

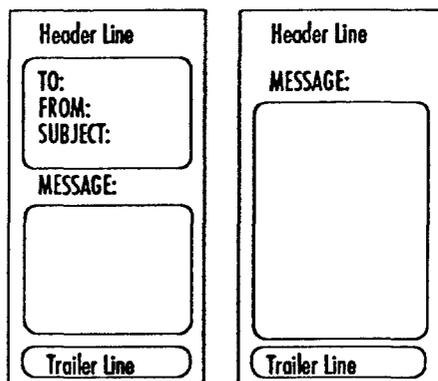
is utilized. The paging system which is being called by Pagentry must be equipped to receive Alpha-Tone messages on its telephone trunks.

FAXING

One to hundreds of textual messages may be entered into Pagentry at any time. These messages may later be transmitted to any CCITT Group III fax machine. Like paging, when you are ready to transmit from Pagentry you connect the unit to a telephone line via an RJ11 telephone connector or an optional acoustic coupler if a pay telephone is to be utilized.

Textual messages transmitted by Pagentry appear on fax machines in one of two formats. One format makes the output appear as a memo while the other only contains the message text. Pagentry adds graphics to the output in order to improve the appearance of the fax message.

Fax output appears as follows:



DATA TERMINAL

Pagentry can dial into a remote computer, data service or another Pagentry device and then be utilized to perform interactive communications. Any information typed at the keyboard is sent to the remote system and any displayable data transmitted by the remote device is scrolled across Pagentry's display.

Pagentry can operate in half duplex or full duplex mode. It normally operates as an ASCII device.

ELECTRONIC MAIL

Electronic mail messages may be entered into Pagentry for later transmission to a remote Pagentry device or to

a remote computer system. A Pagentry unit can be set up to automatically answer incoming telephone calls and receive electronic mail messages for subsequent review by the user. You may leave your Pagentry unit connected to a telephone line overnight, and read your received electronic mail in the morning.

TELECOMMUNICATIONS DEVICE FOR THE DEAF (TDD)

Pagentry can be set up to operate in TDD compatibility mode. In this mode Pagentry can communicate with existing domestic and international Telecommunication Devices for the Deaf. In this mode, Pagentry transmits through the use of Baudot characters rather than industry standard ASCII characters. This mode allows two hearing impaired individuals to interactively communicate with each other as well as allowing hearing individuals to electronically communicate with hearing impaired individuals.

TOUCH TONE DIALER

The Touch Tone Dialer feature of Pagentry allows the user to call into and send touch tone digits to a remote telephone answering machine, voice mail system, or interactive voice response system. Voice responses from remote devices can be heard on the integral speaker built into the unit.

CALCULATOR

Pagentry can be used as a 9-digit, 4-function calculator.

ALARM CLOCK AND REMINDERS

Pagentry can be used just like an alarm clock, except that the Alarm can be set for a specific date, in addition to the time. You can include a Message which will be displayed when the Alarm or Reminder goes off and you can have several Alarms or Reminders set at one time. If Pagentry is turned off when an Alarm goes off it will wake up and continue to alert you periodically.

CANNED TEXT

You can store pieces of text of any length from a single character to a long phrase, to an entire message, in a special Canned Text Memory of Pagentry. The Canned

Text can then be recalled and entered into any messages you are creating. You can use Canned Text alone or in any combination with text you type into a message, and you can modify the result at any time.

Canned Text allows you to quickly compose messages from frequently used phrases such as "Please Call," "The office," and "your home," as well as hundreds of other phrases you define.

SYSTEM PARAMETERS

You can customize the operation of Pagentry through the selection of various System Parameters. These parameters control features such as Key Clicking while typing, the speed at which displays move ("scroll" through the display window), which of the Pagentry functions is operative when the unit is turned on, as well as many other parameters.

PRINTOUTS

All information which is stored in a Pagentry unit may be printed out for backup purposes. This includes the printing of a special report which lists all of Pagentry's parameters and their current settings. Printouts can be sent to any fax machine.

PC LINK

All of the information stored in the memories of the Pagentry unit may be backed up to a Personal Computer (PC). In addition, Pagentry memories can be loaded from information stored in the PC. You may even prepare your Radio Page messages and fax messages on your PC, then load them into a Pagentry unit for transmission.

EDITING

Pagentry provides capabilities which allow you to easily modify, update, and review any information which has already been typed into the unit. The unit provides functions such as skip forward by word, skip to start of line, skip to end of line, skip backwards by word, scroll forward, scroll backward, insert text and overtyping text, in order to simplify message maintenance.

MULTILINGUAL CAPABILITIES

Pagentry is capable of displaying prompts and messages in other languages.

RJ11 VERSUS ACOUSTIC COUPLER

When you are ready to communicate from Pagentry over the telephone network, the unit is normally connected to the line via its RJ11 telephone cable. When Pagentry is used from a pay telephone, a location where an RJ11 telephone jack is not available or in a foreign country where Pagentry is not type approved, an optional acoustic coupler allows the unit to still perform all of its communication functions.

FOR ADDITIONAL INFORMATION

For pricing and additional information, contact:



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H O W - T O H O W - T O

The following "How-To" pages give brief explanations of the more common PAGENTRY functions and features. See Section II for more detailed information.

Commands

Commands are used either to access a Memory, such as Page Memory, or to perform a task, like setting the Time of Day. Every command starts with **[F1]**, which shifts the keyboard up to NUMBERS and Command Mode. The command is executed immediately and PAGENTRY normally shifts into LETTERS Mode, just as though you pressed **[F2]**. (The only exception to this is when the specific command calls for a numeric entry — for example, when in Calculator.)

Scan Mode — No Cursor

The Scan Mode is in effect whenever you access a Memory with data in it. To move from one record to another through Memory, press **[F3]**. At each record you see the field prompt and the first several characters of the first field. To scan quickly from record to record, hold down the **[F3]** key.

Accessing a Record Directly

You can also go directly to a record. In Scan Mode, type the first few characters of the text contained in the first field of the record that you want, and press **[F4]**. If the text you typed exists, you skip to the first field of that record and are in Edit Mode. If there is no such text, a message will appear briefly and the display will continue to show the last field displayed. To skip directly to the first empty record at the end of Memory, press **[F5]** **[F4]**.

24

Editing & Edit Mode — Cursor Blinking

You can shift to Edit Mode from Scan Mode at any record. When you get to the record you want, press **[F6]** to "select" it for editing or to view it in its entirety.

GROUPS contain a variable number of Member fields, and FAX, PAGE and MAIL allow a variable number of Message fields. If you want to add one of these fields to such a record, skip to the end of the record by pressing the **[F7]** key until a blank field is displayed. Type in the text and press **[F7]**. You can add as many fields as you want. When you are done, press **[F8]** at the next blank field. You will return to Scan Mode at the beginning of the next record.

Leaving Edit Mode

You can leave Edit Mode (and the record you are working on) by pressing **[F9]** until you go to the first field of the next record. After leaving Edit Mode, PAGENTRY returns to Scan Mode unless there are no more records in that Memory, in which case PAGENTRY will go into Create Mode.

Deleting a Record

Scan to the record you want to delete. Select the record by pressing **[F6]**. Press **[F10]** **[F9]**. This deletes the record from Memory and places you at the first field of the next record. You are automatically returned to Scan Mode (no cursor). The only exception is if you have deleted the last record in a Memory, in which case you will be in Create Mode.

Changing Between Upper and Lower Case

The PAGENTRY keyboard is capable of typing in Upper Case or Lower Case. The current case shift is depicted by the height of the cursor character whenever you are in Edit mode. A tall cursor (full height) indicates that the

25

UPPER/LOWER
CASE
SUPPORT

UPPER/LOWER
CASE
SUPPORT

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H O W - T O H O W - T O

keyboard is currently ready to type Upper Case (Capital) letters. A short cursor (half height) indicates that the keyboard is ready to type lower case letters. (See the chart on p. ??)

The keyboard case may be changed via the LETTERS key. If the keyboard is currently in LETTERS mode (indicated by a downward pointing arrow), then depressing the LETTERS key again will change the keyboard case. Each time the LETTERS key is depressed, the height of the cursor will change in order to indicate if the keyboard is in Upper or Lower case. The use of the LETTERS key to change the keyboard case only operates when the cursor is being displayed.

The keyboard case may also be changed through the use of an **[EXTRA]** command (see p. ??). The command **[EXTRA]** **[L]** will change the keyboard to Lower case and the command **[EXTRA]** **[U]** changes the keyboard to Upper case.

Changing Between Insert Mode and Typeover Mode

When you are in Edit Mode and are in a field which already contains information, PAGENTRY gives you the option of typing over information which already exists (Typeover Mode) or inserting characters into the existing text (Insert Mode). The width of the cursor character denotes Insert or Typeover Mode. Insert Mode is indicated via a thin cursor character while Typeover Mode is shown by a thick cursor. The chart on page ?? shows how an Insert and Typeover cursor appears.

The Insert and Typeover Modes may be changed via the NUMBERS key. If the keyboard is currently in NUMBERS mode (indicated by the upward pointing arrow), then depressing the NUMBERS key again will change the Insert/Typeover Mode. Each time the NUMBERS key is

depressed, the thickness of the cursor will change in order to indicate if the keyboard is in Insert or Typeover Mode. The use of the NUMBERS key to change this mode only operates when the cursor is being displayed.

The Insert and Typeover Modes may also be changed through the use of an **[EXTRA]** command (see p. ??). The command **[EXTRA]** **[I]** will activate Insert Mode and the command **[EXTRA]** **[O]** will activate Typeover Mode.

Entering a New Record

If you are in Scan Mode and are not at the end of Memory, scan there by pressing **[F3]**, or skip there by pressing **[F5]** **[F3]**.

Type in the data for each field and press **[F7]**. The prompt for the next field appears. When you have typed the data for the last field, simply press **[F7]**. The blank first field for another new record is displayed. You can either make new entries or leave the Memory by giving a PAGENTRY Command.

If you are in a record that can have a variable number of fields, you can end the record by pressing **[F9]** at an empty field without entering anything. Or to put it another way, after you finish entering data in the last field, press **[F9]** twice.

Typing Data into Fields — Create Mode

When you are in Create Mode, the field is blank and the cursor is in the rightmost position of the display, with the prompt at the far left. As soon as you begin typing data, the prompt disappears. As you type, the data is pushed to the left until the display is full. Then as you continue typing, the first-typed characters move off the left end of the display, as the display moves forward to the right.

EXTRA FUNCTIONS

EXTRA FUNCTIONS

CAPS

CAPS

skip a line if we don't run into the page # on the bottom

Selection of Control Characters
The following is a list of the various control characters which may be sent while in BAA mode via the EXTRA CC command.

CC	Control codes	Select a control character
1:	SOH code	CC1
2:	STX code	CC2
3:	ETX code	CC3
4:	EOI code	CC4
5:	ENQ code	CC5
6:	ACK code	CC6
7:	DEL code	CC7
8:	BS code	CC8
9:	HT code	CC9
10:	LF code	CC10
11:	VT code	CC11
12:	FF code	CC12
13:	CR code	CC13
14:	SO code	CC14
15:	SI code	CC15
16:	DLE code	CC16
17:	DC4 code	CC17
18:	DC2 code	CC18
19:	DC3 code	CC19
20:	DC1 code	CC20
21:	NAK code	CC21
22:	SYN code	CC22
23:	ETB code	CC23
24:	CAN code	CC24
25:	EM code	CC25
26:	SS code	CC26
27:	ESC code	CC27
28:	FS code	CC28
29:	GS code	CC29
30:	DS code	CC30
31:	US code	CC31

Selection of Special Symbols
The following is a list of the various symbols which do not appear on the keyboard but may be selected for inclusion in messages.

SY	Symbols	Select a special symbol SY
1:	{ symbol	SY1
2:	} symbol	SY2
3:	\$ symbol	SY3
4:	@ symbol	SY4
5:	" symbol	SY5
6:	* symbol	SY6
7:	! symbol	SY7
8:	# symbol	SY8
9:	[symbol	SY9
10:] symbol	SY10
11:	- symbol	SY11
12:	^ symbol	SY12
13:	= symbol	SY13
14:	symbol	SY14
15:	\ symbol	SY15
16:	: symbol	SY16
17:	; symbol	SY17
18:	(symbol	SY18
19:) symbol	SY19
20:	< symbol	SY20
21:	> symbol	SY21

Put an extra line here

SUPPORT OF SPECIAL SYMBOLS

EXTRA FUNCTIONS

EXTRA FUNCTIONS

"We've been contacted [by equipment vendors], and we've also contacted others," LaForge said. "We're currently holding discussions with a variety of different subscriber equipment vendors, ... both domestic and international suppliers. Other carriers may be doing the same thing."

Rucker said the speed of the CDMA program "is dictated by Qualcomm, how fast they can get functions designed and incorporated into chips." Specifications for the common air interface for CDMA systems were completed in early October, he said, but base station and cellular telephone specifications are still being developed.

Initially, the plan is to incorporate the design into three chips, Rucker said. However, shrinking it further into a single chip will be necessary, particularly for the portable cellular phone, he added.

PROTOCOL COMMITTEE TO UPDATE BASIC DOCUMENT, DEVELOP ADDENDUM

The Telocator Network Paging Protocol Committee has decided to update its basic document detailing ways to incorporate terminals from different manufacturers into regional paging networks and to develop an addendum covering non-standard features of the protocol.

Jay Moskowitz, president of Real Time Strategies Inc., who chairs the committee, said the updates were approved during the recent Telocator annual convention. They include utilization of TNPP over dial-in and dial-out connections, implementation of transparent error checking codes for use of TNPP through statistical multiplexors, a review of the representation of two-tone signaling in different implementations of TNPP, definition of a variation of the POCSAG format which requires transmission of an extended warm-up code and a discussion of implementing voice paging through a TNPP network.

Moskowitz said the addendum is to include features that, although they conform to definitions of the TNPP specifications, are not considered "basic TNPP." It will define how certain extended capabilities have been implemented by one or more manufacturers so that another manufacturer wishing to interconnect or utilize a similar feature can do so in a compatible manner.

Moskowitz, whose firm has developed voice recognition technology for alphanumeric message entry, is seeking logs of alphanumeric messages sent by paging carriers in the U.S. and Canada. He is attempting to develop a dictionary of words used in alpha messages and has asked carriers to send him one month of logs to assist in development of the dictionary. Real Time Strategies is located in Hicksville, N.Y.

MOTOROLA GETS CONTRACTS TOTALLING \$100 MILLION FROM FOUR MEXICAN CARRIERS

Motorola's Radio-Telephone Group has won contracts that it values at a total of about \$100 million to supply infrastructure equipment to four of the eight regional cellular carriers in Mexico.

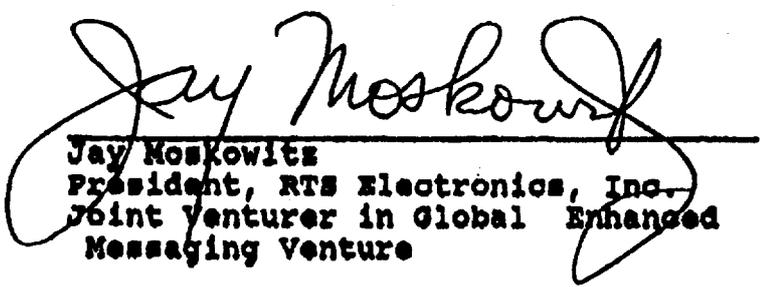
The Mexican government awarded 20-year licenses earlier this year to eight companies that are building regional nonwireline cellular carriers. Each of the carriers is a consortium controlled by Mexican investors but with major international participation, mostly from U.S. investors [BULLETIN, March 9].

Motorola said the four carriers it is supplying plan "a total investment of \$100 million for the next few years and a cumulative projection of over 70,000 subscribers, which represents approximately a 30% market projection." Their four regions have a total population of about 25 million, the manufacturer said.

The carriers buying Motorola equipment are:

D E C L A R A T I O N

I hereby declare, under penalty of perjury, that, except for the facts of which the Federal Communications Commission may take official notice, the facts stated in the foregoing REPLY TO OPPOSITIONS TO AND COMMENTS ON GLOBAL ENHANCED MESSAGING VENTURE PROPOSAL are true and correct. Dated this 29th day of June, 1992.


Jay Moskowitz
President, RTS Electronics, Inc.
Joint Venturer in Global Enhanced
Messaging Venture

CERTIFICATE OF SERVICE

I, Artie King, Secretary in the law offices of Schwartz, Woods & Miller, do hereby certify that I have on this 29th day of June 1992 sent by First Class United States mail, postage prepaid, copies of the foregoing **REPLY TO OPPOSITIONS TO AND COMMENTS ON GLOBAL ENHANCED MESSAGING VENTURE PROPOSAL** to the following:

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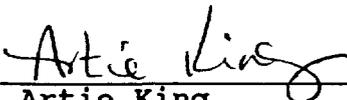
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