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Eighth Edition
ALAN FREEDMAN

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The Complete Illustrated Dictionary

Eighth Edition

Alan Freedman

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that the publisher is not engaged in rendering legal,
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services of a competent professional person should
be sought.

HSSI

(High-Speed Serial Interface) A standard for a serial connection with transmission rates up to 52 Mbps. It is often used to connect to T3 lines.

HST

A modem protocol from U.S. Robotics that includes error control and compression and transmits from 4800 to 14400 bps in one direction and from 300 to 400 bps in the other. HST was the first reliable, high-speed modem protocol before the V.32bis and V.42 standards became widely used.

HSV

(Hue Saturation Value) A color model that is similar to the way an artist mixes colors by adding white and black to pure pigments. HSV adds saturation (white) and value, or brightness, (black) to colors in order to derive new colors.

HTML

(HyperText Markup Language) The document format used on the World Wide Web. Web pages are built with HTML tags, or codes, embedded in the text. HTML defines the page layout, fonts and graphic elements as well as the hypertext links to other documents on the Web. Each link contains the URL, or address, of a Web page residing on the same server or any server worldwide, hence "World Wide" Web.

HTTP

(HyperText Transport Protocol) The communications protocol used to connect to servers on the World Wide Web. Its primary function is to establish a connection with a Web server and transmit HTML pages to the client browser. Addresses of Web sites begin with an http:// prefix; however, Web browsers typically default to the HTTP protocol. For example, typing www.yahoo.com is the same as typing http://www.yahoo.com.

HTTPS

(1) (HyperText Transport Protocol Secure) The protocol for accessing a secure Web server. Using HTTPS in the URL instead of HTTP connects the message to a security protocol. See *security protocol.*

(2) (HyperText Transport Protocol Server) A Web server that runs under Windows NT, developed by the European Microsoft Windows Academic Centre.

hub

A central connecting device in a network that joins communications lines together in a star configuration. Passive hubs are connecting units that add nothing to the data passing through them. Active hubs, also called *multiport repeaters*, regenerate the data bits in order to maintain a strong signal, and intelligent hubs provide added functionality.

hub ring

A flat ring pressed around the hole in a 5.25" floppy disk for rigidity. The drive's clamping ring presses the hub ring onto the spindle.

hue

In computer graphics, a particular shade or tint of a given color.

Huffman coding

A statistical compression method that converts characters into variable length bit strings. Most-frequently-ocurring characters are converted to shortest bit strings; least frequent, the longest. Compression takes two passes. The first pass analyzes a block of data and creates a tree model based on its contents. The second pass compresses the data via the model. Decompression decodes the variable length strings via the tree. See *LZW.*

hybrid circuit

See *hybrid microcircuit.*

hybrid computer

A digital computer that processes analog signals which have been converted into digital form. It is used in process control and robotics.