

# SCIENTIA INTERNATIONAL

## NOVAS DEL MENSE IN INTERLINGUA

**Alimentos.**—Caffe, quando torrefacite a nigro, contine un alte concentration de niacina, que es un importante vitamina del complexo B. Tres a quatro tassas de caffe (ex granos fortemente torrefacite) satisfacite le complete requirimento diurne de niacina de un adulto normal. Caffe brun (que es minus fortemente torrefacite) contine multo minus niacina, solmente circa un tertio de illo continite in caffe torrefacite a nigro. Niacina preveni pellagra. Le extense uso de caffe es possibilmente le causa del disparition de pellagra in grande partes del mundo. Iste observationes es reportate per un gruppo de scientistas del Universitate Tulane a Nove Orleans.

**Ichthyologia.**—In general, le typos de pisces trovate al costas de Sud- e Nord-America in le Oceano Pacific differe completamente ab illos incontrate al costas de Asia in le Oceano Indian. Isto non vale pro certe species extraordinari que occorre indifferentemente in ambe regiones. Dr. Carl L. Hubbs del Universitate California propone, como explication de iste estranie facto, le possibilitate que ille pisces migra in le forte corrente submarin west-est que depest su discoperta in 1954 es cognoscite como le corrente Cromwell e que, secundo plus recente investigationes, pare coprir le integre distantia inter le duo continentes.

**Zoologia.**—Dece-cinque distincte species o racias de tortuca existe in le varie Insulas Galapagos. (Le traduction espaniol de tortuca es "galapago".) Cinque de illos occorre in Albemarle que ha cinque vulcanos e probabilemente representa un coagulo vulcanic de cinque insulas separate. Le differentias interinsular del racias de tortuca e de altere elementos del fauna in le Insulas Galapagos suggeriva a Charles Darwin le principios general de su theoria de evolution per selection natural, sed illos es interessante per se e merita esser protegite contra le effectos annihilatori del civilisation moderne. Pro iste objectivo, un Foundation Charles Darwin pro le Insulas Galapagos esseva recentemente instituite a Brussel in Belgica. Illo ha jam equipate un prime expedition que ha le collaboration del governmento de Ecuador e de varie organisatitones philanthropic.

**Recercas de Cancere.**—Un del studios in le reporto bi-annual del Instituto Sloan-Kettering pro Recercas Cancerologic concerne le observation que implantas de un cancere specific in muses—i.e. le tumor cognoscite como sarcoma 180—es completamente curabile per le vaccino BCG (bacillo Calmette-Guerin) que es in uso commun pro stimular le resistentia natural de infantes contra tuberculose. Le methodo ha essite usate usque nunc solmente in muses e solmente contra implantas de cancere. On experimenta currentemente con le methodo in casos de cancere spontance in muses. Ab hic usque al tractamento de cancere in humanos il ha ancora un grande distantia. Sed le observation prova de novo que il existe un resistentia natural del corpore contra tumores maligne e que iste resistentia pote esser stimulate.

**Statistica Vital.**—Dece-cinque milliones del citatanos del Statos Unite ha plus que 65 annos de etate. In 1950, iste cifra esseva dece-duo milliones. In le futuro, illo va continuar crescer. Tal disveloppamentos ha un profunde importantia pro le stato sanitari del nation. Si per exemplo in le anno typic de 1956, 4,2 pro cento del citatanos de plus que 65 annos de etate e solmente 0,16 pro cento del citatanos de minus que 65 annos de etate moriva de

morbos del corde e del circulation, on debe expectar un accrescimento continue del incidentia e del mortalitate in le morbos cardiovascular e evidentemente etiam in le altere morbos que es typic de etates avantiate. Le cifras absolute pro le mortes cardiovascular in 1956 esseva 609 milles in subjectos de plus que 65 annos e 245 milles in le alteres.

**Astronautica.**—Micrometeoros non pare representar un grave periculo pro le astronauta futur. Le satellite statunitense Explorer VII, in orbita depest le 13 de octobre 1959, ha reportate usque nunc solmente un "microcollision", e is to esseva probabilemente non causate per un micrometeoro sed per un fragmento del rochetta del satellite mesme.

**Archeologia.**—Le datation del origine de artefactos ceramic e de productos natural mineral es nunc possibile con alte grados de accuratia usque a etates de circa cento milles annos gratias al novemente disveloppate "methodo thermoluminescential" que va supplementar felicemente le jam provate methodo a carbon-14. Le principio del nove methodo es que le disintegration radioactive (que occorre in omne substantia) resulta in le intrappamento de electrones e que istos pote esser liberate per le application de calor. Le quantitate del electrones presente in un objecto particular cresce con su etate. Quando le objecto sub investigation es calefacite, illo reage per un levissime luminescentia que es manifeste a temperaturas multo infra illos requirite pro inducer le objecto a incandescer. Un sensibilissime photomultiplicator es usate pro mesurar ille luminescentia que revela per su intensitate le numero del electrones liberate e assi le etate del objecto. Le methodo ha essite testate a bon successo in le datation de specimens de lava de etate satis exactemente cognoscite.

**Morbos Psychosomatic.**—Al minus 20 pro cento de omne le patientes vidite per le medico de practica general suffre de morbos purmente psychosomatic, e al minus 30 pro cento additional ha morbos que es severmente aggravate per factores psychosomatic. Isto es le conclusion de Dr. L. F. Hobbs de Alexandria in Virginia qui reporta remarcabile successos effectuate in tal casos con le uso del nove droga anti-depressori, phenelzina, commercialmente disponibile sub le nomine de Nardil.

**Inventiones.**—Esseva inventate un arco de violino que es movite electricamente. De facto, il non es le arco mesme que es movite sed solmente su pilos. Istos es combinate in duo bandas sin fin que curre in direction contrari, a rapiditate delicatamente adjustabile per medio de un pedal.

**Sexologia.**—Super le base del mesuration de specific aspectos del morphologia externe del corpore human, Dr. C. C. Seltzer del Universitate Harvard ha elaborate un systema que permette le determination del grado de masculinitate que es characteristic de un individuo particular. Post 15 annos de applicationes de su systema, Dr. Seltzer ha constatate un remarcabile correlation positive inter basse grados de masculinitate e le uso de tabaco. Isto, in le opinion de Dr. Seltzer, subleva le question de si o non il existe un correlation inter le grado de masculinitate physic e le susceptibilitate del subjecto de contraher certe morbos. Si le responsa es affirmative, il seque que un morbo particular—per exemplo cancere pulmonar—pote predominar in fumadores sin esser directec primariamente causate per le habitude del fumar mesme.

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### GENERAL SCIENCE

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