Wang Systems

November 1979

Newsletter 15

TWO COORDINATORS ADDED TO SYSTEM SUPPORT

It is with pleasure that we announce the appointment of two new members to the Systems Support Group.

Peter Donlan, who comes to us from Hydratec, Inc., a New Hampshire-based systems house, will be responsible for maintaining and promoting the Consultant Software Directory. Pete's function will include locating, reviewing, qualifying, documenting, and publishing information regarding vendor-developed, industry-specific applications.

Frank Kushmerek comes to our group with six years of impressive performance with Wang Laboratories. His experience in such areas as our Technical Information Center, Customer Relations, and Order Administration provides him with a strong background from which to support our vendors and analysts. Initially, Frank will be concentrating on the administration of our Systems Responsibility orders and maintaining total communication with some of our high-volume vendors.

Each of these positions is designed to help us provide more complete service to the field (analysts, vendors and salespeople).

INTERNATIONAL CONFERENCE OF WANG USERS

Only a short time remains before the International Conference of Wang Users begins. Scheduled for December 3, 4, 5 and 6 at the Sheraton-Boston Hotel, estimates point towards a record high attendance of 1000 people.

Because of last year's success, this year's Conference will be a joint meeting of both the Computer and Word Processing Societies (WSUS AND WOSUS). Throughout the four days there will be sessions geared towards both the novice and veteran user.

Sessions on "Productivity — Helping Yourself to Succeed," "Word Processing Center — A Common Sense Approach," "Office of the Future and Mailway," "A Data Analysis Laboratory for College Social Science Majors," and "2200 Upgrade Path" are just a few of the industry topics that will be discussed. There will also be many opportunities for you to meet with the Wang staff and other users, as well as attend the customer presentations, product demonstrations, question-and-answer periods, and new product announcements.

As a special highlight, Vance Packard, author of *The Hidden Persuaders*, will be the guest speaker at Tuesday evening's banquet. Hailed as one of the most perceptive social critics of our times, his address will delve into the revolutions that are shaping our lives.

To register or to receive more information about the Conference, contact Doug Belnap, Conference Coordinator, at (617) 459-5000.

TECHNICAL NOTES 2280 ENHANCEMENTS

Wang Laboratories, Inc., in announcing the 2280 Disk Drive, has again demonstrated its continuing effort to meet customer needs for expanded storage capabilities. The 2280 family of drives is specifically designed for the customer who has large data storage/inventory requirements.

To further enhance the 2280, Wang has announced the capability of supporting a second 2280 Fixed/Removable Disk Drive on the Disk Processing Unit (DPU). The second 2280 is a slightly modified version and has been designated as the Model 2280N. The 2280N must be used in conjunction with an existing 2280 on a VP or MVP system. This second disk drive provides additional storage without sacrificing any of the benefits of the 2280 — high performance, reliability, and both fixed and removable platters for fast and reliable backup. The 2280N is available in three models (Model 2280N-

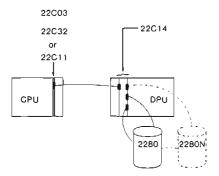
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1, 2280N-2, 2280N-3); the 2280N-1 and 2280N-2 each can be upgraded to a larger model.

The capability to support two 2280-type disk drives on a single DPU now allows the installation of up to three pairs of 2280/2280N Disk Drives on a VP or MVP system. This increases the system's disk capacity to more than 483 million bytes of on-line storage. The price/performance ratio has also been considerably improved, and a storage capacity second to none is now offered.

The Model 2280N will be shipped without a DPU (the interconnecting box between the CPU and the original 2280 Disk Drive). The DPU is capable of supporting two disk drives and contains the disk microprocessor controlling all physical disk operations. The DPU controls the transmission of data between the 2200 and the disks, thereby permitting it to handle multisector buffering, as well as controlling READ/WRITE, FOR-MAT, COPY, and VERIFY operations. The DPU also performs extensive error checking and correction. By offloading responsibility for the above tasks to the DPU rather than the 2200 CPU, overall system processing performance and disk performance has been improved. As an example, the MOVE/COPY function without the DPU requires approximately five minutes. With the DPU, this time has been reduced to approximately two minutes. Likewise, the VERIFY function can now be completed in approximately 25 seconds for 13.4 MB.

The following diagram shows the system architecture when adding the 2280N Disk Drive.



SOFTWARE:

The biggest impact the 2280 will have on existing software is the greatly expanded choice of possible platter addresses. The logical platter address used in the disk commands must be of the format /DXY. The X digit is determined by setting the CPU disk controller at 10, 20,

or 30. An address of 50, 60, and 70 will also be automatically set for the 2280N address. The Y digit is the platter number; i.e., 0 or 1 for the 2280N-1 model, 0-3 for the 2280N-2 model, and 0-5 for the 2280N-3 model. Therefore, an address of /D23 would indicate a controller setting of 20 and the third fixed platter on a Model 2280-2, while /D54 would indicate the 2280N disk on the system and the fourth fixed platter.

Wang has also provided a means to assist the changeover from a customer's previous disk to the 2280. For example, if the controller is set to address 10, the previously used addresses (i.e., /310, /B10) can be used. During the transition, all addresses /310 and /B10 or, for the second drive, /350 or /B50 are acceptable for the removable and first fixed platter of the 2280. Hence, customers can be up and running until programs are converted or expanded due to installation of the 2280 drive(s).

In addition, the new operating system software release for the VP/MVP has a new parameter for the SELECT statement. (Release 2 for VP and Release 1.7 for MVP.) This addition will assist in the implementation of software and the programming of addressing for the platters through the use of an alphanumeric string. An example would be:

This sequence of statements allows the device address to be specified as the value of an alpha variable, thus facilitating the writing of programs that can address any disk platter.

HIGHLIGHTS:

Economical

- Single drive upgrades.
- DPU controls multiple units.
- Direct attachment to any VP or MVP.
- Easy program conversion of Wang disk programs.

High Reliability

- Removable media for data backup.
- Automatic error checking and correction.

High Performance

- 30 millisecond average access time.
- Approximate two-minute MOVE/COPY (13.4 MB).

Compact design

Delivery - eight weeks

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2281P CONVERSION

As of September 1979, Wang Laboratories began shipping the newly announced Model 2281W Wang Printer in lieu of the 2281P Diablo Printer for all outstanding 2281P customer orders.

Wang is now implementing a plan to modify field-installed 2281P Printers. The printer modification consists of a prom change and hammerhead gap adjustment. This conversion was the result of Wang Laboratories' decision to no longer stock or supply Diablo Print Wheels.

This program is available to all 2281P users wishing to take advantage of the Wang-styled print wheels. Print wheels of higher quality, additional characters per wheel, better service response, and an ever-growing library of print styles are now available.

NOTE:

Once the printer has been modified for Wang Print Wheels, the user will no longer be able to use Diablo Print Wheels.

Upon receipt of future print wheel requests, the local sales office will be responsible for informing the customer of Wang's newly announced position on print wheels. The following options are available to 2281P users:

- For those wishing to remain with Wang, you can offer a No Charge conversion of their printer for all their needs. The actual conversion will be handled by local service. Coordination between local sales and service is a must to ensure proper scheduling of the conversion.
- 2. The second available option is for those wishing to remain with Diablo Print Wheels. These people must be informed that they can still expect prompt service, but they must buy their Diablo Print Wheels directly from Diablo or through a local distributor of Diablo-styled print wheels.

NEW PRODUCTS

I.D.E.A.S.

Vang Laboratories is proud to announce the newest addition to the 2200 product line software packages, I.D.E.A.S. I.D.E.A.S. is an acronym for Inquiry Data Entry

Access System. The I.D.E.A.S. package is meant to be used by vendors and end users in the creation of data files and programs to access these data files. I.D.E.A.S. can be used in conjunction with any computer in the 2200 product line from and including the T up to the MVP. I.D.E.A.S. does support global memory and multiplexed systems. I.D.E.A.S. files will support up to sixteen indices, and all indices will support duplicate keys. Also, files can be accessed both sequentially and randomly with excellent results.

Another feature of the I.D.E.A.S. package is that a key can be made of up to three fields, and these fields do not have to be adjacent to each other. Of course, these keys can be in ascending or descending order.

One of the I.D.E.A.S. main features is that it automatically generates BASIC programs which interact with its data base. The programs generated add, delete, or modify the data record. With minimum programmer revision, these programs will allow for access of more than one file simultaneously.

Also incorporated within I.D.E.A.S. is a report generator. Reports can be made to include information from up to four files. Reports can also be designed to limit records on specific field values. Up to thirty-two math functions are allowed within one report.

To ensure the rapid development of software, I.D.E.A.S. also includes a menu and start module generator. I.D.E.A.S. menus can call either I.D.E.A.S. or application programs. I.D.E.A.S. startup modules allow up to sixty-four files to be open at one time with the VP or MVP or thirty-two files with the T.

In future releases of I.D.E.A.S., telecommunication conversion programs will be incorporated, as well as utilities, to automatically convert the I.D.E.A.S. file to a sequential file. If you have further questions on I.D.E.A.S., please contact Wang Laboratories' Technical Support Center.

1.S.S. 5.0

I.S.S. 5.0, Wang Laboratories' newest release of the Integrated Support System, has recently been announced. This release incorporates revisions in KFAM-7, which allows for a greater than 64K MVP, and for using the 2280-Phoenix Disk Drive.

KFAM-7 programs and utilities have added features from earlier versions of I.S.S. Now, all KFAM-7 utilities have default values to allow for quicker processing. The key file also allows for screen dumping.

The general I.S.S. utilities have also been revised to incorporate default values; and two utilities, Program Compare and Status Report, now allow for CRT output, thus eliminating the need for a printer when running these functions. A new utility has been added — a program for accessing and modifying the diskette index.

With the advent of I.S.S. 5.0, Wang Laboratories now has the complete line of support systems for all versions of the 2200 product line. These versions include I.S.S. 2.1, a non-multiplexed system; I.S.S. 3.2 for multiplexed T and VP processors; I.S.S. 4.1 for less than 64K MVP's; and I.S.S. 5.0 for greater than 64K MVP's and for use with the 2280 Disk Drive. All I.S.S.'s are supported by Wang Laboratories from either the local office or the Technical Support Center.

MAINTENANCE REPORT

This issue of the Maintenance Report reflects the upgrade of Integrated Support System (I.S.S.) from Release 4.1 to 5.0. Please notice the notation on the bottom of page three of the Maintenance Report regarding KFAM-5. It is now combined with KFAM-7 in Release 5.0.

It should be noted that KFAM-5 will be supported by Wang in I.S.S. releases up to 3.2. Also note that Releases 4.0 and 4.1 are now obsolete since the release of 5.0.

The diskettes used in I.S.S. 5.0 are the same as Release 4.1 but have been upgraded by the last letter.

GBS/MVP MOD IV PAYROLL, Erratas #1075 to #1082 have been logged in this report because of the errors that were detected after the package was released to only two of our customers. Those customers have since received the corrected diskettes. The diskette numbers have not been changed because the package had not been distributed in any great number.

Now that we are up to date with all the outstanding erratas, it appears that the next Maintenance Report will be distributed in late November of '79. In that issue, we hope to be able to have some more information for you.

RECENT PUBLICATIONS

The following items have been released from Lowell between July 1, 1979 and September 30, 1979.

ADDENDUMS

VS Operating System Services Addendum (800-11070S-01.01)

2280 Product Bulletin #174A

Technical Publications Literature Catalog Addendum (700-5294.01) 9/25

MANUALS

VS Data Communications User's Guide (800-1302DC-02) 7/21/79

GBS/VS Introductory Manual (800-1406IM-01) 8/16/79

ISS Release 5 Reference Card (700-5560) 7/25/79

Time and Record Keeping System User Manual (Disk) (700-5519)

Technical Publications Literature Catalog (700-5294)

Time and Record Keeping System Manual (Disk) (700-5557)

VS System 3/System 32 RPG-II Conversion Guide (800-1206RC-01)

VS Release 4 Sysgen Procedure (800-82015P-01) 8/7/79

Retail Business System Demo Guide (700-5587) 8/15/79

VS Operating System Services Pocket Guide (800-62040P-01)

2236DE User Manual (700-5711)

Word Processor 5581WD Twin-Head Daisy Printer User Manual (700-5588)

GBS/MVP Mod III User Manual (700-5701)

VS Procedure Language Reference Manual (800-1205PR-01)

VS Assembler Language Pocket Guide (800-6203AP-01) 9/28

MISCELLANEOUS

OIS/125 Configuration Poster (700-553A) Word Processor 25 Configuration Poster (700-5220A)

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PRODUCT BULLETINS

VS Software Bulletin #2 (800-3100-02)
2236DE Interactive Terminal Product Bulletin #186

REPRINTS

2200 Plotter Utilities Manual (700-3838D)

OIS/140 Configuration Guide (700-4841B)

Word Processor 5 Configuration Guide (700-4720C)

Word Processor Typesetter 44 & 48 Data Sheet (700-5117A)

PCS IIA Data Sheet (700-5014A)

VS COBOL Pocket Guide (800-6200CP-02)

Word Processor Guide for Office Systems Supervisors (700-5043A)

GBS Sample Reports Manual (700-4196B)

Introducing GBS (700-4186D)

Word Processor Typesetter 44 & 48 Command Structures Card (700-5133A)

Word Processor AWS-1 Archiving Workstation Data Sheet (700-5054A)

GBS For Wholesale Distribution Operator's Manual (700-4609A)

2210 Introductory Manual (700-4330A)

2263 Line Printer Data Sheet (700-4149B)

VS 2246C Serial Workstation D.S. (800-2104-02) 7/20

W.P. Telecommunications User Manual (for System 20,25,30)(700-4686C) 7/24

W.P. 5 Model III Data Sheet (700-4837C) 7/20/79

2260 BC Fixed/Removable Disk Drive D.S. (700-4819A) 7/18

Manufacturing Management Installation Forms (700-5110A) 8/1/79

OIS/130 Data Sheet (700-5061B) 7/31/79

W.P. 5 Model I Data Sheet (700-4734C) 8/7/79

OIS/130 Configuration Guide (700-5053B) 8/7/79

W.P. Typesetter 44 & 48 Photocomp Character Set User Manual (700-5093A) 8/13/79

W.P. 5541WC Wide Carriage Printer User Manual (700-4789B) 8/17

Manufacturing Management System Installation Guide (700-5099A) 8/20

W.P. Mathematics Support Package User Manual (700-46710) 8/21

VS Physical Planning Guide (800-1106PG-02)

Word Processor 5521 200-CPS Line Printer Data Sheet (700-4103E)

Word Processor Photocomp. System Operator's Ref. Manual (Interim) (700-5113B)

GBS/MVP Mod III System Manual (700-5246A)

Text Editing Utilities Manual (700-4043D)

VS Programmer's Introduction (800-1101PI-04) 9/18

OIS/6581 WC Wide Carriage Printer User Manual (700-5138A) 9/27

VS System Management Guide (800-11045M-03) 9/28



TRADE SHOW EXHIBIT SCHEDULE November 1979 — June 1980



1979

November

2-3	Gateway Chapter, ALA	St. Louis, MO
4-7	'79 BAI Conference	
	& Convention	Los Angeles, CA
6-8	Federal Computer	
	Conference (National)	Washington, DC
8	Computers for Small	
	Business/District	
	Data Processing	Charleston, SC
10-12	Western Building	
	Material Association	Portland, OR
11-14	International Hotel/Motel and	
	Restaurant Show (National)	New York, NY
13-15	Baltimore Industrial Show	Baltimore, MD
13-15	Mountain States	
	Business Show	Denver, CO
19-20	Word Processing	
	Equipment Exposition	Washington, DC
20-22	Capitol Printing Show	
	& Conference	Washington, DC
28-30	Business and Personal	
	Computer Sales Exposition	Philadelphia, PA

December

3-5	Comdex '79	(National)	Las	Vegas, N	١V
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1980

January

9-11	AFCEA Western Conference	
9-11	& Exposition (National)	Anaheim, CA
18-21	National Home Builders	
	Association (National)	Las Vegas, NV

March			May		
3- 5	NCC Office Automation Conference (National)	Atlanta, GA	14-15	Industry & Business Exposition '80	St. Louis, MO
17-20	Interface '80 (National)	Miami Beach, FL	19-22	National Computer	on 2000, mo
19-20	Federal Office Systems	Week's stee DO		Conference (National)	Anaheim, CA
April	Exposition	Washington, DC	June		
1-3	Word Processing		3-6	Southern California	
	Expo-sium '80	Lake Geneva, WI		Business Show	Los Angeles, CA
12-19	Print '80 (National)	Chicago, IL			
23-25	National Conference on Law Office Economics				
	& Management (National)	San Francisco, CA			
28-30	Federal DP Exposition	Washington, DC			
30-May 3	3 Assoc. of Legal Administrators Conference (National)	s Miamì, FL			

SOFTWARE PACKAGE LISTING DATE:_____

VENDOR:	
CONTACT:	TELEPHONE:
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INDUSTRY:	
APPLICATION:	
DESCRIPTION:	
MINIMUM H/W CONFIGURATION:	
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Attention: Peter Donlan - System Support Coordinator

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To help us to provide you with the most useful information possible, please make your comments and suggestions concerning this publication of the form below. Then detach, fold, tape closed and mail to us. All comments and suggestions become the property of Wang Laboratories, Inc. For a reply, be sure to include your name and address. Your cooperation is appreciated.

TITLE: Wang Systems Newsletter

Comments, Criticisms, Suggestions, Etc.

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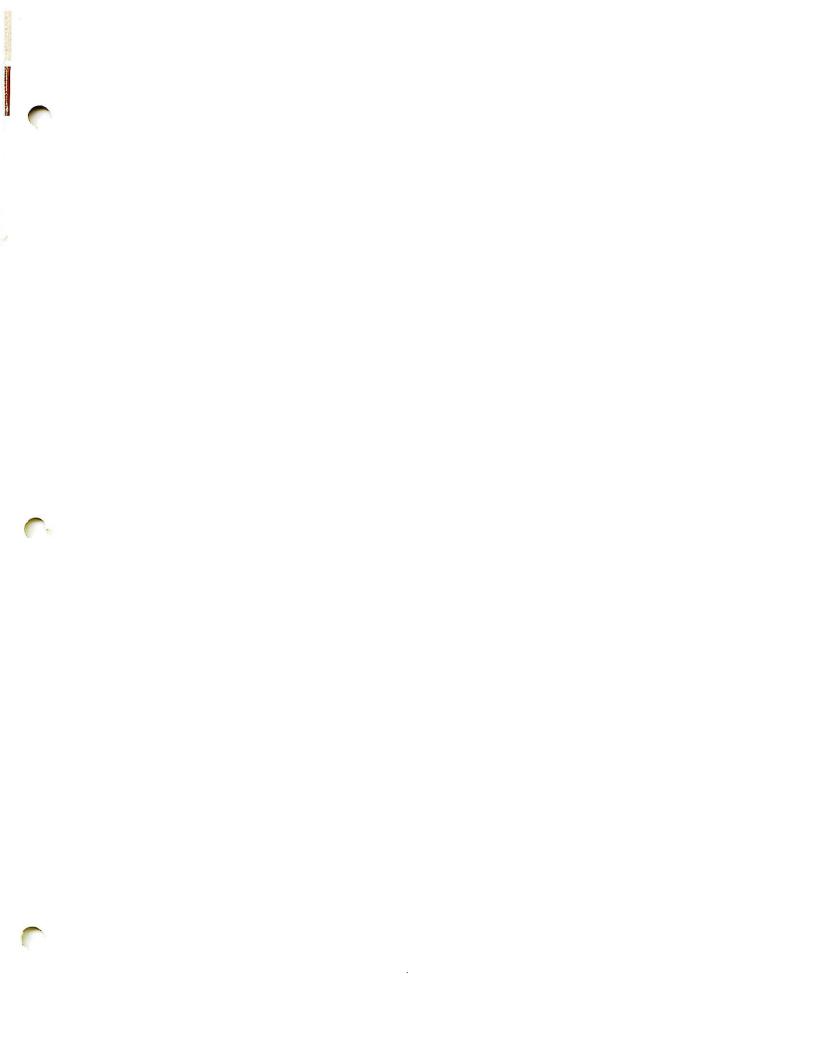
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Attention: System Support Coordinators — Marianne Roy

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