

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Astrophysica.—Dr. H. D. Babcock del observatorios Mt. Wilson e Palomar in California reporta un reversion del polaritate del campo magnetic del sol. Isto, previemente orientate in direction opposite al campo magnetic del terra, nunc es parallel a illo. Le reversion occurreva in 1957 al polo sud del sol e un anno plus tarde al polo nord. In le interim le duo polos habeva le mesme signo. Le campo magnetic solar es debile in comparison con illo del terra. Le fortias intrasolar que poteva causar un tal reversion non es cognoscite.

Economia.—Esseva estimate per Dr. H. S. Brown del Instituto Technologic de California que circa 100 annos de activate e productivitate in omne minas e fabricas del mundo es necessari pro establir pro omne humanos in omne pais del mundo le standards de ben-esser material que existe in nostre dies in le pais del Occidente.

Selenographia.—Le Servicio Cartographic del Arma Statounitese, in cooperation con le Servicio Geologic del Statos Unite, ha in preparation le prime carta topographic del luna. Omne existente cartas es planimetric, i.e., illos reflecte nulle differentias de elevation superficial. Le nove carta va esser basate super photographias contribuite per dozenas de observatorios in omne partes del mundo. Le objective es comparar e coordinar plure photographias del mesme loco lunar, prendite con varie angulos de observation e in varia statos de libration lunar. Le libration del luna es su oscillation periodic, gratias al qual circa 10 pro cento plus que le exacte medietate de su superficie appare in nostre campo de vision.

Astronautica.—Al Universitate Minnesota e etiam al Universitate Alaska, repetite observations in le curso del passate annos ha demonstrate que durante periodos de grande activitate solar le sol emana un radiation ionisante de 10.000 vices su nivello normal. Durante tal periodos, que dura frequentemente un septimana o plus, un exposition de solmente 30 minutas essera mortal pro un medietate del individuos recipiente lo. Iste constatacion adde enormemente al problemas del astronautica. Le provision de un armatura anti-irradiatori es un solution obvie sed non facile a effectuar.

Communication International.—Le polonese periodico medical "Haematologica Polonica," redigite a Cracovia per le ben-cognoscite hematologo Dr. Julian Aleksandrowicz, ha comenciate publicar summarios in interlingua de omne su articulos original. Le articulos in iste jornal, que es scribite predominantemente in polonese, deveni assi accessibile al numerose medicos in omne partes del mundo qui non sape leger le texto original.

Recercas de Cancere.—Dr. G. Dean de Sud-Africa reporta que le mortalitate ab cancro pulmonar inter immigrantes britannic qui ha arrivare in ille pais a etates de inter 45 e 64 annos es 44 pro cento plus alte que inter residentes local de etate e racia comparabile. Iste constatacion es sorprendente proque le sud-africanos adulte mascule, con lor consumption medie de cigarretas de circa 24 per capite per die, es cognoscite inter le plus forte fumadores del mundo. Le investigationes de Dr. Dean ha constatare nulle significative differentias inter le cigarretas fumate in Anglaterra e in Sud-Africa. Le resultados del studio pare incriminar le pollution del atmosfera plus tosto que le habitude del fumar in le causation de cancro pulmonar. Etiam in Sud-Africa iste flagello del humanitate cresce rapidamente in importantia, sed super toto in le centros urban.

Hygiene Public.—In le Statos Unite le expensas pro assistentia medical se ha sextuplicate depost 1929. Si on prende in consideration le crescimento del population e le devaluation del moneta, le disbursamentos medical in 1958 se monstra 100 pro cento plus alte que 30 annos retro. In 1958 le "factura medical" del Statos Unite esseva 22,7 milliardos dollars.

Astronomia.—Astronomos american es plen de admiration pro le grande successo del russos qui ha producite un photographia del altere latere del luna. Tamen, le americanos non es preste a admitte que le absentia relative de crateres e mares in ille photographia es un correcte reflexion del situation real. Si tecnicamente plus perfecte photographias futur provarea de facto que le altere latere del luna es minus accidentate que le latere tornate verso le terra, le effecto essera que nulle del currente theorias relative al origine del crateres e mares lunar pote esser mantente. Si on crede que le impacto de meteoros ha create le accidentation del luna o si on crede que il se tracta del effecto de activitate vulcanic, il non es possibile vider proque le duo lateres del luna essera afficte dberentemente.

Curiositate.—Quando al base Holloman del Statounitese Fortias Aeree aves se sede super le rails usate in experimentos con rochetts, illos face nulle effortio a salvar se ante le approche del rochetts. Illos non los audi, proque le rochetts viagia a velocitates super-sonic. Plus estranie ancora, il es non solmente le aves que suffre in le resultante collisiones. Grande rupturas es non infrequentemente producite in le vehiculos del rochetts. On tenta solver le problema per le creation de un continue cortina de sonos que es desagradable al aures del aves.

Energia Atomic.—Es sub construction in Russia duo fabricas de electricitate que essera activate per energia atomic. Ambes va producer 200.000 kilowatts. Simile fabricas es sub construction in Checoslovachia e Yugoslavia. Il pare que le russos, in lor effortios in iste campo, incontra le mesme problemas como le americanos. Le plus grande obstaculo in le disveloppamento del uso de energia atomic in le generation de electricitate es de natura economic. Le methodo non es (o plus tosto: illo es non ancora) capace a competir con le costo del production conventional de electricitate. Le Statos Unite ha un fabrica que produce 5.000 kilowatts. Un secunde produce 65.000 kilowatts ben que illo es capace a producer 100.000, e (con certe alterationes) mesmo 150.000. In un tertie fabrica, le reactor ha recentemente attingite le stato critic. In 1960 illo va producer 180.000 kilowatts.

Nomenclatura Scientific.—Le Committee International pro Pesos e Mesuras ha augmentate le serie del prefixos deca-, hecto-, kilo-, e megaper giga- e tera- que significa milliardo e billion, respectivamente, e le serie deci-, centi-, milli-, e micro- per nano- e pico- que significa miliardesimo e billionesimo, respectivamente. Le Statounitese Bureau de Standards a Washington ha comenciate usar le nove prefixos. placiante in lo que es nunc le Mar de Ross.

Pedagogia.—In Dighton, Kansas, octanta scholares del septime e octave annos scholar prende un curso in interlingua elementari que es docite como un introduction ideal al studio del linguas estranie. Un simile curso es in progresso in Wellington, etiam in Kansas. Le institutrices responsabile pro iste remarcabile innovation es Srtta. Dey in Wellington e Sra. Williams in Dighton.

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GENERAL SCIENCE

Reading Interlingua

YOU CAN READ Interlingua if you had no more than one semester of high school French or Spanish or Latin and flunked it. You can read and understand a great deal of it even if you had never had contact with any foreign language.

One of ten awards given by the Metropolitan New York Chapter of the American Medical Writers Association for "distinguished service in improving medical communication" was presented Dr. Alexander Gode, chief of the SCIENCE SERVICE Interlingua Division.

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