

RC855



What other terminal has a table of contents like this one?

ERGONOMICS

What good is a terminal that can handle your office work load, if it leaves your head and body feeling like YOU did all the work?

Page 4-5

LOCAL DATA PROCESSING

The RC855 is intelligent enough to do its own processing. With RC855 all office routines are at your disposal – on a single table.

Page 6-7

FLEXIBILITY

A symbolic explanation of why RC855 is unique in more ways than one, and a few words about RC-CIRCUIT

Page 8-9

DATA COMMUNICATION

RC855 was born to communicate. It communicates with IBM, CDC, etc., and of course with RC's own computers. RC855 data exchange can take place via the DATEX net.

Page 10-11



Now one terminal combines local and remote data processing

The RC855 has promoted RC COMPUTER to a position of prominence on the international terminal market. As regards both

technical refinement and competitive pricing it ranks peerless among its competitors.

RC855 is a member of the RC850 family of Display Terminals and Workstations which have been developed and manufactured by RC COMPUTER.

The RC855 is designed to comply with the administrative and professional needs of the imminent auto-



ated office. The RC850 series of products perform as a unity, harmonizing functional practicality with skillful ergonomic design.

APPLICATIONS

The RC855 was designed as a multi-purpose terminal, which means that one and the same

terminal can manage most of your office routines.

Advanced data communication with one or several host computers can alternate smoothly with local data processing or word processing.

ERGONOMICS AND DESIGN

The RC855 fits into any existing office as the terminal can be ergonomically adjusted to suit the user. Furthermore, its elegant design and quiet colours make the RC855 a pleasant element in any environment.

ERGONOMICS

What good is a terminal that can handle your office work load, if it leaves your head and body feeling like YOU did all the work?

Our main objective in designing the RC855 was to develop an integrated administrative working area, geared for the future, viewed from the present. From an ergonomic point of view, the RC855 can fit into any existing office. The terminal has several adjustment features to provide correct working posture. Therefore it is not necessary to buy an expensive terminal table to create a well-planned working area.

Shoulder pains can result from inconsequent design or placing of the keyboard. The forearms should be horizontal and the wrists should be supported by a wrist-rest.

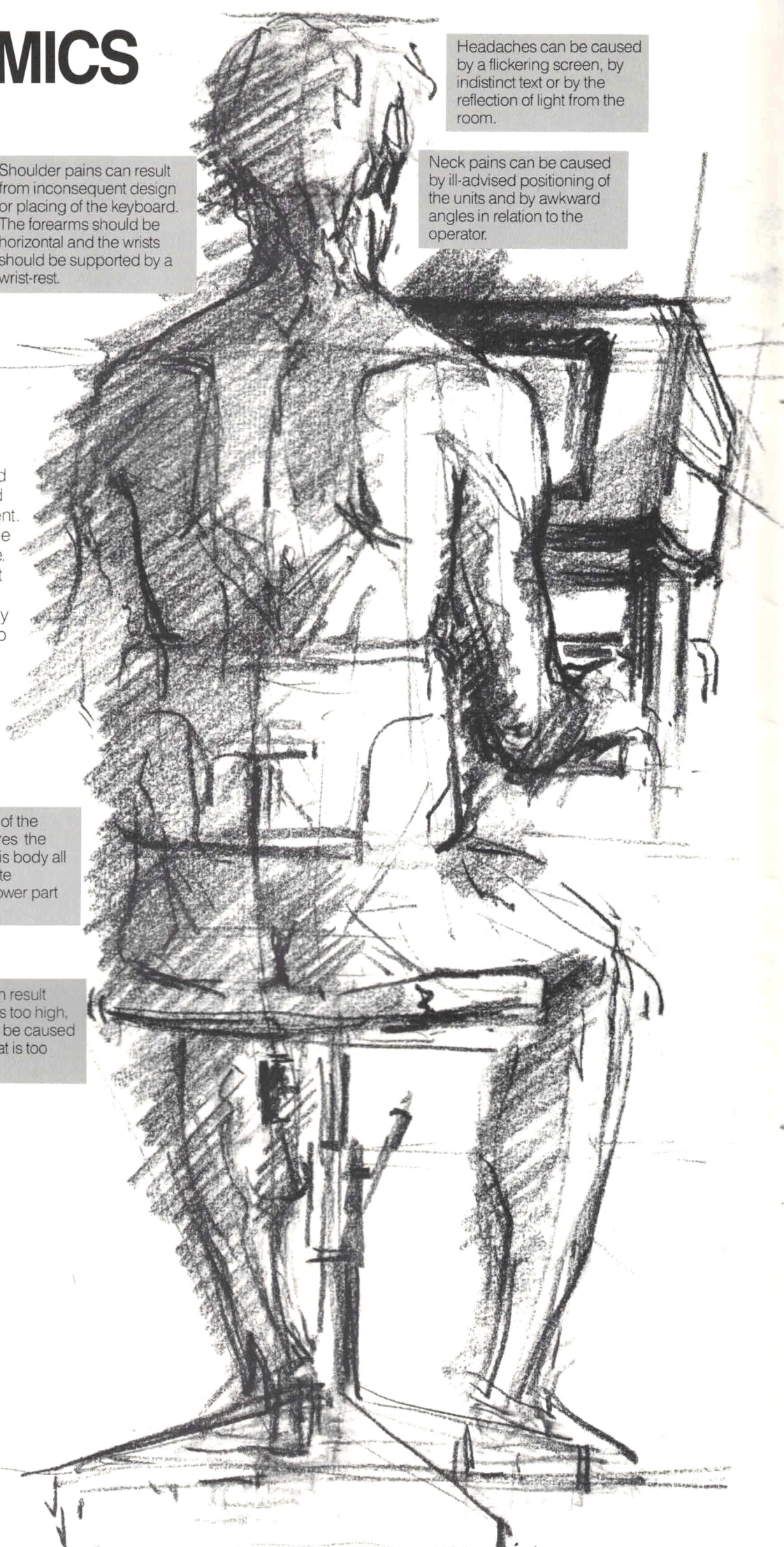
Headaches can be caused by a flickering screen, by indistinct text or by the reflection of light from the room.

Neck pains can be caused by ill-advised positioning of the units and by awkward angles in relation to the operator.

Incorrect placing of the units which requires the operator to turn his body all the time can create problems in the lower part of the back.

Aching thighs can result from a chair that is too high, which in turn can be caused by a keyboard that is too high.

Muscle pains often occur in connection with poorly arranged working areas with careless placing of the units.



Keyboard

The RC855 has an attractive, flat keyboard. The keys are placed in logically coherent groups with the function keys and typewriter keys separated by means of different colours. The numeric keys are placed separately to facilitate quick typing of numbers. The special built-in wrist-rest counter-acts arm fatigue.

Screen

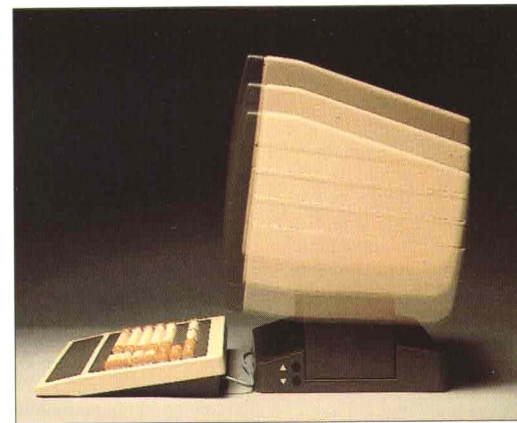
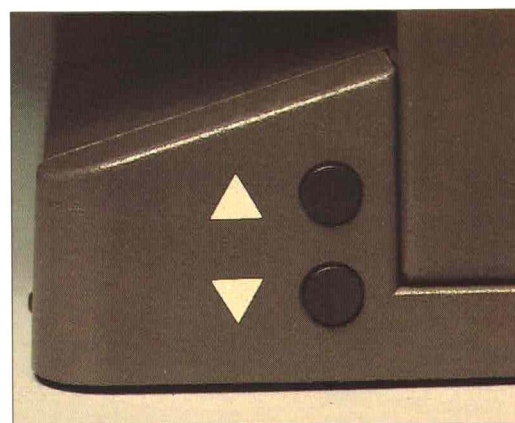
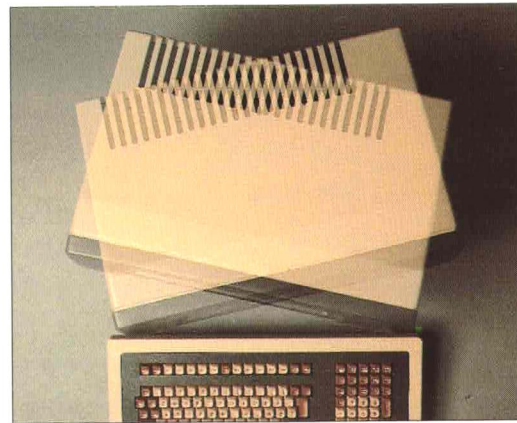
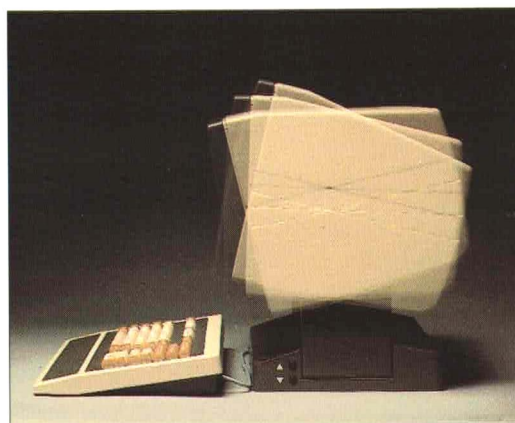
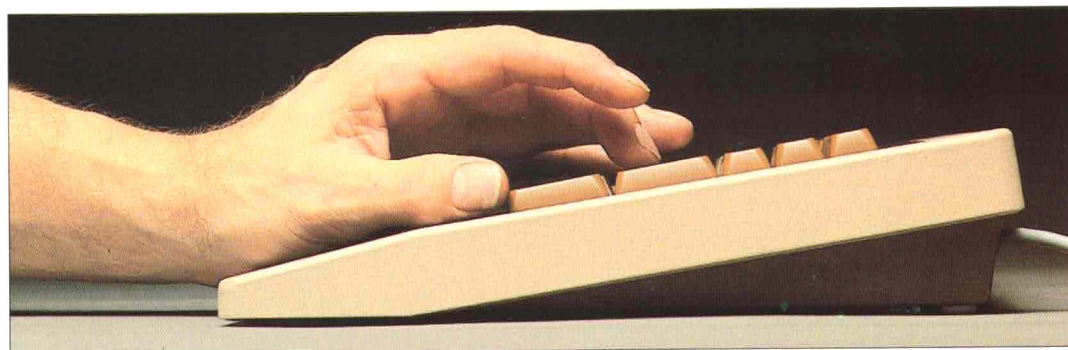
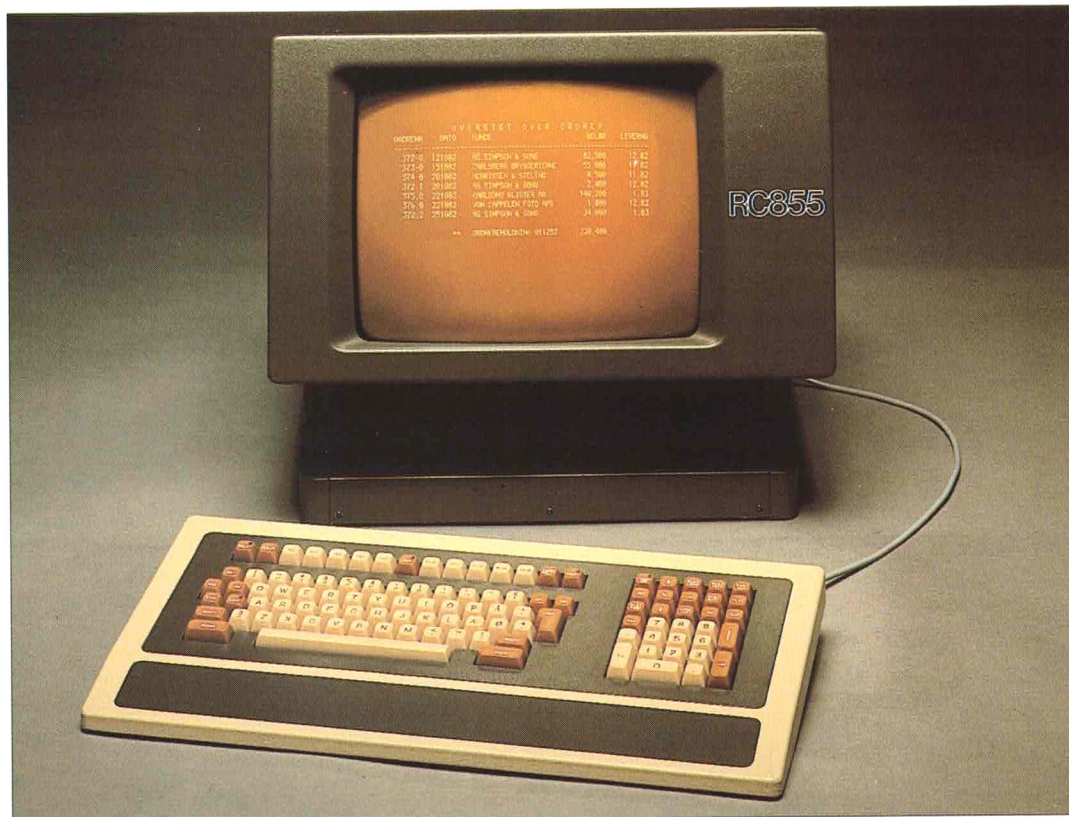
The RC855 has a large 15" screen with a non-reflective coating. The refresh rate is 60 Hz which prevents "flickering". The characters are large and legible, and are displayed either in yellow writing on a brown background or in green writing on a dark background. The screen image consists of 25 lines of 80 characters each. Light intensity can of course be adjusted.

There is no fan built into the screen and consequently no continuous noise to irritate the user.

Adjustment

The philosophy behind RC855's ergonomic design was that the equipment should be adapted to suit the operator and not vice versa. Therefore the RC855 is equipped with all the necessary adjustment features to ensure an ergonomically correct working posture.

- The screen can be raised or lowered by pressing one single button which activates a built-in motor.
- The screen can be manually tilted.
- The screen angle can be adjusted by means of the built-in swivel-foot.
- The keyboard is of course separated from the screen and can be placed where most practical.



LOCAL DATA PROCESSING

The RC855 is intelligent enough to do its own processing. With RC855 all office routines are at your disposal - on a single table.

RC COMPUTER believes that a modern terminal should not only be able to communicate with large host computers but should also handle local data processing assignments without necessitating a change of terminal.

The RC855 is a multi-purpose terminal, which as a workstation can manage many types of local data processing (word processing, registration, etc.) interspersed with the execution of advanced communication with one or more host computers. The need to communicate with host computers is often limited to just a few hours of the day, so why not make sensible use of the "wasted time" when the communication facilities are not being used. There is no need to change the printed circuit board of the RC855 or to adapt it in any other way to accommodate local data processing. The RC855 is a born microcomputer too.

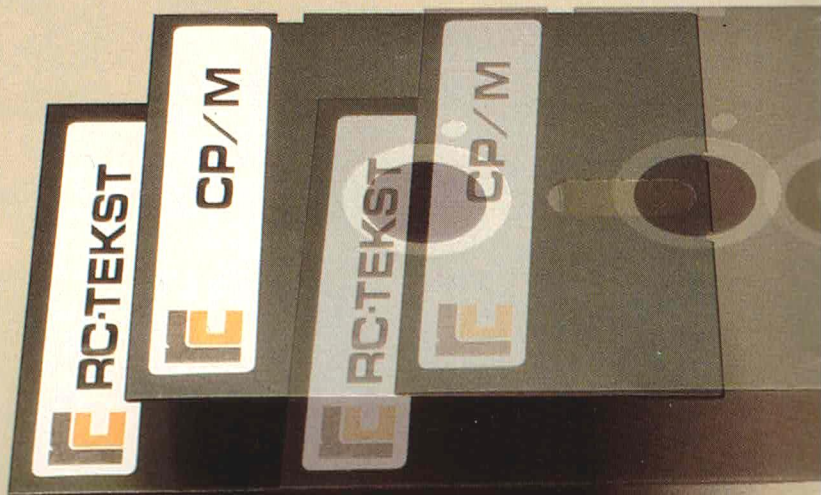
More than one software supplier

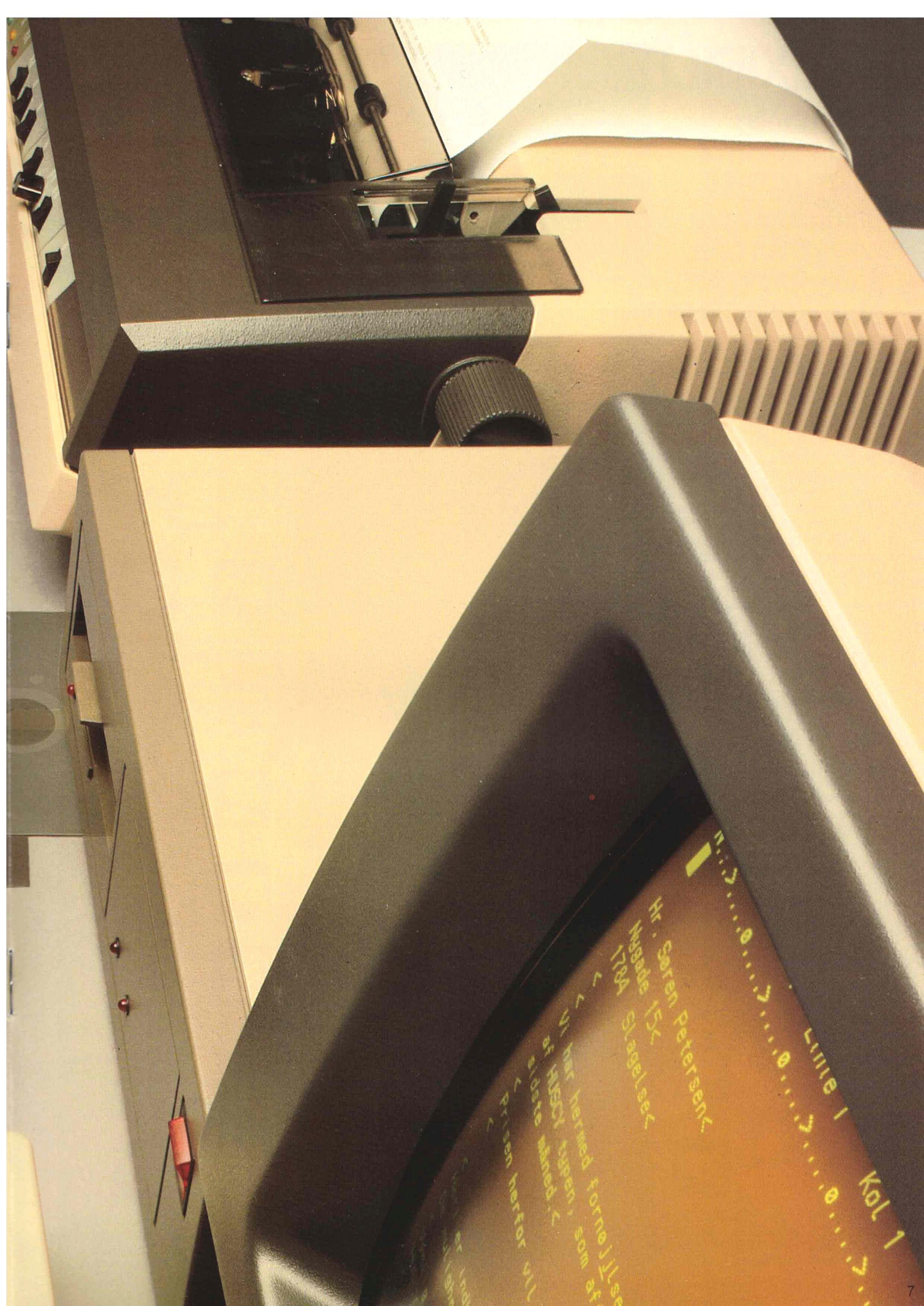
As with other microcomputers, the RC855 Intelligent Terminal uses an operating system capable of handling the tedious work, such as program execution, communication with peripherals etc.

RC COMPUTER has chosen the operating system CP/M, and this is not a coincidence since CP/M is the most widely used operating system on the market. In fact it is almost an industrial standard. CP/M has an ever increasing supply of standard programs for:

- Word Processing
- Data Registration
- Technical or Financial Calculations
- Financial Analysis
- Program Compilation
- Etc.

It is also important to notice that CP/M applications are sold by RC COMPUTER as well as by a number of other software suppliers. This means that the user will not have to depend on one single supplier.





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Linje 1

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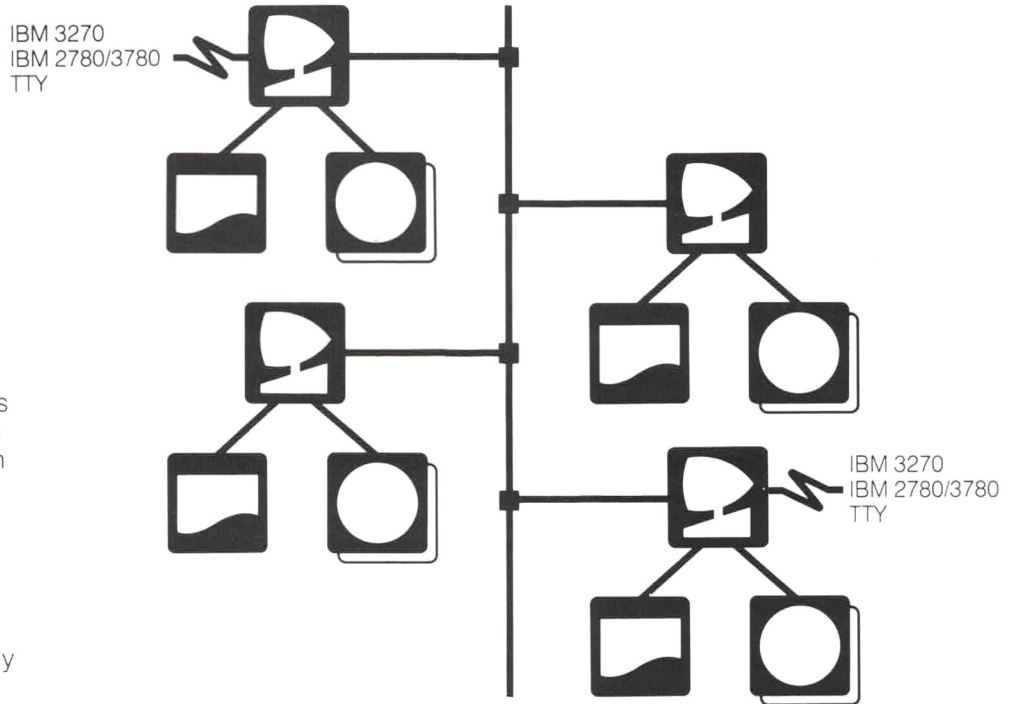
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FLEXIBILITY

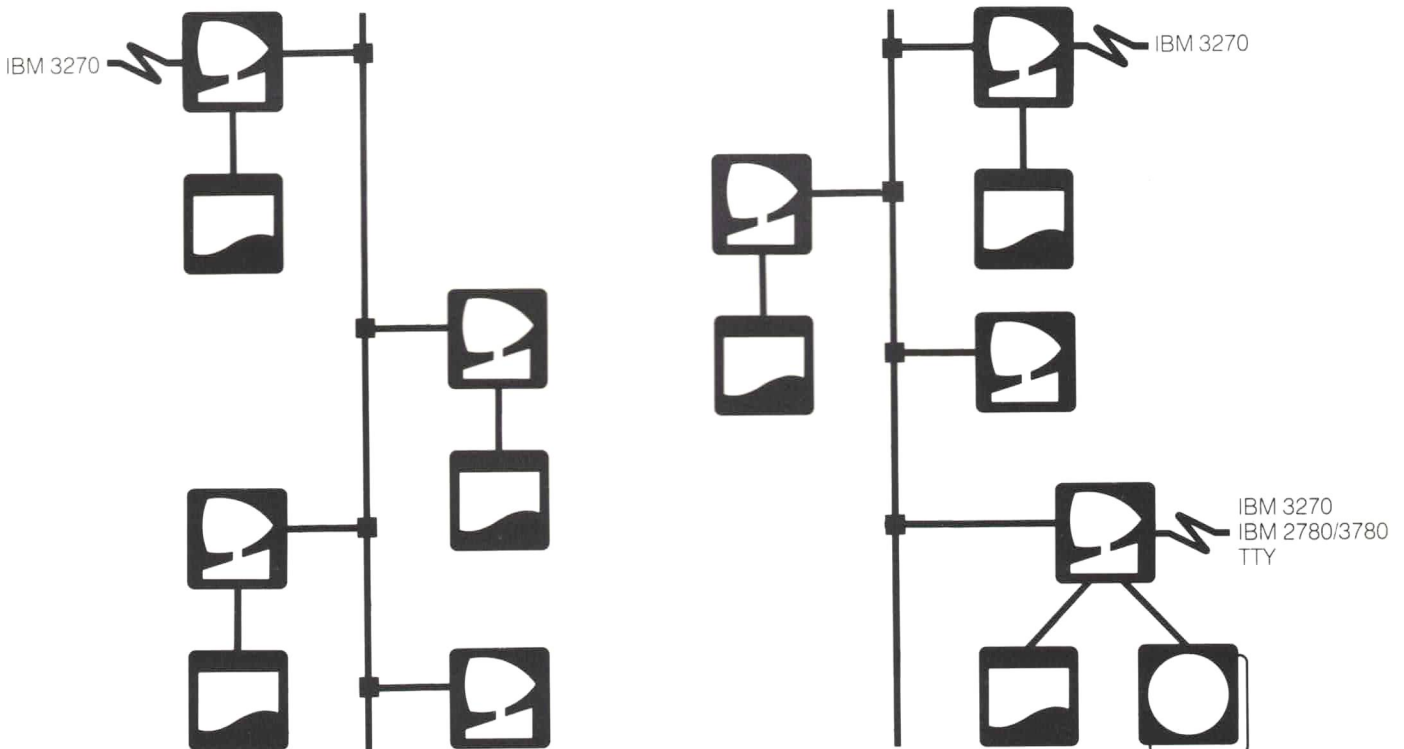
A symbolic explanation of why RC855 is unique in more ways than one, and a few words about RC-CIRCUIT.

The RC855 terminals are interconnected in clusters by a local network called RC-CIRCUIT. Physically it consists of a 2-wire cable with plug outlets for each terminal.

That means no thick coaxial cables but rather a thin wire (of the telephone type). It is not only the lowest priced installation on the market, it is also the most flexible. It will often pay to use wires with plug outlets, not only for your present terminals but also for possible future terminals. You will then be prepared for both expansion and rearrangements in the office. The wire of a single local network can be up to 1.5 kilometres long. Printers and disc drives can be directly connected to the terminals. The individual terminal in a cluster can run local data processing or communicate with host computers as required.



A cluster consisting only of RC855 workstations. All kinds of protocols can be used, all workstations can in principle act as a master, and all workstations can run local data processing.

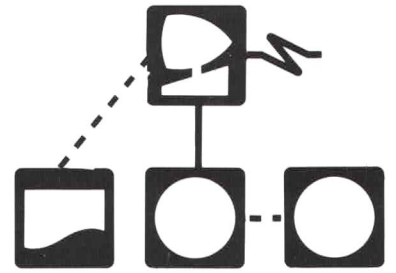
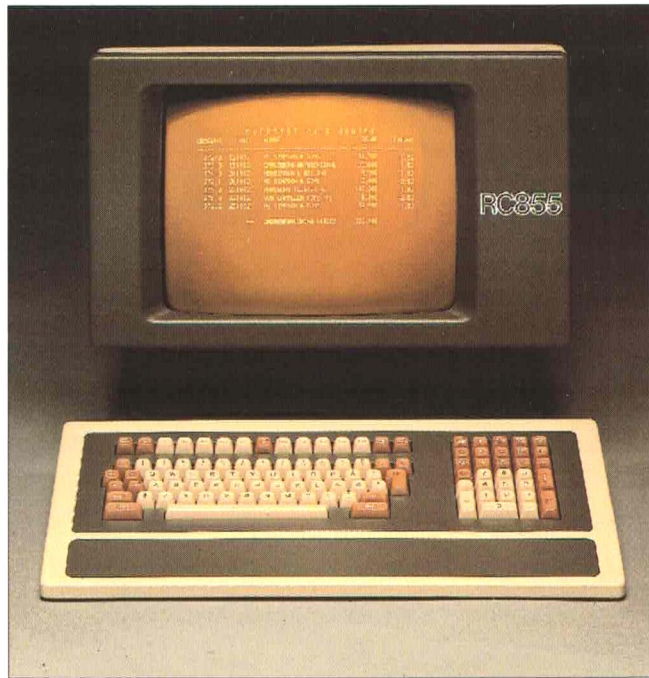


A cluster in its most simple form, with a master running IBM 3270 protocol and a number of slaves. Printers can be connected as required. A terminal without a printer can use the printer of another terminal.

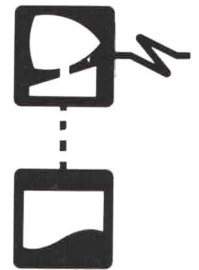
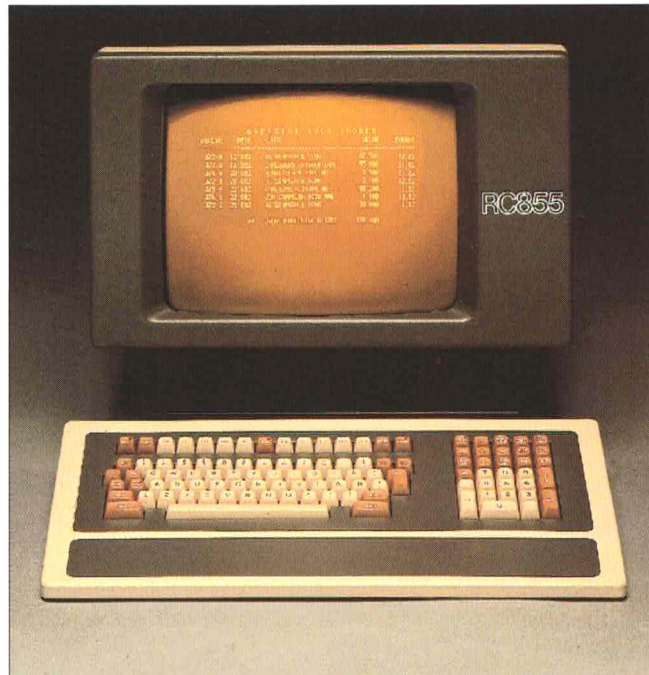
A cluster with a master running IBM 3270 protocol, a number of slaves, and one or more workstations running local data processing or 3270 protocol via the master, or another protocol via its own modem.

The 3-in-one terminal

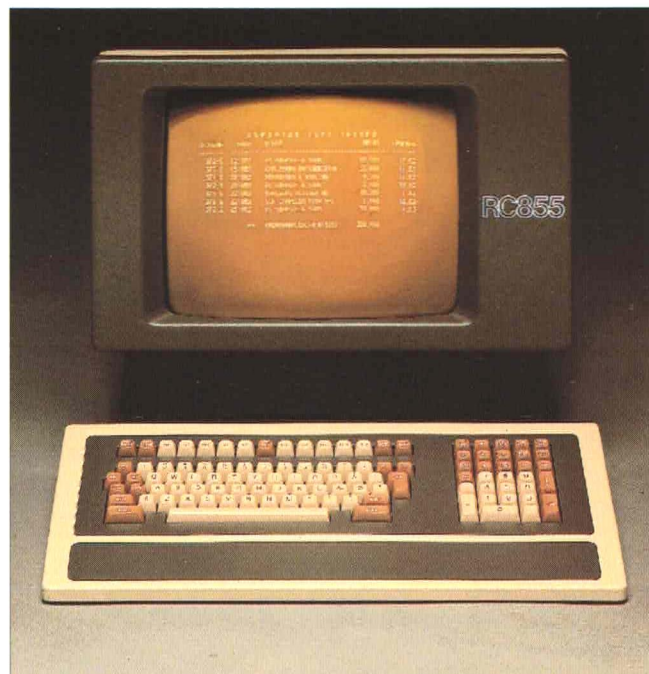
The RC855 terminal is produced in 3 different versions to meet the user's varying needs for complexity, and to help him avoid spending more on a terminal than necessary at a given time. Quality design and ergonomic thoroughness are common to all 3 terminals as well as facilities for connection to a local network and printer.



The workstation is an integrated working place capable of performing remote as well as local data processing. It is always equipped with at least one diskette drive.



The MASTER is the terminal which controls a cluster of other terminals, and ultimately executes communication.



The SLAVE is a terminal connected within a cluster that does not require facilities for stand-alone processing. This is the low cost version of RC855.

DATA COMMUNICATION

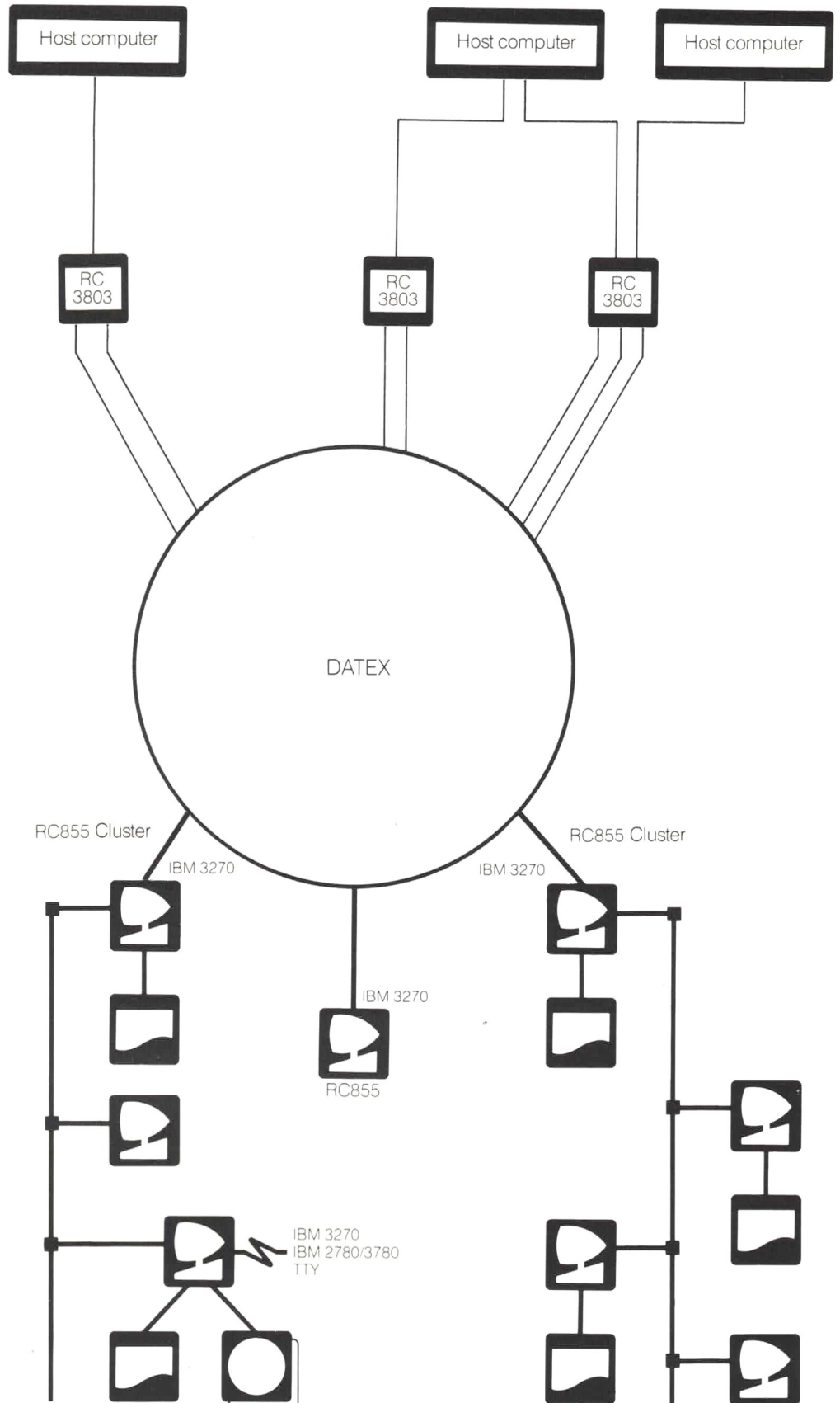
The RC855 was born to communicate. It communicates with IBM, CDC, etc. and of course with RC's own computers. RC855 data exchange can take place via the DATEX net.

RC COMPUTER has had long experience in communicating with different computer makes and can therefore utilize several different communication protocols. The RC855 is a born IBM communication terminal. It is not necessary to attach diskette units in order to run an IBM 3270 protocol. The program for this lies in the terminal itself. The RC855 is also capable of running other communication protocols such as TTY, IBM 2780 and 3780. These qualities make it possible to transmit large amounts of data (batch-transfer).

As part of its IBM 3270 protocol the RC855 has an X.21 facility which allows easy access to the public data network, DATEX.

DATEX CONNECTION

With RC 855 you can use the Datex public network more economically than anyone has ever done before. The terminals are connected to Datex either in clusters or individually, and can communicate with one or more host computers, in concert with RC 3803 Front-End. RC 855 uses Datex with top level efficiency, as the terminal automatically disconnects and reconnects whenever necessary.



Cable connections

The back of the RC855 is not the least interesting part of the terminal because this is where you find the various cable connections.

CIRCUIT

RC's unique local network system, RC-CIRCUIT, is known as the most flexible and low-cost multi-drop network on the market.

PRINTER

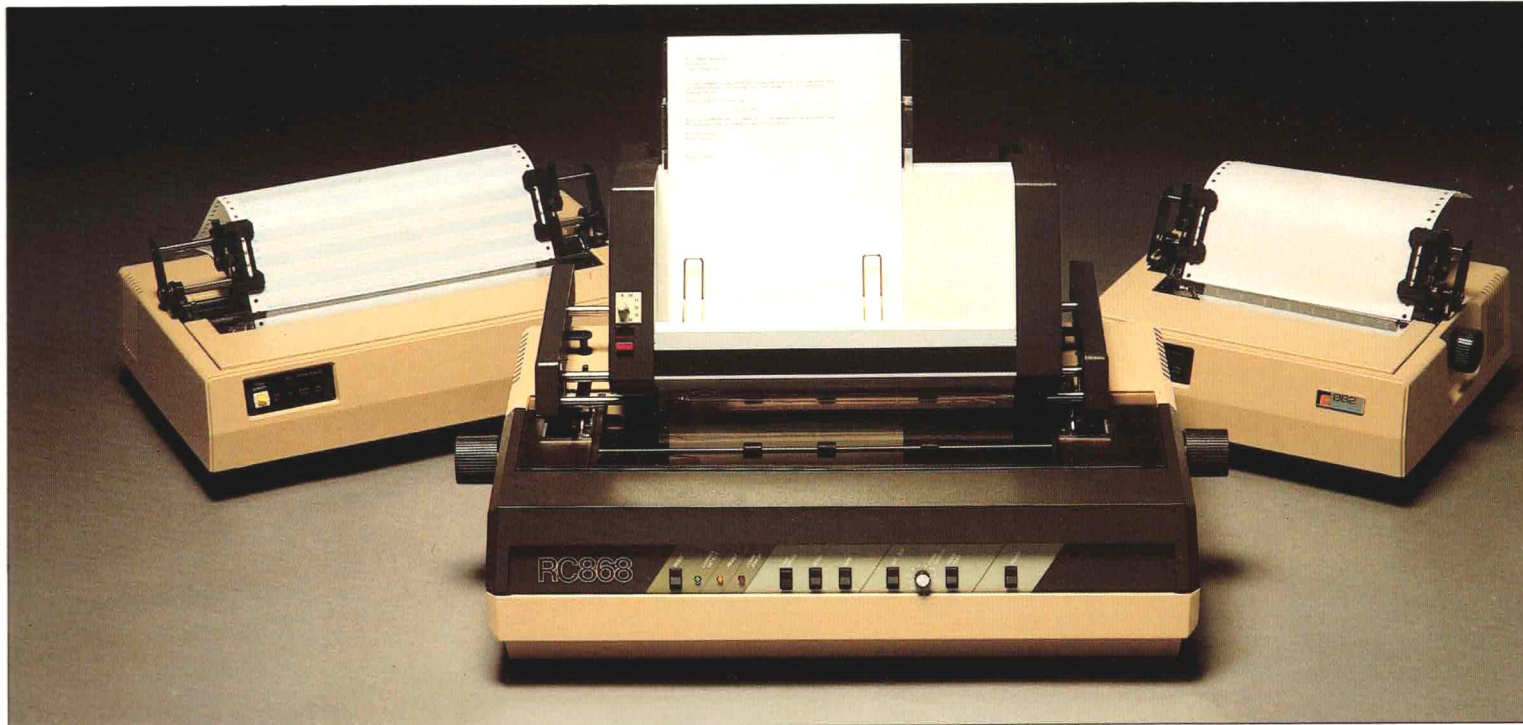
A wide range of printers can be connected to the RC855, ranging from small matrix printers to large letter-quality daisy-wheel printers.

MODEM

A special connection for modems, (LINE 1), allows the RC855 to communicate with one or more host computers via the telephone network or the public data network.

DISKETTE/DISC

Various peripherals can be connected to the RC855 such as diskette drives or hard disc drives (Winchester).



Peripherals

STORAGE DEVICES

Various storage devices can be connected to the RC855, both in the form of diskette drives and hard discs. Either 5 1/4" or 8" diskette drives can be used. The 5 1/4" diskette is double-sided and double-density with 96 TPI, which gives a formatted capacity of 0.72 MB. The 8" diskette can be either single- or double-density, single- or double-sided, which gives a maximum formatted capacity of 1.1 MB per diskette, formatted according to the IBM stan-

dard. The hard disc is a 5 1/4" Winchester disc with an unformatted capacity of 13.3 M bytes.

PRINTERS

RC's type-wheel printer is perfect for word processing documents requiring letter-quality printouts. It prints 55 characters per second with up to 1136 positions per line. Various matrix printers can be connected to the RC855, both small low-cost printers and large printers incorporating more functions. They print up to 250 characters per second and from 80 to 136 positions per line. The matrix printer can use several different print sizes.

Service

RC COMPUTER puts emphasis not only on quality products but also on efficient technical maintenance that quickly and effectively can repair and maintain RC products. Therefore a large maintenance network has been set up with technicians ready for dispatch when needed. Specialized trainers will follow the products to the users to help them become acquainted with their new investment. The users can call upon these instructors for support whenever needed. Please contact your nearest RC representative for further information.

Education

EDP is also a question of education. RC has a large education department in Ballerup. A number of courses are held, dealing with RC's own products but also with more general subjects such as system programming, ergonomics, etc. RC COMPUTER releases a study schedule every 6. th. month, and apart from the courses mentioned in the programme, special courses are arranged for individual customers.



RC COMPUTER

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