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General Editor:

Professor Peter M. B. Walker, CBE, FRSE

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arsenious acid (Chem-). Solution of arsenious oxide, See

arsenites (Chem.). Arsenates (III). Salts of arsenious

arseniuretted hydrogen (Chem.). See arsine

arsenolite (Min.). Arsenic oxide, a decomposition prod-uct of arsenical ores; occurring commonly as a white incrustation, rarely as octahedral crystals. arsenopyrite (Min.). Sulphide of iron and arsenic; the chief ore of arsenic. Also known as mispickel.

arsine (Chem.), AsH₃. Arsenic (III) hydride. Produced by the action of nascent hydrogen upon solutions of the element, or by the action of dilute sulphuric acid upon sodium or zine arsenide. Very poisonous. Also called arsenuretted hydrogen. Arsines are organic derivatives of AsH₃ in which one or more hydrogen atoms is replaced by an alkyl radical; other hydrogen atoms may also be

by an alkyl radical; other hydrogen atoms may also be replaced by halogen, etc.

Art Deco (Arch.). A style of design which took its name from the Exposition des Arts Decoratif, an international trade fair held in Paris in 1925. In the 1920s the style was characterized by curvilinear shapes and by stylized human and animal forms, but by the 1930s a commitment to industrial technology dictated shapes which tended to lend themselves to methods of mass production; hence the sleek, angular, linear forms in stainless steel, aluminium, chromed metals and colourful glazed steel, aluminium, chromed metals and colourful glazed siles and plastics. Architects saw Art Deco as an alternative to the unadorned glass, concrete and steel structures of contemporary architectural design, and motifs, often reminiscent of Egyptian art forms, were employed structurally and as surface decoration.

artefact (Zool.). Any apparent structure which does not represent part of the actual specimen, but is due to faulty

artefact, artifact (Genrl.). A simple man-made stone,

wood or metal implement.

arterial drainage (Build.). A system of drainage in which arterial drainage (Build.). the flow from a number of branch drains is led into one

main channel. (Zool.). That part of the vascular system which carries the blood from the heart to the body. arteriography (Radiol.). The radiological examination of arteries following direct injection of a contrast medium. e.g. coronary arteriography, renal arteriography, carotid arteriography.

arteriole (Zool.). A small artery arterioe (Zon.). A small artery arterioeclorosis (Med.). Hardening or stiffening of the arteries due to thickening and loss of elasticity of arterial walls. Commonly but incorrectly used to imply athero-

arteritis (Med.). Inflammation of an artery, artery (Zool.). One of the vessels of the vascular system, that conveys the blood from the heart to the body, adj.

Artesian well (Civ.Eng.). A well sunk into a permeable stratum which has impervious strata above and below it, and which outcrops at places higher than the place where the well is sunk, so that the hydrostatic pressure of the water in the permeable stratum is alone sufficient to force the water up out of the well. Named from Artois (France).

arthralgia (Med.). Pain in a joint. arthrectomy (Med.). Excision of a joint.

arthritic (Zool.). Pertaining to the joints: situated near a

arthritis (Med.). Inflammation of a joint. arthrodosis (Med.). The surgical immobilization of a joint by fusion of the joint surfaces.

arthrodia (Zool.). A joint.
arthrodial membranes (Zool.). In Arthropoda, flexible membranes connecting adjacent body scienties and adjacent limb joints, and occurring also at the articula-

tion of the appendages.
arthrography (Radiol.). The radiological examination of a joint eavity after direct injection of air or other centrast

Arthrophyta (Bot.). Division of the plant kingdom, the

horsetails and allies, here treated as the class Spheno-

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Arthropoda (Zeel.). A phylum of metameric animals having jointed appendages (some of which are specialized for mustication) and a well-developed head; there is usually a hard chitinous exoskeleton; the coelom is restricted, the perivisceral cavity being haemocoelic. Centipedes, Millipedes, Insects, Crabs, Lobsters, Shrimps, Spiders, Scorpions, Miles, Ticks, etc.

arthrospore (Bal.). Spore resulting from hyphal fragmen-

arthrotomy (Med.). Surgical incision into a joint. Arthus reaction (Immun.). A type III allergic reaction named after the person who first described it.

named after the person who first described it.

articular(e) (Zool.). Pertaining to, or situated at, or near, a joint. In Vertebrates, a small cartilage at the angle of the mandible, derived from the Meckelian, and articulating with the quadrate forming the lower half of the jaw hinge pl. articularia.

articulated (Bot.). Jointed or segmented; divided into

portions that may easily be separated, arriculated blade (Acros.). A rotocraft blade which is mounted on one or more hinges to permit flapping and

movement about the drag axis.

articulation (Arch.): The means by which an architect gives definition to the individual elements of a building. articulation (Eng.). The connection of 2 parts in such a way (usually by a pin joint) as to permit relative

articulation (Teleconum.), Percentage of specified speech components (usually togatoms) received over a communication system; may be (a)word: percentage of words correctly received; (b)syllable: percentage number of meaningless syllables correctly recognized; (c)counds percentage number of fundamental speech-sounds (conyowel, initial or final consonant) correctly sonant,

articulation (Zool.). The movable or immovable connection between 2 or more bones

artifact (Biol., Radiol.). An error in an image which has no

counterpart in reality.
artificial ageing (Eng.). See temper-hardening,
artificial antenna (Telecomina), Combination of resisartificial antenna (Telecomina), Combination of resistances, capacitances, and inductances with the same characteristics as an antenna except that it does not radiate energy. It is used in place of the normal antenna for purposes such as repair and checking of a transmitter, or for re-tuning of the transmitter onto a different

frequency. Also durany antenna, phantom antenna, artificial classification (Bot. Zool.). A classification based on one or a few arbitrarily chosen characters, and giving no attention to the natural relationships of the organism the old grouping of plants into trees, shrubs, and herbs was an artificial classification.

artificial community (Bot.). A plant community kept in

existence by artificial means; e.g., a garden habitat or a

artificial daylight (Phys.). Artificial light having approxi-

artificial daylight (Phys.). Artificial fight having approximately the same spectral distribution curve as daylightice, having a colour temperature of about 4000 K. artificial disintegration (Phys.). The transmutation of nonradioactive substances brought about by the bombardment of the nuclei of their atoms by high-velocity particles, such as \(\alpha \)-particles, protons, or neutrons.

particles, such as α-particles, protons, or neutrons.

artificial ear (Acous.). Device for testing earphones which presents an acoustic impedance similar to the human car and includes facilities for measuring the sound pressure produced at the acoustic interest of the sound pressure produced at the acoustic state.

produced at the ear.

artificial earth (Teleconon.). See counterpoise,
artificial teel (Aero.). In an aircraft flying control system,
especially with automatic control of flying surface, in
which the pilot's control actions are modified to provide
which the pilot's control actions are modified to provide forces moving the flying controls, a natural feel, opper the pilot's actions, is fed back from the controls. S

the priors actions, is fed back from the controls. Since $(q = \{q^2\})$ artificial feel is sometimes known as q -feel artificial flags (Build | Secondary Roberts Secondary Laborators). artificial flags (Build.). See concrete paying slabs. artificial horizon (Aero.). See gyro horizon.

