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work, which has processing power, so that functions such as diagnostics can be incorporated.

dumb terminal A computer input/output device which incorporates a video adapter, monitor, keyboard, and usually a mouse. Such a terminal has no processing capability, and is used in networks. This contrasts with an **intelligent terminal**, which does have processing capability.

dummy 1. A non-operational component, device, or piece of equipment which can be connected or installed as if it were a working component, device, or piece of equipment. Used, for instance, for testing, or to fulfill a requirement. 2. In computers, a character, variable, instruction, address, or the like, which serves as a placeholder. It does nothing more than reserve a space until the intended item replaces it, or to fulfill a requirement.

dummy antenna A device which simulates the electrical characteristics of an antenna, but which dissipates its input as heat instead of radiating RF energy. It provides a nonradiating load for a transmitter, and is used primarily for testing and adjusting. Also called **artificial antenna**.

dummy component A non-operational component which can be connected or installed as if it were a working component. Used, for instance, for testing, or to fulfill a requirement.

dummy device A non-operational device which can be connected or installed as if it were a working device. Used, for instance, for testing, or to fulfill a requirement.

dummy instruction A computer instruction which produces no action. It simply serves to cause the processor to utilize a clock cycle, or to proceed to the next instruction. Used, for instance, to complete a very long instruction word. Also called **do-nothing instruction**, or **no-operation instruction**.

dummy load A device which simulates a transmission line load, such as that of a speaker or antenna. Used primarily for testing and adjusting. Also called **artificial load**.

dump Also called **storage dump**. 1. To display, print, copy, or transfer the content of a computer memory or storage device, with little or no formatting. 2. To display, print, copy, or transfer the content of the main memory of a computer. Such a dump may be performed after a process which ends abnormally, for instance, to help pinpoint the source of a problem. A dump may also be generated automatically. Also called **memory dump**, or **core dump**.

dump power Generated electric power which exceeds that which can be utilized, conserved, or stored.

dumping The occurrence of a **dump**.

dumping resistor 1. A resistor utilized to discharge a capacitor to help insure the safety of personnel. 2. A resistor connected across a voltage source to drain off the charge remaining in capacitors when the power is turned off, while also improving voltage regulation. Also called **bleeder resistor**.

DUN Abbreviation of **dial-up network**.

duodiode Same as **double diode**.

duotriode Same as **double triode**.

duplex 1. Consisting of two parts or elements, especially those which work together. 2. Two-way communication which occurs simultaneously in both directions. Also called **duplex communication** (1), **full-duplex**, or **two-way communication** (2). 3. Two-way communication in which communication can only occur one direction at a time. Also called **duplex communication** (2), **half-duplex**, or **two-way communication** (3).

duplex cable 1. A cable consisting of a twisted-pair of wires. 2. A fiber-optic cable containing two optical fibers.

duplex channel 1. A communications channel utilized for **duplex** (2). Also known as **full-duplex channel**. 2. A

communications channel utilized for **duplex** (3). Also known as **half-duplex channel**.

duplex circuit 1. A communications circuit enabled for **duplex** (2). Also known as **full-duplex circuit**. 2. A communications circuit enabled for **duplex** (3). Also known as **half-duplex circuit**.

duplex communication 1. Same as **duplex** (2). 2. Same as **duplex** (3).

duplex operation Also called **duplexing** (1). 1. The operation of a communications channel utilized for **duplex** (2). 2. The operation of a communications channel utilized for **duplex** (3).

duplex system 1. A communications system utilized for **duplex** (2). Also called **full-duplex system**. 2. A communications system utilized for **duplex** (3). Also called **half-duplex system**.

duplex transmission 1. Two-way communication in which there are simultaneous transmissions in both directions. Also called **full-duplex transmission**. 2. Two-way communication in which there are transmissions in only one direction at a time. Also called **half-duplex transmission**.

duplexed system Two systems, such as computers, which work identically. For instance, one may be used if the other fails.

duplexer A device which enables a single antenna to be used to transmit and receive simultaneously or alternately. Used, for example, in radar. Also called **antenna duplexer**.

duplexing 1. Same as **duplex operation**. 2. The use of a **duplexing assembly**.

duplexing assembly A switch that enables a single antenna to be used to transmit and receive simultaneously or alternately. This switch can be manual or automatic, and may be in the form of a circuit, tube, or device. Used, for example, in radar. Also called **transmit-receive switch**.

duplication check In computers, the verification of a result by computing it twice, each time utilizing a different method.

duration control In a sensitivity-time control circuit, the controlling of the duration of the reduced gain.

Duron A popular family of CPU chips.

Dushman equation A fundamental equation for describing the thermionic emission of electrons from the surface of a metal which is heated to high temperatures. Also called **Richardson-Dushman equation**.

dust chamber A dust-collecting chamber in a **dust precipitator**. Also called **dust collector**.

dust collector Same as **dust chamber**.

dust core A magnetic core made from powdered material. The particles are mixed with an appropriate binder, and the core is formed through applied pressure. When said powdered material is ferrite, also called **ferrite core**, or **powdered-iron core**.

dust-ignition-proof motor A motor whose housing is dust-proof, thus eliminating the possibility of dust igniting inside the motor.

dust precipitator A device which removes dusts present in gases, such as air, by precipitating them in a chamber containing high-voltage wires or grids. The gas is forced through the chamber, and the wires or grids ionize the dust particles, which in turn makes them migrate to the walls of said chamber. Also called **electrostatic precipitator**, **precipitator**, **electronic air cleaner**, or **electronic precipitator**.

dust-proof Also spelled **dustproof**. Also called **dust-tight**. 1. Impervious to dust. 2. Protected in a manner which does not allow dust to enter an enclosure.

dust-tight Same as **dust-proof**.

dustproof Same as **dust-proof**.