calls made. This is valuable in areas where detailed telephone statements or flat rate facilities are not available and an LDCS would not be practical. The management reports can be made by station and/or department.

NATIONAL OFFICE PRODUCTS CORPORATION									
TELEPHONE CALL DETAIL FOR EXTENSION 7147 - ABBEVILLE, ILL.									
PERIOD: STARTING APR 01, 1980 AND ENDING APR 30, 1980									
DATE	TIME	NUMBER CALLED	LOCATION CALLED	CALL DURATION	COST	REMARKS			
***** DIAL 9 - LONG DISTANCE *****									
APR 01	10:31 AM	212-300-3770	NEW YORK	3:42	1.80				
APR 01	11:04 AM	303-730-3921	COLORADO	1:4	5.70				
APR 01	2:12 PM	609-247-0021	PHILADELPHIA	0:1	0.00				
APR 01	3:47 PM	201-984-8761	NEW JERSEY	0:1	3.15				
APR 04	2:11 PM	415-200-2000	CALIFORNIA	4:25	2.80				
APR 04	2:13 PM	714-290-9000	TEXAS	0:1	0.00				
APR 05	10:51 AM	201-984-8761	NEW JERSEY	36:2	12.20				
APR 05	3:07 PM	502-500-9000	MISSISSIPPI	10:3	7.42				
APR 06	11:15 PM	202-932-7200	DISTRICT OF COLUMBIA	7:2	3.82				
APR 07	10:42 AM	430-550-2111	INDIANA	1:4	1.00				
APR 07	11:04 AM	212-993-1010	NEW YORK	18:0	6.31				
APR 04	10:14 AM	604-508-0621	ONTARIO	10:5	5.25				
***** DIAL 9 LOCAL CALLS - MESSAGE UNIT CHANGE *****									
APR 01	9:42 AM	843-1129	INDIANAPOLIS, ILL.	7:5	.40				
APR 01	4:10 PM	303-271-1111	EVANSTON, ILL.	4:1	.25				
APR 04	10:15 AM	843-1129	INDIANAPOLIS, ILL.	7:5	.40				
APR 05	12:15 PM	634-9899	DOWNERS GROVE, ILL.	3:0	.40				
APR 06	4:30 PM	843-1129	EVANSTON, ILL.	32:1	1.70				
APR 08	8:55 AM	130-9811	CHICAGO, ILL.	13:7	.70				
APR 15	2:11 PM	330-9811	CHICAGO, ILL.	11:0	.60				
***** DIAL 82 - DALLAS TIE LINE *****									
APR 12	3:10 PM	444	PRE EXTENSION	40:0	1.10				
APR 19	2:14 PM	444	PRE EXTENSION	8:2	.20				
APR 19	2:23 PM	523	PRE EXTENSION	4:4	.45				
APR 22	11:45 AM	0-844-1212	OUTPOST AT DALLAS PRE	1:0	.20				
***** DIAL 83 - DALLAS TIE LINE *****									
APR 20	10:48 AM	4437	PRE EXTENSION	9:0	1.80				
APR 30	10:22 AM	4437	PRE EXTENSION	7:2	1.44				
***** ACTIVITY SUMMARY *****									
		DIAL 9 (LD)	DIAL 9 (MD)	DIAL 82	DIAL 83	TOTAL			
TOTAL NUMBER OF CALLS FOR THIS PERIOD		12	7	4	2	25			
TOTAL NUMBER OF BILLABLE CALLS		10	7	4	2	23			
TOTAL DURATION OF BILLABLE CALLS		130:4	94:2	23:8	18:2	267:5			
AVERAGE DURATION OF BILLABLE CALLS		13:04	13:46	5:95	9:10	11:64			
PERIOD COST FOR BILLABLE CALLS		44.40	42.40	22.85	12.24	122.89			
TOTAL COST OF CALLING		44.40	42.40	22.85	12.24	122.89			

INFOSWITCH/ARC

This system allows ARC system users to merge telecommunications management and data processing into one large system. When added to ARC, the INFOSWITCH systems (LDCS, SMDR, PLM, SHARE and ACD) operate independently of each other, yet they share common components.

In an INFOSWITCH/ARC system, an ARC communications applications processor performs the traditional functions of the system host processor. The ARC file processor performs all data storage and retrieval required for validating caller or agent identification, routing tables and related information. Other communications applications processors can run INFOSWITCH software packages or user written programs to further analyze the telecommunications system. An applications processor can also provide backup for the host communications applications processor should it be necessary. *continued...*



INFOSWITCH Software Packages

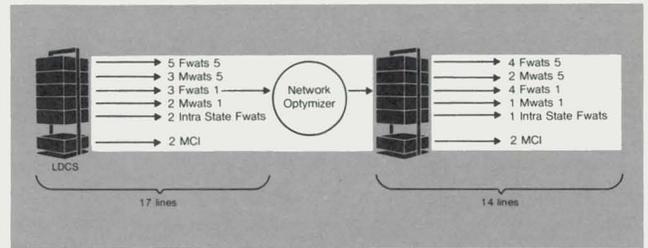
Several software packages are available for use with Datapoint's communications management systems. These packages can be used in three configurations:

- with an existing DATASHARE system
- with an ARC system
- with a stand-alone processor

The Network Optimizer

This software package provides a vehicle for optimally configuring the telecommunications lines. The Network Optimizer package can be used off-line with any of the

communications management products. It permits simulation and verification of various configurations of low cost lines, and provides the capability to reconfigure an organization's telecommunications system when necessary or desired.



Telephone Directory Package

The Telephone Directory package enables an organization to maintain complete administrative records on each employee, including telephone listings. This information can be used by an operator with a video terminal to insure the correct routing of incoming calls and quick response for directory assistance calls.

This package will supply six formats for printing the corporate directory, including:

- alphabetical company telephone directory
- departmental company telephone directory
- personnel listing with name, employee number, title, department and supervisor
- mail distribution listing
- long distance user listing
- operator backup listing

Equipment Billing Package

The Equipment Billing Package offers the ability to keep accurate records on telephone equipment and equipment costs, changes and moves. It also allows an organization to bill back the telephone equipment and related charges to the department incurring the costs.

Current Software Releases for Datapoint's Communications Management Products

Name/ Release Date	Purpose	Release Items	
		Model	Media*
SYSTEMS PACKAGES			
LDCS.E 2.4.3 15 Feb 79	Update for LDCS system (5MB system)	40245 70296 50337	1 Cassette Update Procedures User's Guide
LDCS.D 2.4.3 15 Feb 79	Update for LDCS system (20MB system)	40286 70298 50337	1 Cassette Update Procedures User's Guide
SHARE.E 3.3.5 14 Mar 80	SHARE host update (5MB system)	40299 70303 50439	1 Cassette Update Procedures User's Guide
SHARE.D 3.3.5 14 Mar 80	SHARE host update (20MB system)	40300 70302 50439	1 Cassette Update Procedures User's Guide
SHARE.E 4.1.3 12 Nov 79	SHARE system (5MB system)	20672 60874 50476	1 5MB Disk Update Procedures User's Guide

Name/Release Date	Purpose	Release Items	
		Model	Media*
SHARE.D 4.1.3 12 Nov 79	SHARE system (20MB system)	20673 60874 50476	1 20MB Disk Update Procedures User's Guide
SHARE.D 4.1.4 23 Jun 80	SHARE host update (20MB system)	20675 60874	2 Cassettes Update Procedures
SHARE.E 4.1.4 23 Jun 80	SHARE host update (5MB system)	20675 60874	2 Cassettes Update Procedures
PLM.D 4.1.1 23 Jun 80	PLM system	20674 50476 60874	1 20MB Disk User's Guide Update Procedures
PLM.D 4.1.4 23 Jun 80	PLM system	20675 60874	2 Cassette Update Procedures
ACD.E 2.1.6 29 Feb 80	ACD host update (5MB system)	20585 60777 50363	2 Cassettes Update Procedures User's Guide
ACD.D 2.1.6 29 Feb 80	ACD host update (20MB system)	40387 50419 50363	2 Cassettes Update Procedures User's Guide
ACD.E 2.2.5 29 Feb 80	ACD micro update (5MB system)	20584 60777 50363	1 Cassette Update Procedures User's Guide
ACD.D 2.2.5 29 Feb 80	ACD micro update (20MB system)	20695 50419 50363	1 Cassette Update Procedures User's Guide
SOFTWARE PACKAGES			
Network Optimizer 1.1.1 27 Dec 79	Software package	20550 60833	2 Cassettes Product Manual
TDP.E 1.1.2 2 Apr 80	Telephone Directory Package for 5MB system	20614 50438 60809	1 5MB Disk User's Guide Update Procedures
TDP.D 1.1.2 2 Apr 80	Telephone Directory Package for 20MB system	20615 50438 60809	1 20MB Disk User's Guide Update Procedures
EBP.E 1.1.2 2 Apr 80	Equipment Billing Package for 5MB system	20690 50488 60895	1 5MB Disk User's Guide Update Procedures
EBP.D 1.1.2 2 Apr 80	Equipment Billing Package for 20MB system	20691 50488 60895	20MB Disk User's Guide Update Procedures

* Media costs: 1 Cassette -- \$15.00 1 5MB Disk -- \$125.00 1 20MB Disk -- \$180.00

More Emulation for 1500 Processors – ML15TTY

Another software product has been added to the family of emulators for use with Datapoint's 1500 processor. ML15TTY is a MULTILINK line handler which provides teletype emulation at speeds up to 1200 bps. It operates with most USASCII asynchronous peripheral devices which use RS-232 connections including badge readers, card readers and printers. ML15TTY runs under MULTILINK on a 1500 processor with at least 32K bytes of user memory and requires DBML15 Version 1.2. ML15TTY is not compatible with the concurrent jobs feature of the 1500. ML15TTY Model Codes

ML15TTY - Model Code 20744, 1 Diskette, \$15.00

- User's Guide, Document No. 50513, \$4.00

Software Catalog Available

The latest version of Datapoint's Software Catalog (Document No. 60000, no charge) is currently available from Software Services. This catalog lists and describes the software available from Datapoint, and is divided into several areas:

- Operating systems
- ARC systems
- Programming languages
- Communications software
- Utilities packages
- Diagnostics



Customer Education Course Schedule

These are the Datapoint Customer Education courses being offered during the months of August and September. If you have any questions about enrollments, contact the San Antonio Education Center at (512) 699-7039.

<i>Course</i>	<i>Date</i>	<i>Location</i>	<i>Course</i>	<i>Date</i>	<i>Location</i>	
Introduction to Datapoint Programming	Aug. 4	San Antonio San Mateo Farmington Hills	DATASHARE	Sept. 29	Chicago Seattle San Antonio	
	Aug. 11	Chicago Seattle			Advanced DATASHARE	Aug. 11
	Aug. 18	New York Arlington Atlanta	Aug. 18	Chicago		
	Sept. 8	San Mateo	Sept. 8	Atlanta		
	Sept. 15	San Antonio Chicago	Sept. 15	New York Arlington		
	Sept. 22	New York	Sept. 22	San Antonio	Sept. 29	Farmington Hills
Basic Disk Concepts	Aug. 4	Chicago	ARC	Aug. 4	San Antonio New York	
	Aug. 18	San Antonio		Aug. 18	San Antonio	
	Aug. 25	New York		Sept. 8	San Antonio New York	
	Sept. 15	San Antonio		Sept. 15	Chicago	
	Sept. 29	San Antonio New York		Sept. 22	San Antonio	
Advanced Disk Concepts	Aug. 4	San Antonio New York		Sept. 29	New York Arlington	
	Aug. 11	Arlington		LDCS Version 4	Aug. 4	San Antonio
	Sept. 8	San Antonio			Aug. 18	San Mateo
	Sept. 15	New York			Sept. 15	New York
	Sept. 22	San Antonio	Basic LDCS	Sept. 8	San Antonio	
	Sept. 29	Chicago San Mateo		Advanced LDCS	Aug. 11	San Antonio
DATASHARE	Aug. 4	San Antonio Arlington New York Atlanta	Sept. 15		Arlington	
	Aug. 11	San Antonio Chicago San Mateo	Sept. 29		San Mateo	
	Aug. 18	New York Denver	ACD	Aug. 18	San Antonio	
	Aug. 25	New York Chicago San Mateo Los Angeles		Sept. 22	San Antonio	
	Sept. 8	San Antonio New York Arlington Chicago Farmington Hills Hawaii	Word Processing	Aug. 4	Arlington	
	Sept. 15	San Mateo		Aug. 11	San Antonio New York	
		San Antonio New York Arlington Atlanta		Aug. 18	Chicago San Mateo	
	Sept. 22	New York		Sept. 8	New York Arlington	
	SNAP 3 Assembler	Aug. 18	San Antonio New York	Sept. 15	San Antonio	
		Sept. 29	San Mateo	Sept. 22	Chicago San Mateo	

Software Program Releases

<i>Name/Release Date</i>	<i>Description</i>	<i>Purpose</i>	<i>Release Model</i>	<i>Items Media</i>
MLDSDS 1.2 Released 28 March 80	MLDSDS is a MULTILINK communications interface which enables Datapoint processors within a leased line DATASHARE network to communicate with each other. (See article on page 6)	New software package	50380 20524 40430	User's Guide \$2.50 1 Cassette 1 DDD
MD378015 1.2 Released 8 Apr 80	MD378015 operates on the 1500 processor and emulates the on-line characteristics of the IBM 3780 Data Communications Terminal.	Corrects problems cancels MD378015 1.1	50478 ** 20671	User's Guide \$4.00 1 Diskette
SNAP3 3.1 Released 1 Apr 80	The SNAP3 macro assembler can assemble programs for any Datapoint processor with the 5500 instruction set. SNAP3 contains all the features of SNAP2, but is an improved and faster version.	Adds new features cancels SNAP3 2.1	50296 20426 20427 40328	User's Guide \$4.50 1 Cassette 1 Diskette 1 DDD
BASICPLS 2.1 Released 9 Apr 80	BASICPLS is Datapoint's extended version of the BASIC programming language. It is available for the 1500 and 5500-type processors. The 1500 version requires 64K bytes of memory, while the 5500 instruction-set version runs on a processor with at least 36K bytes of memory.	Adds new features cancels BASICPLS 1.1	50335 9804 ***	User's Guide \$5.50 1 Cassette 1 Diskette (DOS.C or DOS.H) 1 DDD
DS5 3.2 Released 9 Apr 80	DATASHARE V is Datapoint's multi-user, multi-application business processing system. It operates under DOS, ARC or UPS, and is capable of local or servo printer support. With proper configuration, 24-port multiprocessing is supported, along with random, sequential or ISAM file I/O and central/slave operations.	Corrects problems cancels DS5 3.1 DS5 3.1.1	50450 ** 9812 ***	User's Guide \$4.00 3 Cassettes 2 Diskettes 1 DDD
	***Specify media onto which software is to be loaded: 20698 Cassette and set-up charge \$15 20651 Double density diskette and set-up charge \$15 20650 DOS.C diskette and set-up \$15 20697 DOS.H diskette and set-up \$15			

<i>Name/Release Date</i>	<i>Description</i>	<i>Purpose</i>	<i>Release Model</i>	<i>Items Media</i>
DOS.H 2.5.1 Released 3 May 80	This is the Disk Operating System for the 1800, 3800, 5500, 6000, and 6600 processors.	Adds new features cancels DOS.H 2.4.3	50308 40279	User's Guide \$9.00 1 Diskette
DOS.D 2.6 Released 29 Feb 80	DOS.D is the Disk Operating System for the 1800, 3800, 5500, 6000 and 6600 processors. This version includes features and corrections from DOS.D 2.5.	Adds new features cancels DOS.D 2.5	50432 50500 20581 40427	User's Guide \$15.00 U.G. Addendum \$2.50 5 Cassettes 1 DDD
DB15 2.3 Released 7 Apr 80	DB15 is a stand-alone interpreter for the DATABUS language on the 1500 processor.	Corrects problems cancels DB15 2.2	50309 ** 40278	User's Guide \$1.50 1 Diskette
ML15TTY 1.1 Released 12 May 80	ML15TTY 1.1 Teletypewriter line handler for DBML15. (Requires DBML15 1.2)	New software package	50513 20744	User's Guide \$4.00 1 Diskette
DBML15 1.2 Released 12 May 80	This is a MULTILINK interpreter for DATABUS which allows communications with a variety of other computer systems via telecommunications facilities using the 1500 processor. (DBML15 1.2 is not compatible with ML15TC35 1.1. DBML151.2 and ML15TC35 1.2 will cancel both DBML15 1.1. and ML15TC35 1.1)	Corrects problems no software cancelled	50460 ** 20633	User's Guide \$1.50 1 Diskette
CHIOUR 2.1 Released 5 May 80	This is a utility program for the Channel Adaptor which provides for emulation of up to 16 unit record devices when attached through the Channel Adapter to the byte multiplexor channel on an IBM 360/370 (or equivalent) system.	Corrects problems cancels CHIOUR 1.1	50367 20503	User's Guide \$2.25 1 Cassette
DECMPLUS 2.2 Released 21 Mar 80	DECMPLUS is a very fast DATABUS compiler. It will run on any Datapoint processor with the 5500 instruction set and at least 24K bytes of user memory.	Adds new features cancels DECMPLUS 2.1	50321 ** 20458 20459 40331	User's Guide \$15.00 1 Cassette 1 Diskette 1 DDD
JOB15 3.1 Released 11 Apr 80	This is the concurrent job loader for the 1500 processor.	Corrects problems cancels JOB15 2.1	50307 40277	User's Guide \$.50 1 Diskette
PRINT15 3.1 Released 11 Apr 80	PRINT15 is the concurrent print spooler for the 1500 processor which lists a file to the printer.	Corrects problems cancels PRINT15 2.1	50306 40276	User's Guide \$1.00 1 Diskette

System Releases

<i>Name/ Release Date</i>	<i>Description</i>	<i>Purpose</i>	<i>Release Items</i>	
			<i>Model</i>	<i>Media</i>
S4620 4.1 Released 30 Aug 79	<p>6600 DATASHARE system (5MB) consists of one 2.5 MB cartridge disk containing the following Datapoint released programs:</p> <p>DOS. E. 2.4 Cartridge Disk Operating System</p> <p>DOS.E. 2.4.1 Maintenance Release</p> <p>DOS.E. 2.4.2 Maintenance Release</p> <p>DOS.E 2.4.3 Maintenance Release</p> <p>DOSEPT/REL2.4 DOS Entry Points in Relocatable Form</p> <p>DS5 3.2 6600 DATASHARE V Interpreter</p> <p>DBCPLUS 2.2 DOS DATABUS Compiler</p> <p>DSTEXT 3.1 DATASHARE Text File Handling System</p> <p>DSGEN 1.2 DATASHARE Program Generation System</p> <p>LIBSYS 2.2 System Library Maintenance Utility</p> <p>CHAINPLS 2.1 File Compiler and Executor</p> <p>DS5SLAVE 2.1 DATASHARE V Remote Station Interpreter</p> <p>LINK 2.2 Linking Editor for Relocatable Modules</p> <p>FIXREL 1.3 Relocatable FIX Utility S4620/RFM System Release Form Print File</p>	Adds new features cancels S4620 3.1	24020	1 2.5 MB Disk
S4630 4.1 Released 17 May 80	<p>6600 DATASHARE System (20MB) consists of one 10 MB cartridge disk containing the following Datapoint released programs:</p> <p>DOS.D 2.5 Mass Storage Disk Operating System</p> <p>DS5 3.2 DATASHARE V In- terpreter</p> <p>DBCPLUS 2.2 DOS DATABUS Compiler</p> <p>DSTEXT 3.1 DATASHARE Text File Handling System</p> <p>DSGEN 1.2 DATASHARE Program Generation System</p> <p>LIBSYS 2.2 System Library Maintenance Utility</p>	Corrects problems cancels S4630 3.1	24021	1 10 MB Disk

<i>Name/ Release Date</i>	<i>Description</i>	<i>Purpose</i>	<i>Release Items Model</i>	<i>Media</i>
	CHAINPLS 2.1 File Compiler and Executor DS5SLAVE 2.1 DATASHARE V Remote Station Interpreter LINK 2.2 Linking Editor for Relocatable Modules FIXREL 1.3 Relocatable FIX Utility S4630/RFM System Release Form Print File			
S4640 4.1 Released 17 May 80	6600 DATASHARE System (50MB) consists of a 25MB mass storage disk containing the same programs as above except: S4640/RFM System Release Form Print File	Corrects problems cancels S4640 3.1	24022	1 25 MB Disk
S4650 3.1 Released 17 May 80	The 6600 DATASHARE system (120MB) consists of one 60 MB mass storage disk containing the following released programs DOS.D 2.6 Mass Storage Disk Operating System DS5 3.2 DATASHARE V Interpreter DBCMPLUS 2.2 DATASHARE V In- terpreter DSTEXT 3.1 DATASHARE Text File Handling System DSGEN 1.2 DATASHARE Program Generation System LIBSYS 1.3 System Library Main- tenance Utility LINK 2.2 Relocatable Link Editor CHAINPLS 2.1 File Compiler and Executor DS5SLAVE 2.1 DATASHARE V Remote Station Interpreter FIXREL 1.3 Relocatable FIX Utility S4650/RFM System Release Print File	Adds new features cancels S4650 2.1	24037	1 60 MB Disk
S4520 4.1 Released 17 May 80	5500 DATASHARE system (5MB) consists of one LGO cassette containing the Universal DOS BOOT, UBOOT, and one 2.5MB cartridge disk containing the same programs as S4620 4.1, above, except: S4520/RFM System Release Form Print File	Adds new features cancels S4520 3.1	24011 20373	1 2.5 MB Disk 1 Cassette

Diagnostic Program Releases

<i>Name/ Release Date</i>	<i>Description</i>	<i>Purpose</i>	<i>Release Items Model</i>	<i>Media*</i>
TST1800 1.3 Released 11 Jan 80	This program will test the 1800/3800 system.	Corrects problems cancels TST1800 1.2	50384 ** 20529 40350	User's Guide \$.50 1 Cassette 1 DDD
TEST1800 1.3 Released 9 Jan 80	TEST1800 is a faster version of TST1800.	Corrects problems cancels TEST1800 1.2	50391 ** 20537 40357	User's Guide \$1.00 1 Cassette 1 DDD
TP1122 2.1 Released 8 Jan 80	TP1122 tests the 2200 instruction set.	Corrects problems cancels TP1122 1.1	50459 20628 20629	User's Guide \$2.00 1 Cassette 1 Diskette
CPTST 1.2 Released 9 Apr 80	This program is designed to test fully formed character printers.	Corrects problems cancels CPTST 1.1	50441 20595 20596 40401	User's Guide \$2.00 1 Cassette 1 Diskette 1 DDD
CP1500 1.2 Released 9 Apr 80	CP1500 is the fully formed character printer diagnostic which runs on the 1500 processor.	Corrects problems cancels CT1500 1.1	50410 20570	User's Guide \$.75 1 Diskette

**Media Charges -- 1 Cassette - \$15.00 1 Diskette -- \$15.00 1 Double Density Diskette - \$15.00 **Previously released*

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5 BASF BFDP2316 and 3 Scotch 911 disk packs 200 tracks per inch, Index only, error free and initialized. For use with Datapoint Mass Storage Systems (Memorex and Telex drives). Asking \$80 each. Ask for Byron 913-782-6244 or 800-255-6365.

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UTILITY executes under UPS, PSDS or on an ARC A/P providing an alternative to rolling out DATASHARE to execute a CHAIN file or DOS utility. For stand alone or entire ARC systems. \$1000. TDS, Inc. 213/ 860-8810 17100 Norwalk #112, Cerritos, CA.

DATAPOINT Users

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DATAPPOINT

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