

Write into type



The revolutionary way of transfer



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the printer...
The printer...
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contents of the...
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ring your thoughts directly into print



THE MICROWRITER SYSTEM

ystem is a totally new way in which a person
ughts directly into print.

the words into the Microwriter, which is
ery; operated, five-finger machine the size
ed of electronic calculator. The words are stored
iter's memory and when the Microwriter is
a standard high-speed automatic printer, the
ne message are typed, rapidly and error-free,
f letters or memoranda.

which distinguish the Microwriter System from
ern of typewriting or word processing are:

ne fingering of the Microwriter is
o simple that anyone can learn to
use it in under an hour and will be
using it effectively from the first
day.

The Microwriter is operated by the
person who originates the words,
and these are then automatically
transformed directly into perfectly
ed print - without the inter-

...to be handled on a rental basis.

Power Ready Ribbon

‘The Microwriter is...a replacement for every known method of putting thoughts onto paper..’

Newsweek 19th JUNE 1978

In modern business or professional life, a considerable amount of time, and an ever-increasing amount of money, is spent transferring thoughts on to paper – letters, memoranda, articles and reports.

The pressing need is to have this done quickly and cost-efficiently.

Until this century, it could only be done through hand-writing.

With the advent of typewriters, many people have turned to dictating their thoughts to a secretary or to a

dictating machine – for eventual transcription into typewritten form. But there are many business and professional people who still originate some or all of their work through hand-written drafts.

Now the Microwriter makes it possible for you to transfer your thoughts into typewritten form quickly and cost-efficiently – and, remarkably, without the requirement of a typist.



The Microwriter system

1. Microwriter

The Microwriter is a portable, battery-operated, five-finger machine the size of a medium-sized electronic calculator.

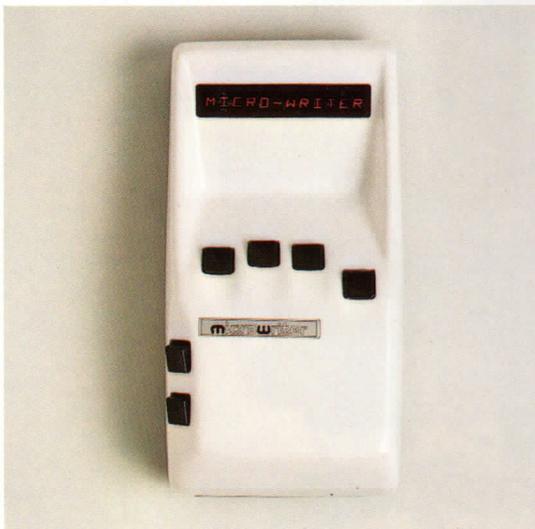
You key the words into the Microwriter, where they are displayed on a lighted panel and stored in the large, built-in electronic memory. You can check the text, correct or edit it, delete or insert words or paragraphs.

The fingering of the Microwriter is so simple that anyone can learn to use it in less than half a day.

2. Automatic Printer

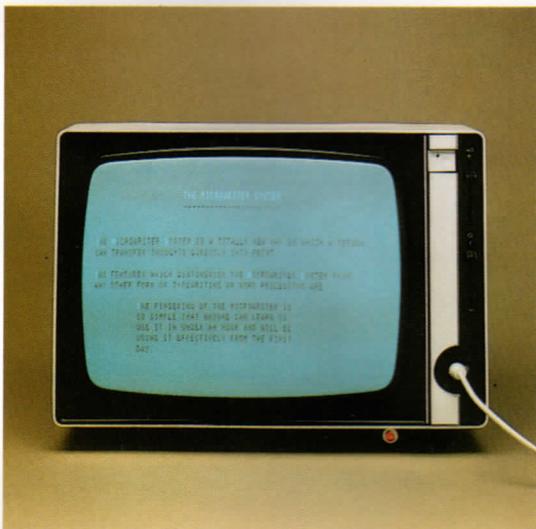
The Microwriter system is supplied with an automatic high-quality, high-speed typing machine. When the Microwriter is plugged into it, the printer produces the output at up to ten times the speed of typing. It comes out, perfectly typed and error-free, in the form of a letter or memorandum, in single or double-spacing.

In normal office use, one printer can handle the output of up to 10 to 15 Microwriters.



3. TV Display

The Microwriter can also be used with a television monitor, which enables the writer to see 16 lines of text at a time, in the precise format in which it will be printed. This makes it easy for you to read through your material, and to correct or edit it.



4. Cassette Storage

A small pocket cassette-recorder makes it possible to transfer the contents of the memory on to a micro-cassette.

This not only provides almost unlimited extra memory space but also means that you can post material back to the office when travelling. And it enables you to keep standard paragraphs or letters on micro-cassettes for future reprinting through the Microwriter.



MICRO-WRITER



‘...could revolutionise the office
to a far greater extent than
word processing...’

COMPUTER WEEKLY 11th MAY 1978

The Microwriter at work...

For the busy executive

The Microwriter has been called “the biggest thing since man discovered the pencil” (in the magazine *Computer Talk*) and even the executive who finds a dictating machine easy to use and has a full-time secretary will find a Microwriter invaluable:

- where the executive works at home, at nights or weekends, and can benefit from having his work typed out as he goes along, on a printer kept at home.
- working on a train or aeroplane or when travelling – if desired, the material can be posted to the office in cassette form.
- where he is writing a speech or report and needs to edit the text and refer to earlier text in the course of writing.
- preparing confidential memoranda – thoughts can be transferred into print without involving another person.



For people on the move

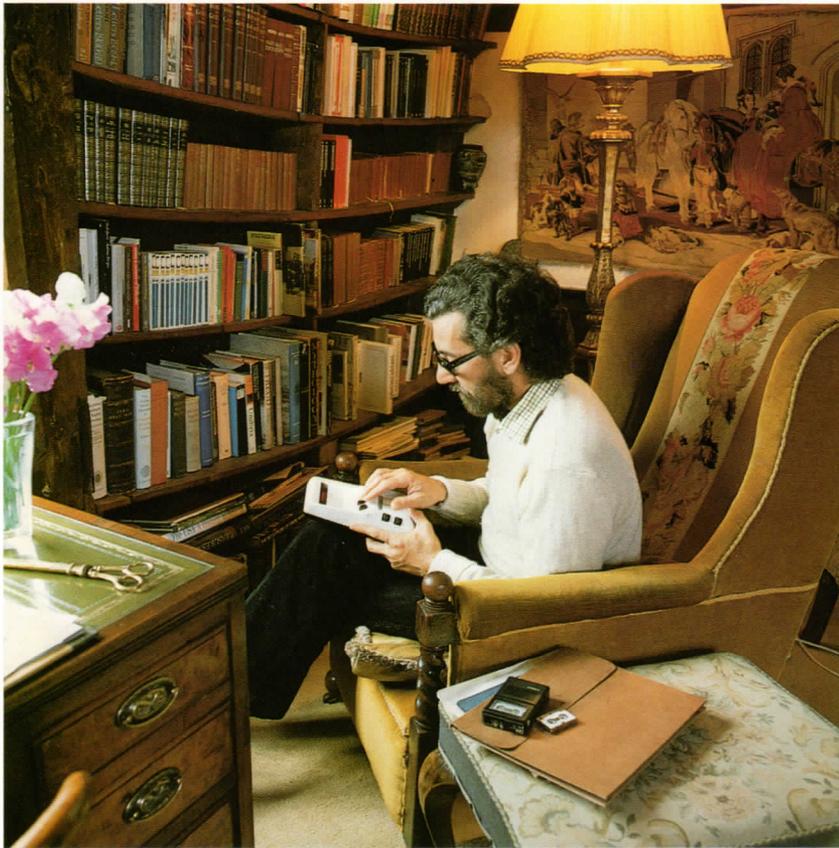
For a person whose job involves moving from place to place, the Microwriter is an ideal way of recording notes of interviews, inspections or orders – or preparing a report as he goes along.

The contents of the memory can

then be printed out on returning to the office. Or the material can be transferred on to a micro-cassette and posted back to the office where it can be printed out.



For authors and journalists



The Microwriter, with the TV display, gives an author or journalist the facility to draft, see paragraphs of text at a time, and edit or correct – and then to print out the material at any time of day or night without secretarial help. It also offers a journalist the benefit of portability. Notes or the final story itself can be keyed in on location or while travelling back to the office and then rapidly printed out as soon as the journalist gets back.



For technical writers

The Microwriter is invaluable where a report or letter includes a significant amount of technical wording. It eliminates the need for reading out (or hand-printing) the spelling of each word. It also eliminates the necessity for careful checking of the typescript

for spelling errors — the writer reads the display as he goes along, and the printer reproduces the text exactly.

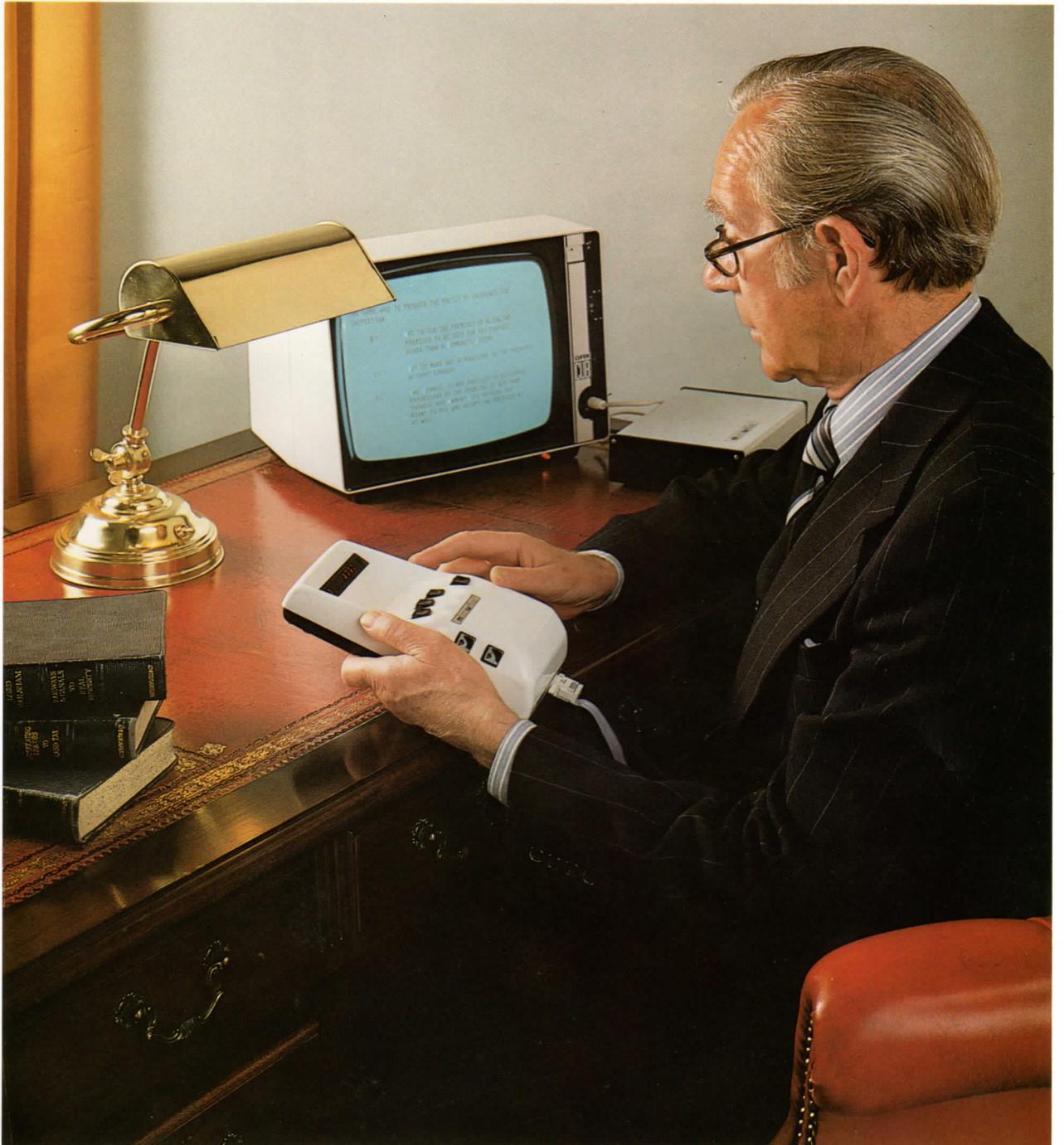
The same advantages apply where the material includes a significant amount of figures, or of words in a foreign language.



For the professional man

Most professional people are involved in detailed drafting of letters, documents or reports requiring meticulous accuracy in the choice of words. The Microwriter, particularly when used with the TV display, enables the user to see paragraphs of text at a time and to edit and correct as he goes along.

As many professional people work outside office hours or at home, portability and the facility to print out without secretarial assistance are invaluable. The Microwriter acts as a true personal word processor, offering the benefits of word processing without an operator.



Relieving the strain on overworked typing pools



In large organisations, a lot of time can be lost waiting for work (from dictation or handwritten drafts) to come back from the typing pool – particularly when there are staff shortages or “peak periods.” And there can be further delays if the work has to be sent back to the pool to correct errors in the typing.

Using a Microwriter, the writer can get his work printed immediately at high speed, and move on to his other work.



Microwriter technical specifications

Keyboard

A 5-finger keyboard (with sixth "control" key) based on a revolutionary learning system offering effective touch-type entry from the first day of use.

Characters

Full alpha-numeric range, including upper and lower case, punctuation and all other normal keyboard symbols.

Controls

The 5-finger-plus-control keyboard gives a wide range of controls which make it possible to read or jump forward or backward, and offers full and instant editing facilities (review, correct, delete, insert words or even paragraphs).

Memory

8,000 character (approx. 1500 words) Random Access Memory. Further storage by micro-cassette.

Display

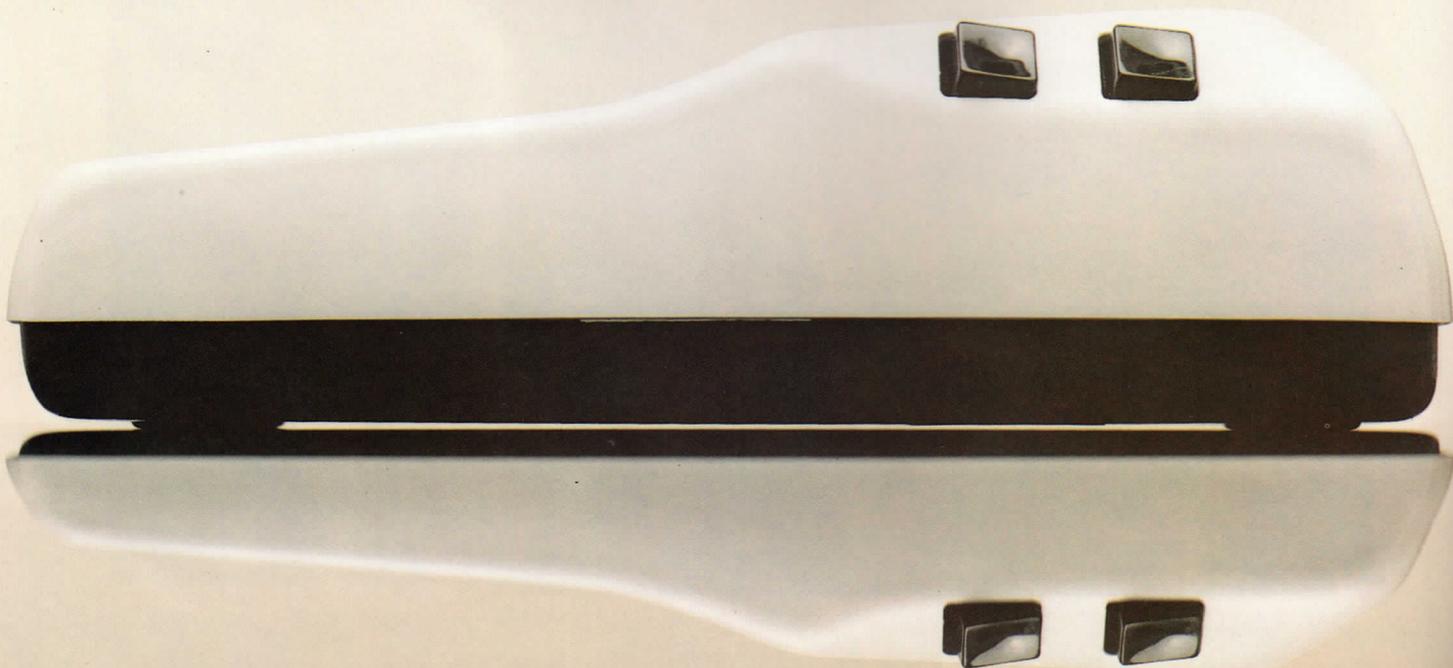
Alpha-numeric L.E.D. with 12 character positions. Text scrolls to left. Optional TV display for 16-line read-out and editing.

Battery

Rechargeable batteries, charger supplied. Automatic battery charge warning.

Dimensions

4" wide, 8½" long, 2¼" deep (max.).
Weight 24 oz.



COMPUTER WEEKLY, May 11, 1978

A hand-held keyboard devised by a "backyard" inventor could revolutionise the office to a far greater

extent than current word processors. RORY JOHNSTON reports on the latest developments

A typewriter in your pocket

the ever-intractable problem of how to transfer has been made by a private inventor in London in keyboard and display that he describes as a "pocket typewriter".

Financial Times Tuesday June 13 1978

Hambro Life will back 'pocket typewriter'

BY ANDREW TAYLOR

ance is to and communicating information, a all of which is vital to the run- business. existing life supply marketing, administrative

HAMBRO provide a pocket-sized invention based in America. Hambro take a corporate field's Wein Hambro he initi mo

Pocket Typewriter

Newsweek, June 19, 1978

When screenwriter Cy Endfield sat down to draft the sequel to his film "Zulu," he threw away his typewriter. Instead, Endfield, of London, England, used a Micro-Writer (photo), a tiny electronic machine that he invented. The Micro-Writer is a potential replacement for typewriters, dictating machines and practically every other known method of putting thoughts onto paper. It is only slightly larger than a pocket calculator and has just five basic keys. Yet, Endfield's Micro-Writer can produce the Roman alphabet, as well as numbers and

punctuation marks, and enables the writer to correct typographical errors or rewrite as easily as can be done on larger word-processing machines.

The Micro-Writer's memory bank has a capacity to store up to eight regulation-size pages of typescript. That information can be transferred to a regular audio-cassette tape for additional storage while the writer continues his manuscript. Whatever is composed on the Micro-Writer can be printed out at more than 500 words per minute when the machine is hooked up to an automatic electric typewriter.

A person can learn to use the Micro-Writer in a surprisingly short time; on the average, it takes only half an hour to learn the combinations of buttons to push to form the letters, numbers and punctuation marks. The simple keyboard code is based on positioning the fingers of one hand to simulate the shape of a character or part of it. The letter "I," for instance, is formed by pressing the buttons under the thumb and index finger to resemble the vertical stroke. The writing appears on a small display screen and scrolls from right to left as more characters are added. With modification, the Micro-Writer could also be used as a writing machine for the blind or as a portable computer terminal that will transmit and receive a wide variety of information over telephone lines from remote locations.



The Daily Telegraph, Tuesday, May 23, 1978

Director invents pocket typewriter

IAN BERRY, Science Correspondent

World's first pocket typewriter has been announced. The model of the machine, shown yesterday, looks like a pocket calculator and works on an ingenious principle which can be mastered in half an hour.

Cy Endfield who directed the 1964 film "Zulu," and who is now in London, has been working on his machine for the last five years. It has had an enthusiastic reception from officials in two Whitehall departments.

Unlike mechanical and electronic typewriters, this compact machine has only five prominently used keys on which the typist places the five fingers of his or her right hand. The desired text appears on a small display screen and scrolls from right to left as more characters are added. But unlike in a calculator, the display of a character is provided by the operation of a code.

The Microwriter System is manufactured and distributed by **Microwriter Limited**, which is jointly owned by Hambro Life Assurance Limited, Britain's largest unit-linked insurance company and Mr. Cy Endfield, the inventor of the Microwriter.

microwriter

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