INTRODUCING A NEW GENERATION OF 5-LEVEL TELEPRINTERS.

A NEW LEGEND BEGINS.

Quiet, compact and fully electronic, the new 5-level CCITT No. 2 model 42 family is more than efficient and reliable. It's also economical. In more ways than one, 42 teleprinters are perfect replacements for the legendary Teletype model 32 units, which makes them particularly ideal for TELEX applications.

Speed is operator selectable, and includes 45.5, 50, 75, 100 and 225 baud.

A NEW DEFINITION FOR RELIABILITY.

You can expect the same outstanding reliability from the model 42 teleprinters as customers are reporting for the model 43 units. That's because both the 42 and 43 teleprinters are essentially the same design.

In both, we've kept parts to a minimum for maximum dependability. Only five major pluggable components are used (six, counting the paper tape reader/punch in the ASR model 42), along with extensive use of LSI circuitry. Plus the unique, 9-wire matrix printhead with an average life expectancy in excess of 200 million characters is used.

MORE TO FOLLOW.

The new model 42 family is available in three configurations: buffered receive only (BRO); buffered send/receive (BSR); and buffered automatic send/receive (ASR). Future plans call for similar configurations in unbuffered versions. Also in the planning stage are additional choices within the 42 family including variable form widths, new character fonts and various power supplies.

BUFFER FLEXIBILITY.

The buffered 42 units contain up to 20,000 characters of solid-state memory. The operator has full control over the messages... while they are being keyboarded and edited, while they are waiting to be sent, and after they have been sent. For maximum terminal utilization and throughput, the buffered units send and receive on-line via the buffer while messages can be simultaneously prepared by the operator for future transmission.

Sent texts are temporarily stored so that if the message was not received, or received garbled, or contained errors, it can be retrieved, edited and resent.

For priority message transmissions, important texts can be found in the edit buffer using a string search and then easily transferred to the send buffer for instant transmission.

PLUS PAPER TAPE.

With the 42 ASR, which includes the paper tape unit, the operator can store messages on a permanent storage medium. The information can then be sent automatically on-line or re-loaded into the buffer for further editing, or the paper tape can be moved physically to another communication facility. The paper tape can also be used to handle messages which exceed the capacity of the buffer.

SEND/RECEIVE DISTINCTION.

The model 42 displays all sent messages in upper case, while all received messages are displayed in lower case. This distinction permits easy recognition of received and sent messages—even on the carbon copy.

BUILT-IN TEST PROGRAMS.

As reliable as the model 42 product line is, if something should go wrong, built-in test programs help isolate the problem quickly. All the service personnel have to do is remove the faulty component and plug in the replacement.

NATIONWIDE SERVICE.

All Teletype Corporation products are backed by a nationwide service organization that's geared to provide fast field response as well as a variety of service plans.
The Teletype™ model 42 buffered ASR electronic teleprinter...it's the solution to many of your business telecommunication needs. Designed to operate in an international and domestic Telex environment, this microprocessor controlled message handling terminal brings a new standard of flexibility and capability to existing 5 level message handling or Telex systems.

A comprehensive system of send and receive buffers with up to 20,000 character capacity permits full editing, checking and message confirmation ability.

In addition, a 5-level paper tape unit further enhances the 42 ASR's ability to store and manipulate information. Messages may be keyboarded directly to the tape, they may be batched from the buffer to the tape or they may be punched from material presented on the line. Tape provides an inexpensive, machine readable, permanent storage medium that may be used on any other 5 level machine.

Some examples of how the model 42 ASR's features can increase the throughput and overall efficiency of your existing 5 level network are:

- **Easy editing before message is sent.** Messages may be fully edited in buffer before transmission or transfer to paper tape.
- **Buffer text editing capabilities permit any text to be located by string searching, quickly retrieved and corrected or changed by character manipulation not only prior to but also after transmission.** Sent text is temporarily stored in the buffer so if the message was not received, received garbled or contained errors, it can be retrieved edited and resent. Messages from tape can also be resent if needed.
- **Priority message transmission—important messages can easily be found in the edit buffer using a string search and transferred to send buffer for instant transmission.**

- **The friction feed version prints up to an 80 character line on 8½” x 400 ft. roll paper. It can easily be optioned for a 69 or 72 character line. The pin-feed prints up to a 132 character line on 12 inch wide 8½ inch long fanfold paper that converts to a convenient letter size when the ½ inch serrated feed margins are removed.**
- **Send-receive distinction—sent messages are displayed all caps while received messages are displayed all lower case. Allows easy recognition of received and sent messages—even on the carbon copy.**
- **4 row keyboard does not need to be manually shifted between letters and figures. Terminal generates the proper code and automatically sends the necessary shift character before the figure/letter code is sent.**
- **You can transmit messages manually by keyboard, from buffer or automatically by punched tape, and simultaneously print local page copy for visual reference with or without perforating tape.**
- **Integral Telex dial up—you may dial into the Telex network using the top row keyboard or the numeric keypad.**

Tape perforator—reader helps operators maintain maximum efficiency. Messages may be prepared off-line and batched for errorless transmission at maximum terminal speed. Tape mechanism senses any functional problem, stops transmission and signals operator. Tape low sensor turns unit off when 1000 ft. roll is exhausted.

Teletype Corporation products are backed by a nationwide service organization and a worldwide dealer organization providing fast field response time and a variety of service plans.
FEATURES

General
- Speeds: 45.5, 50, 75, 100, 225 baud
- Code: 7.5 bits/char, 50 character CCITT #2 compatible code
- Interface: 20/60ma. DC current or Telex Neutral Line Interface
- Answer back: Up to 20 selectable characters
- Telex Dialing: From numerical keypad or top row of keyboard

Printer
- Friction feed prints an original and one copy on a 72 or 80 char/line at 10 char/inch and 6 line/inch on standard 8½ inch wide 400 ft. roll paper
- Pin feed prints up to 72, 80, or 132 char/line at 13 char/in and 6 line/inch on up to 3 ply fan-fold forms 12 inches wide, 8½ inches long
- Printing rate is a true 30 cps. Timing characters are not required for return and line feed or multiple back space
- Characters formed by a 9-wire matrix impact printhead
- Prints received message all caps, sent message all lower case
- Prints 50 CCITT #2 characters
- Left and Right Margin Set and Clear, operator and on-line controllable
- Single or Double Line Feed
- Line feeds at rate of 30 lines/sec
- Paper alarms
- Last Character visibility
- Bell rings before and at right margin and on receipt of BEL
- Print-position indicator scale
- Paper Guide and Supply facilities
- Ribbon cartridge (continuous inking) for easy replacement

Paper Tape Unit
- Uses 5-level, 11/16" wide oiled paper tape, 1000 ft.
- 30 cps operation maximum
- Unit may be located up to 50 ft. from terminal
- 5-level photoelectric sensing tape reader
- Buffer prevents loss of received characters during motor start up
- Automatic punch/reader control permits punch or reader to be turned on or off remotely by code
- Punch controls/indicators: on/auto/off; feed/back-space; punch on indicator
- Reader controls/indicators: on/auto/off; skip/step; reader on indicator
- Power off/on; Printer off/Dup tape control
- Alarm indication for tape out, tight or tangled tape or gate up
- "Smart" motor controller shuts motor off when not needed

Keyboard
- Typewriter-like buffered solid state 4 row keyboard with numeric pad
- Automatic letters, figures code generation
- Caps Lock, Repeat, Return, Line Feed, Figures, Letters, Shift and Control Keys

Buffer
- Basic buffer size is 4K characters expandable to 20K
- Send buffer is circularly organized and dynamically divided into Edit Buffer, To-Be-Sent Buffer, and Already-Sent Buffer
- Receive buffer accepts all received data from line, holds until printer available
- 14 control keys handle buffer functions: Buffer Enter, String Enter, Insert, Send Ready, Message Clear, Print Edit Buffer, Home, Store, Return/Recall, Character Delete, Reprint Receive, Retrieve, Search and Receive Message Waiting
- 16 lamps indicate various status conditions

Miscellaneous
- Self-test capabilities are provided for each major component
- Electrical requirements: 104 to 127 VAC 48-52 or 58-62 Hz operation
- Power Consumption: 220 WATTS maximum
- Environmental Requirements:
  - Temperature—Operating +40°F to 110°F +4.5°C to +43°C
  - Temperature—Operating —40°F to 150°F —40°C to 65°C
- Relative Humidity
  - Storage and Operating 5% to 95% (non-condensing)
- Size:
  - Height 35" 26" 28"
  - 889mm 660mm 711mm
- Weight 80 lbs 36.3kg

For further information on any Teletype Corporation product lines, or for the location of your nearest sales or product service representative, please contact:

Sales Headquarters
5555 Touhy Avenue
Skokie, Illinois 60077
Telephone (312) 982-2000

Product Service Headquarters
1325 Pratt Boulevard
Elk Grove Village, IL 60007
Telephone (800) 323-4226

TELETYPE CORPORATION

GENERAL OFFICES: 5555 Touhy Avenue, Skokie, Illinois 60077 Telephone: (312) 982-2000—TWX: 910-223-3611 and TELEX: 25-4051 (both have 24 hour automatic answering service)
Teletype™ Corporation's new Model 42 Buffered Send-Receive Teleprinter introduces reliable state-of-the-art electronic terminals to the international and domestic Telex market. These low maintenance microprocessor controlled 5-level terminals provide up to 20,000 characters of solid state internal buffer storage for sending, receiving and editing.

Quiet and compact model 42 teleprinters are in tune with today's business needs for efficient, reliable and economical communications.

Some examples of how the Model 42 BSR's features can increase the throughput and overall efficiency of your existing 5-level network are:

- 4-row keyboard eliminates manual shifting between letters and figures... speeds operator preparation of text. Terminal generates the proper code and automatically sends the necessary shift character before the figures/letters code is sent.
- Buffers permit easy editing before or after message is sent. Messages may be found for editing or transmission via string search. Sent text is temporarily stored allowing messages to be retrieved, edited or resent if they were not received properly.
- Printer operates at 30 characters per second. Its higher speed saves time in making a clean copy for proofing and permanent storage. The friction feed version prints up to an 80 character line on 8½" x 400 ft. roll paper. It can easily be optioned for a 69 or 72 character line. The pin-feed prints up to a 132 character line on 12 inch wide 8½ inch long fanfold paper that converts to a convenient letter size when the ½ inch serrated feed margins are removed.
- Priority message transmission—important messages can easily be found in edit buffer using a string search and transferred to send buffer for instant transmission.
- Telex dialing from keyboard for quick connection.
- Automatically transmits and receives while messages are simultaneously being prepared for future transmission...maximizes terminal utilization and message throughput.
- Send-receive distinction—sent messages are displayed all caps while received messages are displayed all lower case. This technique allows the distinction to be seen even on the carbon copy.
- You can transmit messages manually by keyboard or automatically by buffer, and simultaneously print sent message for visual reference.
- The model 42 operates asynchronously using a 5-level 7.5 bits/character code (CCITT #2). For Telex applications, it operates at a speed of 50 baud. It can be easily optioned to operate from 75 to 225 baud for private line applications.

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FEATURES

General

- Speeds: 45.5, 50, 75, 100, 225 baud
- Code: 7.5 bits/char, 50 character CCITT #2 compatible code
- Interface: 20/60ma. DC current or Telex Neutral Line Interface
- Configurations: Buffered Send-Receive (BSR)
  Buffered Receive Only (BRO)
- Telex dialing: from numerical keypad or top row keyboard
- Answer back: Up to 20 selectable characters
- Punch Reader Port: permits later addition of paper tape punch/reader

Keyboard

- Typewriter-like solid state buffered 4-row keyboard with numeric pad
- Automatic letters/figures code generation
- Caps Lock, Repeat, Return, Line Feed, Figures, Letters, Shift and Control Keys

Buffer

- Basic buffer size is 4K characters, expandable to 20K.
- Send buffer is circularly organized and dynamically divided into Edit Buffer, To-Be-Sent Buffer, and Already-Sent Buffer
- Receive buffer accepts all received data from line for transfer to printer
- 14 control keys handle buffer functions: Buffer Enter, String Enter, Insert, Send Ready, Message Clear, Print Edit Buffer, Home, Store, Return/Recall, Character Delete, Reprint Receive, Retrieve, Search and Receive Message Waiting
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Printer

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- Pin feed prints up to 72, 80, or 132 char/line at 13 char/in and 6 line/inch on up to 3 ply fan-fold forms 12 inches wide, 8½ inches long
- Effective printing rate is a true 30 cps. Timing characters are not required for return and line feed or multiple back space
- Characters formed by a 9-wire matrix impact printhead
- Prints received message all caps, sent message all lower case
- Prints 50 CCITT #2 characters
- Left and Right Margin Set and Clear, operator and on-line controllable
- Bell rings before and at right margin and on receipt of BEL
- Single or Double Line Feed
- Line feeds at rate of 30 lines/sec
- Paper alarms
- Last Character visibility
- Print-position indicator scale
- Ribbon cartridge (continuous inking) for easy replacement
- Paper handling facilities

Miscellaneous

- Self-test capabilities are provided for each major component
- Electrical requirements: 104 to 127 VAC 48-52 or 58-62 Hz operation
- Power Consumption: 125 WATTS maximum for BSR with 20K memory
- Environmental Requirements:
  Temperature-Operating: +40°F to 110°F
  +4.5°C to +43.5°C
  Temperature-Storage: -40°F to 150°F
  -40°C to 65°C
- Relative Humidity
- Storage and Operating 5% to 95% (non-condensing)

Size: (BSR & BRO)

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<td>80-column, 8½” Friction Feed; 132-column, 12” Sprocket Feed</td>
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<td>Optional kit to provide custom second character set. Features all independent of configuration.</td>
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