

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Astronomia. - Le planeta Mercurio - secundo le these traditional - se revolve circum su axe in precise mente le intervallo in que illo se revolve circum le sol. In altere parolas, secundo ille these Mercurio se comporta verso le sol como nostre luna se comporta verso le terra. Nove observationes per radar e nove calculationes a base de previe observationes optic ha recentemente resultate in le demonstration que ille these es incorrecte. Mercurio se revolve circum su axe (secundo le nove conception) in un periodo equivalente a 58,6 dies terrestre, i.e., in precise mente duo tertios (e non tres tertios) del intervallo in que illo completa su revolution circum le sol. Nota: durante que le die e le anno in nostre vita terrestre es magnitudes mutualmente independente, le die e le anno de Mercurio es interrelationate in lor durationes per le mathematicamente precise proportion duo a tres.

Pro information in re Interlingua e su utilisation practic como etiam su bases theoretic, adressar se per favor a: Science Service, Division de Interlingua / 80 East Eleventh Street / New York, N.Y 10003 / U.S.A.

Chimia. - Dr. W. A. Hoffman del Universitate Denison (in Ohio) utilisava technicas chromatographic in le analyse chimic del pigmentos usate in ancian obras de arte. Ille spera establir standards pro artistas e gruppos de artistas, permittente un differentiation absolute mente fidel inter imitatio-

nes e originales. Un facto que rende iste methodo de differentiation chimic non solmente plus complicate sed etiam plus interessante es que le structuras chimic de pigmentos se cambia in le curso del seculos per varie e diverse processos de restructuration.

Chirurgia Cardiac. - Es estimate que 10000 homines e feminas vive a iste momento gratias al facto que un o duo o le complete triade de lor valvulas cardiac esseva chirurgicamente reimplaciate per prostheses artificial. Inter 800 e 1000 prosthetic valvulas cardiac es implantate omne mense. Le firma Laboratorio Lowell Edwards de Santa Ana in California ha producite usque nunc un total de 24000 valvulas cardiac artificial. Le costo medie de un tal prothese pro le patiente es \$225.

Geologia. - Le theoria del "displaciamento continental" - i.e., le theoria que le parallelismo inter le curvas de Africa e de Sud-America (e simile altere parallelismos) significa que le continentes tal como nos los cognosce es dispergite fragmentos de un unic bloco original, es currentemente restudiate e retestate in un projecto in que le Laboratorio de Geochronologia del Universitate Sao Paulo in Brasil ha le cooperation de plure institutos e organisationes statounitese. Le projecto labora con methodos de datation de roccas a base de observationes de elementos radioactive. Le theoria del unic supercontinente original requirerea per exemplo que le roccas al costas west-african e est-sud-american es compatibile in lor etates.

Materiales. - Le polymerisation de plasticos per irradiation (con le uso, per exemplo, de cobalt-60), pote esser effectuate post que le plastic in stato liquide e monomeric ha essite infiltrate ad in ligno. Le resultante material ha le beltate de ligno sed le duressa e durabilitate de plastic. Un technica pro le production de tal plasticos-ligno o lignos-plastic esseva perfectionate al Universitate West Virginia. Illo ha trovate un intense interesse del parte de statounitese fabricantes de objectos de ligno.

Recercas de Cancere. - In le tractamento de cancro (viste le tendencia del malignitates includite sub ille termino, de recurrer in despecto del apparentia de un remission complete), le facto que un patiente emerge ab le curso therapeutic in stato de satisfacente sanitate non justifica per se le assertion que le patiente es curate. Pro objectivos statistic on riguarda como "curate" patientes cancerose qui vive sin recurrentia de lor morbo durante cinque annos a partir del conclusion del tractamento. In iste senso il existe in le Statos Unite plus que duo milliones curate ex-patientes de cancro. Le numero del casos de curation post cancro que esseva addite al total in le curso del anno passate esseva - secundo un reporto del Societate American Contra le Cancere - plus alte que in ulle previe anno.

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