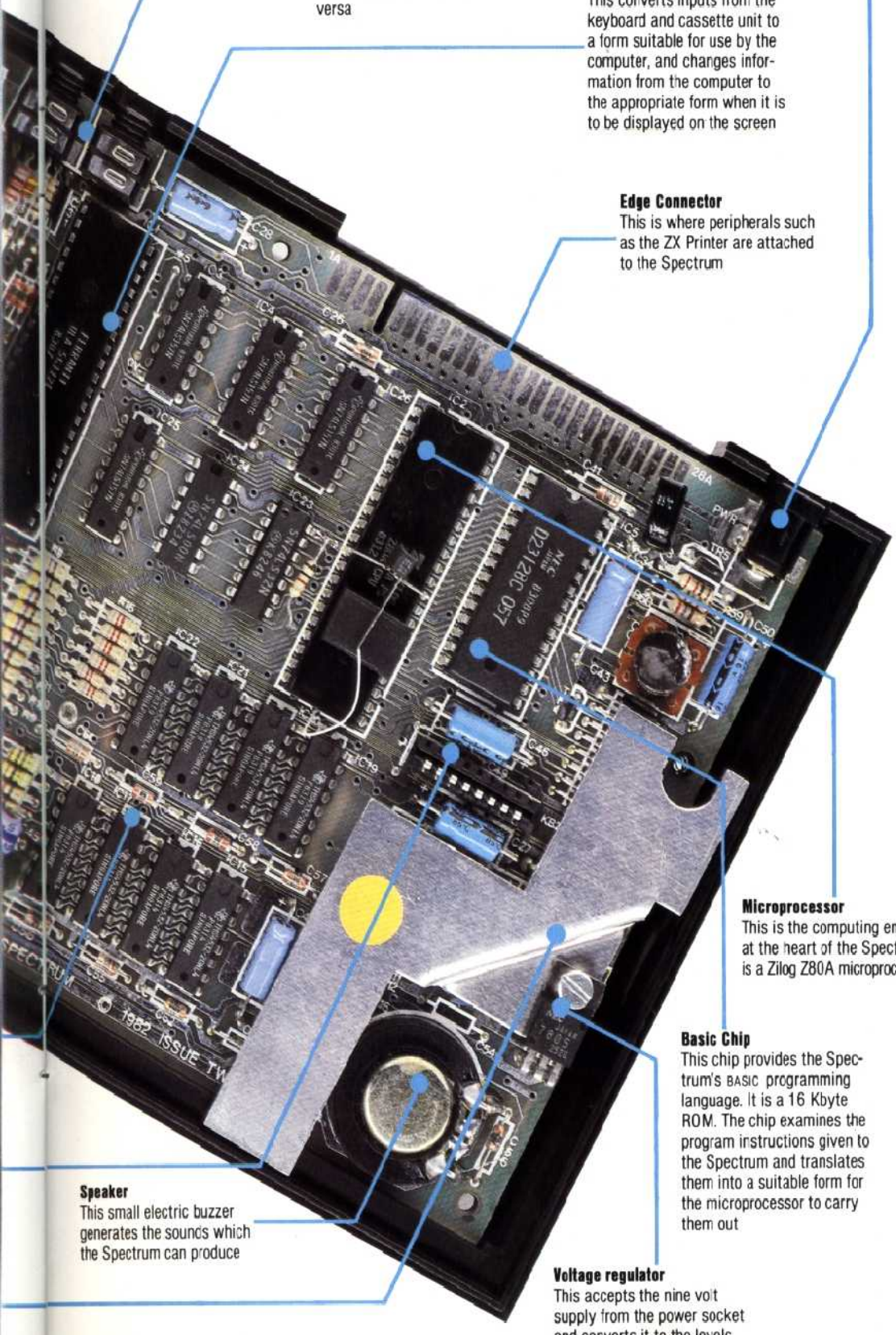

Modulator
This takes the colour signal from the video chip and converts it to a signal of the same type as that broadcast to the aerial of a television set to produce its display

Ear and Microphone Sockets
These sockets are for use with a cassette recorder to transfer information to the computer from a cassette and vice versa

Input/Output Chip
This converts inputs from the keyboard and cassette unit to a form suitable for use by the computer, and changes information from the computer to the appropriate form when it is to be displayed on the screen

Edge Connector
This is where peripherals such as the ZX Printer are attached to the Spectrum

Power Socket
This is where the nine volt power supply from the Spectrum's power supply unit is connected to the computer

Microprocessor
This is the computing engine at the heart of the Spectrum. It is a Zilog Z80A microprocessor

Basic Chip
This chip provides the Spectrum's BASIC programming language. It is a 16 Kbyte ROM. The chip examines the program instructions given to the Spectrum and translates them into a suitable form for the microprocessor to carry them out

Speaker
This small electric buzzer generates the sounds which the Spectrum can produce

Voltage regulator
This accepts the nine volt supply from the power socket and converts it to the levels needed by the various electronic components in the Spectrum

SINCLAIR SPECTRUM

PRICE
£99.95 for 16K model

SIZE
232 x 144 x 30mm

WEIGHT
552g

CPU
Z80A

CLOCK SPEED
3.5MHz

MEMORY
16 Kbytes of RAM expandable to 48 Kbytes. 16 Kbyte ROM containing BASIC

VIDEO DISPLAY
24 lines with 32 character positions, or 192 x 256 dots for high resolution graphics. Both modes have 8 colours

INTERFACES
TV connector, cassette connector (no remote control), 28-pin edge connector for connecting peripherals

LANGUAGE SUPPLIED
BASIC

OTHER LANGUAGES AVAILABLE
FORTH, PASCAL, LISP, LOGO, PROLOG

COMES WITH
Power supply unit (but no plug), aerial lead, cassette leads, demonstration cassette, 2 manuals

KEYBOARD
40 moving keys all on a single rubber sheet

DOCUMENTATION
The Spectrum comes with a thin introductory manual on setting up the machine and a more substantial manual on BASIC programming. The latter begins with a tour of the keyboard that really needs to be more detailed to describe to the beginner how the various shift keys are used. The chapters on BASIC programming demonstrate the Spectrum's capabilities with numerous examples of individual commands and a number of short programs.

A series of appendices provides a fairly complete reference guide to the Spectrum and its BASIC. The manuals are well produced and give a complete coverage, respectively, of how to set up the Spectrum and of the machine's capabilities