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▶ appointment information and patient charge slips, and a practice analysis system that provides statistical reports for each doctor on a calendar year basis.

SYSTEM/32 MANAGEMENT SYSTEM FOR LAW FIRMS: This IAP (5725-F52) is designed to aid law firms in effectively controlling their time and disbursement accounting, billing, and accounts receivable. The Billing Information Memo and other reports such as Unbilled Time and Disbursements, Matter Billing Summary, and Aged Accounts can be printed weekly, monthly, or on demand to provide the necessary information to make the necessary billing decisions.

This IAP runs on a minimum System/32 and became available in January 1977.

DISTRIBUTORS MANAGEMENT ACCOUNTING SYSTEM (DMAS): This IAP consists of separately priced modules including Billing (5725-D41), Accounts Receivable (5725-D43), Inventory Control (5725-D45), and Sales Analysis (5725-D47). DMAS is generalized and designed for numerous types of businesses in the distribution industry. Payroll, Accounts Payable, and General Ledger modules may be added from DFAS (5725-D6X). DMAS will run on either a 16K- or 24K-byte System/32. Performance improvements in the larger-memory versions of each system come from the reduction of overlays, incorporation of larger blocking factors, and use of dual I/O areas.

Functions performed by the Billing system include order entry and editing, production of slot-sequenced picking documents for warehouse operations or case labels, customer invoices, an audit trail of daily billing activities, and a daily summary of each salesperson's activity. Other information provided by the Billing program includes the provision of multiple pricing options, special allowance notations, suggested retail prices, and automatic substitutions and special offers. The Billing program accumulates accounts receivable information that is later available to the Sales Analysis, Inventory Control, and Accounts Receivable programs for further analysis and evaluation.

The Inventory Control programs maintain perpetual inventory and "on-order" status for each item in inventory. A weekly buyer's report provides data on sales by item and inventory demand and movement. Reports on inventory activities, including inventory turns, profitability, and stockouts, can be prepared on a weekly or monthly basis or on demand.

The Sales Analysis programs produce reports on the sales activities and performance of individual items, sales personnel, and customer activities. Either detailed or summary reports can be selected.

The Accounts Receivable program uses data accumulated by the Billing program to produce weekly and monthly statements and aging reports. The programs handle both open-item and balance-forward customer accounts and print a copy of the aged trial balance on demand. Delinquent notices are automatically prepared for monthly delinquent accounts.

The Billing, Inventory Control, Accounts Receivable, and Sales Analysis programs are tailored to individual customer requirements through the use of a questionnaire that permits the user to select optional functions and reports and to tailor file volumes and data field sizes. The Distributors Management Accounting System requires the System/32 System Control Program (Version 5 or above) and the Utilities Program Product for execution. DMAS is written in RPG II.

SYSTEM/32 LUMBER DEALERS MANAGEMENT ACCOUNTING SYSTEM (LDMAS): This IAP is com-

posed of a Billing module (5725-D4F), an Accounts Receivable module (5725-D4B), an Inventory Control module (5725-D4D), and a Sales Analysis module (5725-D49). The user may elect to purchase any or all modules. The Billing application prepares estimates and can handle selection of six different prices per item, dependent on customer code; these prices are in addition to the list price. The application also handles price conversion, with computations for square-foot, lineal-foot, and board-foot items in addition to multiple sales tax calculations. The Inventory Control Application provides both last and average cost figures for inventory valuation as well as inventory distribution by value. The Accounts Receivable application permits the user to change a customer from open item to balance forward or the reverse at the end of the month or accounting period. The Sales Analysis application produces daily and monthly reports by customer, as well as four-way reporting of profit margins. Facilities are built in to modify data file sizes and user-maintained constants.

This IAP requires a System/32 with either 16K or 24K bytes of memory, 5 megabytes of disk storage, and a printer with 132 positions. The system is written in RPG II and runs under the System Control Program, 5725-SC1 (Version 5 or above). The System/32 Utilities are also required. An LDMAS user may elect to purchase the DFAS Payroll, Accounts Payable, and General Ledger modules.

SYSTEM/32 FOOD DISTRIBUTORS MANAGEMENT ACCOUNTING SYSTEM (FDMAS): Like LDMAS, FDMAS is composed of a Billing module (5725-D6A), an Accounts Receivable module (5725-D66), an Inventory Control module (5725-D68), and a Sales Analysis module (5725-D6C). The Billing module features an open orders file in customer or item order that allows either case labels or a packing list in warehouse (slot) sequence. For billing purposes, variable pricing methods are available, including contract pricing, six classes of customer class pricing, cost plus pricing, catchweight pricing, broken case pricing with surcharge, special charges and allowances, case label charges, and cash and trade discounts. The Accounts Receivable module offers balance forward or open item selectable by account with late charges on monthly statements. As one of the features of this module, a summary or detail aged trial balance can be produced monthly or on demand. Up to four aging periods can be specified for the trial balance. The Inventory Control module supplies last cost and burden cost, full maintenance of broken case quantities, and warehouse location by slot. The Sales Analysis module provides sales and profitability figures by salesman, customer, item, and item class. The number and type of reports generated from this module are dependent in large part on the installation of the other modules in this application.

All programs in FDMAS are written in RPG II and can co-reside with the Accounts Payable, Payroll, and General Ledger modules of DFAS. Both 16K- and 24K-byte versions of FDMAS are available. Version 5 or above of the System/32 SCP is required, as is the System/32 Utilities program product.

SYSTEM/32 STUDENT ADMINISTRATION SYSTEM: This application consists of three interrelated programs written in RPG II, available for separate purchase. The Student Records module (5725-E31) is a prerequisite for the other modules and generates student profiles, class rosters, course curriculum lists, instructor lists, and instructor/room schedules.

The Student Accounting module (5725-E32) manages and reports attendance data on a daily basis, including absences unresolved from prior days. This module also contains programs that analyze report marks and prepare report cards. The Student Scheduling module (5725-E33) provides scheduling for up to four terms in a school year and up ▶

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▶ to 24 periods in a day. Module options include student free time requests and instructor selection. Scheduling for the next year and rescheduling remaining terms of the current year are other features.

The Student Administration System requires a 24K-byte System/32 with a 5-megabyte disk storage capacity. The system is written in RPG II and requires the Utilities program product.

SYSTEM/32 MOTOR FREIGHT ACCOUNTING SYSTEM (MFAS): This application (5725-T21) offers small and medium-sized general freight and specialty carriers a package of programs to help analyze and refine numerous revenue accounting functions. These include such business operations as freight bill entry and daily reports, accounts receivable, interline payments, owner operator accounting, and shipment analysis. MFAS prints statements for direct customer billing, freight payment plans, transport clearing houses, inbound and outbound terminal summaries, and undelivered freight reports. MFAS operates under SCP on a 24K-byte System/32. The application is written in RPG II and requires the Utilities program product.

SYSTEM/32 FINANCIAL INSTITUTIONS CUSTOMER ACCOUNTING SYSTEM: This IAP consists of four modules: Customer Information File (5725-F11), System Demand Deposit Accounting (5725-F12), System Savings Accounting (5725-F13), and Installment Loan Accounting (5725-F14). The system makes it possible for small commercial banks with 5 to 25 million dollars in deposits to handle savings and checking account information now processed by correspondent banks, other data services, or manual means.

The Customer Information File module provides the bank with a central source of information about its customers and their associated accounts, retrievable by customer name or specific account number. This module provides a customer services report, a customer profile, and mailing labels for selected groups of customers.

The Demand Deposit Accounting module processes checking account deposits and withdrawals and offers the optional functions of overdraft banking, automatic funds transfer, and combined statements showing savings account balances. Monetary transactions can be entered with the IBM 1255 Magnetic Character Reader and posted against the current, available, or collected balance.

The Savings Accounting module processes deposits and withdrawals from regular savings accounts and time deposit open accounts. The module offers up to eight different plans at one time for calculating, compounding, and crediting interest. Annual interest is reported to the customer on 1099 forms.

The Installment Loan Accounting module processes add-on, discount, and simple interest loans employing both monthly

and quarterly payment schedules. The same loan may have different accrual and refund methods and early payoff including interest and insurance refunds.

This application requires either a 24K- or 32K-byte System/32 operating under SCP Version 6 or above with System Utilities installed.

PRICING

POLICY: IBM offers the System/32 on a purchase or rental basis. Two rental policies are available, the standard Monthly Availability Charge (MAC) and the System/32 Term Availability Plan (TAP).

The current Agreement for Lease or Rental of IBM Machines provides users with a single contract on which they can specify mixtures of rental and leased equipment, each with various terms. CPU's rented under the plan can be terminated or downgraded on 90 days' notice, and all other rented equipment can be terminated or downgraded on 30 days' notice. Base terms and extension terms are specified for each piece of equipment obtained through a leasing agreement. The basic lease term is two years, followed by one-year extension terms.

SOFTWARE: System/32 users receive the basic System Control Program at no additional cost. All other IBM software, including RPG II, Basic Assembler, FORTRAN IV, the 5320 Program Support Product, and the Industry Application Program, is separately priced. The IAP's are supplied on IBM-owned diskettes, include documentation, operator manuals, and instructional materials, and are maintained by IBM.

EQUIPMENT: The following systems illustrate the limits of non-communications-oriented System/32 configuration possibilities. No software is included in the indicated prices.

MINIMUM SYSTEM: Consists of 5320 Model A01 System Unit, including 16K bytes of main storage, 3.2 million bytes of disk storage, diskette drive, 40-cps unidirectional serial printer, keyboard, and display. Monthly rental, $865 (1-year lease) or $786 (TAP). Purchase price, $23,490.

EXPANDED SYSTEM: Consists of 5320 Model B33 System Unit with 32K bytes of main storage, 9.1 million bytes of disk storage, diskette drive, 155-lpm line printer, keyboard, and display. Monthly rental, $1,479 (1-year lease) or $1,347 (TAP). Purchase price, $31,456.

LARGE SYSTEM: Consists of 5320 Model C44 System Unit with 32K bytes of main storage, 13.7 megabytes of disk storage, diskette drive, 285-lpm line printer, keyboard, display, 129-2 data recorder, BSCA, and 3741-2 data station with data recorder attachment feature. Monthly rental, $2,442 (1-year lease). Purchase price, $52,366. ■

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental*	Monthly Rental*
BASIC SYSTEM					
5320	System Unit (includes CPU, 16K bytes of main storage, fixed-disk storage unit, diskette drive, printer, keyboard, and display)				
Model A01	40 cps unidirectional printer, 3.2 MB disk storage	$23,490	$160.00	$ 865	$ 786
Model A02	40 cps unidirectional printer, 5.0 MB disk storage	23,910	160.00	951	864
Model A03	40 cps unidirectional printer, 9.1 MB disk storage	26,100	170.00	1,054	958
Model A04	40 cps unidirectional printer, 13.7 MB disk storage	27,500	180.00	1,123	1,021

*Rental prices include equipment maintenance.

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BASIC SYSTEM (Cont'd.)

		Purchase Price	Monthly Maint.	Monthly Rental*	Monthly Lease*
Model A11	40 cps bidirectional printer, 3.2 MB disk storage	23,670	165.00	922	838
Model A12	40 cps bidirectional printer, 5.0 MB disk storage	24,090	165.00	1,007	916
Model A13	40 cps bidirectional printer, 9.1 MB disk storage	26,280	175.00	1,110	1,010
Model A14	40 cps bidirectional printer, 13.7 MB disk storage	27,680	185.00	1,179	1,073
Model A21	80 cps bidirectional printer, 3.2 MB disk storage	23,820	170.00	973	885
Model A22	80 cps bidirectional printer, 5.0 MB disk storage	24,240	170.00	1,058	963
Model A23	80 cps bidirectional printer, 9.1 MB disk storage	26,430	185.00	1,161	1,057
Model A24	80 cps bidirectional printer, 13.7 MB disk storage	27,830	190.00	1,230	1,120
Model A31	120-cps bidirectional printer, 3.2 MB disk storage	23,970	175.00	1,024	932
Model A32	120-cps bidirectional printer, 5.0 MB disk storage	24,930	175.00	1,109	1,010
Model A33	120-cps bidirectional printer, 9.1 MB disk storage	26,580	185.00	1,212	1,104
Model A34	120-cps bidirectional printer, 13.7 MB disk storage	27,980	195.00	1,281	1,167
Model B11	50 lpm line printer, 3.2 MB disk storage	26,870	185.00	1,047	953
Model B12	50 lpm line printer, 5.0 MB disk storage	27,290	185.00	1,132	1,031
Model B13	50 lpm line printer, 9.1 MB disk storage	29,480	195.00	1,235	1,125
Model B14	50 lpm line printer, 13.7 MB disk storage	30,880	205.00	1,304	1,188
Model B21	100 lpm line printer, 3.2 MB disk storage	26,940	195.00	1,127	1,026
Model B22	100 lpm line printer, 5.0 MB disk storage	27,360	195.00	1,212	1,104
Model B23	100 lpm line printer, 9.1 MB disk storage	29,550	205.00	1,315	1,198
Model B24	100 lpm line printer, 13.7 MB disk storage	30,950	215.00	1,384	1,261
Model B31	155 lpm line printer, 3.2 MB disk storage	27,090	205.00	1,207	1,099
Model B32	155 lpm line printer, 5.0 MB disk storage	27,510	205.00	1,292	1,177
Model B33	155 lpm line printer, 9.1 MB disk storage	29,700	215.00	1,395	1,271
Model B34	155 lpm line printer, 13.7 MB disk storage	31,100	225.00	1,464	1,334
Model C41	285-lpm line printer, 3.2 MB disk storage	31,290	230.00	1,408	1,282
Model C42	285-lpm line printer, 5.0 MB disk storage	31,710	230.00	1,493	1,360
Model C43	285-lpm line printer, 9.1 MB disk storage	33,900	240.00	1,596	1,454
Model C44	285-lpm line printer, 13.7 MB disk storage	35,300	250.00	1,665	1,517
1005	Additional main storage; 8192 bytes (maximum of 2)	878	2.50	42	38
1100	MICR reader/sorter attachment	8,775	25.00	272	247
1500	Control storage increment for FORTRAN IV	878	2.50	42	38
3200	Data recorder attachment	1,770	6.00	81	74
3400	Upper/lower case keyboard/display (B Models only)	1,000	1.00	30	27
4530	Half-line vertical space printing (B Models only)	600	0.50	15	14
4655	Keylock	72**	—	72**	72**
4900	Mag card unit attachment (B and C Models only)	2,800	4.00	84	76
5552	48-character FORTRAN print belt (B & C models only)	170	—	—	—
5910	64-character EBCDIC print belt	170	—	—	—
5911	48-character EBCDIC print belt	170	—	—	—
5912	64-character ASCII print belt	170	—	—	—
5913	96-character modified Courier print belt	170	—	—	—
5914	96-character Artisan print belt	170	—	—	—

PUNCHED CARD EQUIPMENT

		Purchase Price	Monthly Maint.	Monthly Rental*	Monthly Lease*
129-2	Data recorder; 80-column alphanumeric reader/print/punch; no verification	4,090	63.00	187	—
1020	Accumulate feature	583	3.00	25	—
1025	Accumulate program feature	146	1.50	5	—
3610	Expansion feature	389	—	10	—
3950	Variable length feed	723	8.50	32	—
6065	Reading board extension	16	—	—	—
8201	3741/5320 attachment	1,330	10.50	79	—
5496-1	Data Recorder; 96-column alphanumeric reader/printer/punch	4,005	68.00	213	—
7061	Self-checking number modulus 10 feature	474	1.00	37	—
7062	Self-checking number modulus 11 feature	474	1.00	37	—
7850	2772/3741/5320 attachment	1,290	16.50	55	—

MAGNETIC CARD EQUIPMENT

		Purchase Price	Monthly Maint.	Monthly Rental*	Monthly Lease*
5321	Mag card reader/recorder	10,200	55.00	255	217

PRINTERS

		Purchase Price	Monthly Maint.	Monthly Rental*	Monthly Lease*
46/40	Ink jet document printer; 77/92 cps (stand-alone device)	29,000	135.00	760	670
—	Communications option	5,400	—	135	120

*Rental prices include equipment maintenance.
**Single use charge.

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EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Lease*	Monthly Lease*
MICR EQUIPMENT					
1255-1	MICR reader/sorter; 5 sort pockets, 1 reject stacker; 500 dpm	35,460	288.00	949	—
1255-2	MICR reader/sorter; 5 sort pockets, 1 reject stacker; 750 dpm	40,590	460.00	1,155	—
1255-3	MICR reader/sorter; 10 sort pockets, 2 select/reject stackers; 750 dpm	55,260	606.00	1,520	—
4380	51-column card sorting feature	661	—	16	—
4520	High-order zero & blank selection feature	1,315	5.50	34	—
6303	5320 attachment	5,335	4.50	141	—
7060	Self-checking number/improved recognition feature	2,135	2.50	56	—
TERMINALS					
3741-2	Data Station	5,655	59.00	256	218
3741-4	Programmable Work Station	7,680	77.00	382	325
1350	Application Control Language Translator for Model 4	1,090	11.50	49	42
1680	Expanded Communications feature (expanded buffer, transmit select fields and records, receive data and insert constants, and unattended print mode)	855	2.00	36	31
3200	Data Recorder Attachment feature	1,715	6.50	69	59
3892	Expansion feature for printer or disk	335	3.00	12	10
4002	Feature Group A; includes verify, production statistics, field totals, self-checking number, and disk initialization capability	503	1.00	19	16
4655	Keylock feature	36	—	—	—
4975	Additional 4K bytes of storage	439	5.00	23	19
5450	Operator ID Card Reader feature	468	3.00	19	16
5500	1200-bps Integrated Modem, non-switched	660	5.00	20	18
5501	1200-bps Integrated Modem, switched with auto answer	880	7.00	27	25
5901	Alphanumeric keyboard with numeric key arrangement similar to adding machine	132	0.50	5	4
6123	Record Insert feature	164	0.50	6	5
6677	Second Disk Drive	1,560	2.50	67	57
7705	Synchronous Clock feature	164	0.50	6	5
7850	Terminal Identification feature	335	0.50	12	10
8111	Matrix Printer Attachment feature	164	1.00	6	5
8121	Expansion feature for 3715 Printer or disk	855	7.00	36	31
8123	Expansion feature for 3717 Printer or disk	616	1.50	22	19
COMMUNICATIONS FEATURES					
2074	Binary synchronous communications adapter	2,520	10.00	112	102
3701	EIA interface	420	4.50	12	11
4703	Internal clock	816	1.00	31	29
5500	1200 bps integrated modem, non-switched	660	5.00	20	18
5501	1200 bps integrated modem, switched with auto answer	880	7.00	27	25
5600	2400 bps integrated modem, non-switched point-to-point	2,240	11.50	78	71
5602	2400 bps integrated modem, non-switched multipoint tributary	2,490	13.00	85	77
5610	2400 bps integrated modem, switched with auto answer	2,550	14.00	86	78
5733	Processing unit expansion (prerequisite for 5600, 5602, and 5610)	720	5.00	23	21
6301	Synchronous data link control (SDLC) communications	3,080	15.00	138	126
7951	Switched network backup	357	3.50	11	10
7952	Switched network backup with auto answer	535	5.00	17	15

*Rental prices include equipment maintenance. The 3741 and its features have a two-year lease period under ETP/MLC.

SOFTWARE PRICES

		Initial Charge	Monthly License Charge
PROGRAM PRODUCTS			
5725-RG1	System/32 RPG II	—	$ 31
5725-UT1	System/32 Utilities Program (Data File Utility, SORT, and Source Entry Utility)	—	15
5725-M3A	IBM 5230 Data Collection System Support for System/32	$500	29
5725-XX1	Word Processor/32	—	150
5725-F01	System/32 FORTRAN IV	—	75
5725-UT2	System/32 File Conversion Utility	—	48
5725-XX2	System/32 Letter Writing Application	—	35
5725-M44	System/32 Shipping Control for Suppliers to the Automotive Industry	—	52
5725-M45	System/32 Release Control for Suppliers to the Automotive Industry	—	57
5725-XX3	System/32 Job Analysis System	—	64
5725-XM1	System/32 Subroutine Library—Mathematics	—	57
5725-XA1	System/32 Statistical System	—	57
5725-AS1	System/32 Basic Assembler Language and Macro Processor	—	85

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SOFTWARE PRICES

		Initial Charge	Monthly License Charge

INDUSTRY APPLICATION PROGRAMS

5725-K11	System/32 Membership and Mailing List System	—	107
	System/32 Construction Management Accounting System:		
5725-M61	Job Costing	—	37
5725-M62	Accounts Payable	—	47
5725-M63	Payroll	—	64
5725-M64	General Ledger	—	37
	System/32 Hospital Financial Management System:		
5725-H11	Patient Billing	—	32
5725-H12	Accounts Receivable	—	27
5725-H13	Payroll	—	53
5725-H14	General Ledger/Accounts Payable	—	42
	System/32 Manufacturing Management Accounting System:		
5725-M36	Product Definition & Costing	—	37
5725-M35	Inventory Management	—	40
5725-M32	Payroll	—	40
5725-M31	Production Status & Costing	—	40
5725-M39	Order Entry & Invoicing	—	49
5725-M38	Sales Analysis	—	40
5725-M34	Accounts Receivable	—	32
5725-M33	Accounts Payable	—	31
5725-M37	General Ledger	—	31
	System/32 Distribution Financial Accounting System:		
5725-D61	General Ledger	—	31
5725-D62	Accounts Payable	—	31
5725-D63	Payroll	—	40
5725-C21	System/32 Client Accounting and Financial Reporting System	—	108
5725-H15	Medical Group Management System	—	103
5725-F52	System/32 Management System for Law Firms	—	207
	System/32 Distributors Management Accounting System		
5725-D41	Billing	—	55
5725-D45	Inventory Control	—	49
5725-D43	Accounts Receivable	—	37
5725-D47	Sales Analysis	—	49
	System/32 Lumber Dealers Management Accounting System		
5725-D4F	Billing	—	55
5725-D4D	Inventory Control	—	49
5725-D4B	Accounts Receivable	—	37
5725-D49	Sales Analysis	—	49
	System/32 Food Distributors Management Accounting System		
5725-D6A	Billing	—	55
5725-D68	Inventory Control	—	49
5725-D66	Accounts Receivable	—	37
5725-D6C	Sales Analysis	—	49
	System/32 Student Administration System		
5725-E31	Student Records	—	65
5725-E32	Student Accounting	—	72
5725-E33	Student Scheduling	—	86
5725-T21	System/32 Motor Freight Accounting System		167
	System/32 Financial Institutions Customer Accounting System		
5725-F11	Customer Information File	—	88
5725-F12	Demand Deposit Accounting	—	79
5725-F13	Savings Accounting	—	78
5725-F14	Installment Loan Accounting	—	90
5725-XA2	Retail Data Preparation Program	—	65