

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Recercas de Cancere.**—Le effecto del fumar de cigarretas super le disveloppamento de cancere pulmonar es difficile a investigar in experimentos animal. Le animales refusa inhalar fumo de tabaco como fumatores human lo face, e placiari le animales in un atmospha plena de fumo non crea un situation identic al situation in que se trova le nicotinomano human. A Glasgow in Scotia Dr. P. R. Peacock ha nunc constatate que gallinas collabora excellentemente quando illas recipe injectiones periodic de fumo in lor saccos de aere. Illas regarda le fumo in lor expiration con interesse e surprisa e monstra ni timor ni disgusto.

➤ **Medicina.**—Tests preliminar con un vaccination contra un certe typo de rheuma es in progresso al Station de Trainamento Naval de Great Lakes in Illinois. Il se tracta del rheuma que es causate per le virus que lor discoperitores, Drs. Huebner, Bell, e Haas del statounitese Instituto National de Sanitate, appellava virus APC (pro alluder a lor tendentia de afficer adenoide, pharynge, e conjunctiva). Un prime serie de tests con voluntarios ab inter le population de un prison esseva incoraggiante. Si le presente serie satisfac le expectationes del expertos, on va repeter le tests con un plus grande numero de subjectos.

➤ **Agronomia.**—Pro assister in le lucha contra aphides e altere nocentes in le plantages de citro in Florida, plure colonias del insecto pakistanian *Brumus suturalis* ha essite importate. In annunciar iste mesura le statounitese Departamento de Agricultura etiam mentiona que le prime successo in combatter insectos nocive per importar colonias de lor inimicos natural occurreva in 1888 quando le citrocultura de California esseva quasi annihilate per un peste originari de Australia e tunc salvate intra 18 menses per colonias de insectos importate ab le mesme continente.

➤ **Interlinguistica.**—Le jornal official del Association Cardiac American, "*Circulation Research*," ha comenciate publicar summarios in interlingua con omne su articulos original. In un editorial, Dr. A. Gode, chef del Division de Interlingua de SCIENCE SERVICE, explica que le textos in interlingua es directemente comprensibile a circa 95 pro cento del personas technicamente qualificate a leger los in anglese, francese, espaniol, o germano. "*Circulation Research*" es le dece-quinte jornal medical que se servi de summarios in interlingua.

➤ **Zoologia.**—Le protection del fauna natural in le statounitese Parco National Yellowstone ha resultate in un superabundantia de alces. In lor lucha pro alimentos iste grande animales comencia miniar le existentia de minus forte species. Illos etiam disequilibra le flora del parco per exterminar certe arbores que illos attacca proque lor alimentos natural es jam exhaurite. On pote corrigir le situation per permitir le chassa a alces in le parco, sed isto require un legislation special per le governoamento national.

➤ **Dentisteria.**—Experimentos executate per Dr. C. E. Klapper del Universitate Alabama indica que carie dental—si non in humanos, al minus in hamsters syrian—es grandemente avantiate si le glandulas salivari es excidite. Per excider solmente le parotides o solmente le sublinguales o solmente le submaxillares, Dr. Klapper constatava que le plus importante agente anti-cariose es le secretion del glandulas sublingual, ben que iste secretion amonta a non plus que cinque pro cento del saliva total.

➤ **Ichthyopsychologia.**—In le curso de experimentos con reflexos conditionate in pisces, Dr. S. Lagieve del Universitate Moscova in Russia ha observate que le reaction del pisces a problemas excedente lor capacitate de apprender es frequentemente un conducta claramente neurotic. In tal situationes le pisces refusa participar in le experimentos e se absentia con signos evidente de resignation e despero.

➤ **Alcoholismo.**—In experimentos con rattos, psychologos del Universitate DePauw ha constatate que injectiones intravenose de alcohol rendeva le animales plus calme e coragiose in le presentia de disconforto e periculo. Isto esseva plus o minus expectate. Lo que surprendeve le experimentatores esseva le facto que le rattos reteneva lor augmentate corage longe post que le alcohol habeva disparite ab lor sanguine.

➤ **Agronomia.**—Le reimplacimento de saponos per detergentes synthetic ha resultate in le Statos Unite in un surplus enorme de grassia animal. Jam in 1953 iste surplus amontava a plus que mille millones libras. Experimentos executate in California demonstra que un parte del surplus pote esser usate profitabilemente per includer 2,25 pro cento de grassia animal in le dieta del bestial bovin.

➤ **Recercas de Cancere.**—Si benzpyrena es vermente le cancerogeno que on crede deber cercar in le fumo de cigarretas, il es a expectar que cigarretas futur va esser impregnate con minime quantitates de sulfamato de ammonium. On ha constatate que le ammoniaco produce in le combustion de ille sulfamato reduce le generation de benzpyrena per 60 pro cento o plus.

➤ **Entomologia.**—In certe muscas (includente le mosquitos) le entomologo australian Dr. M. F. Day ha discoperite un nove organo sensorial que ille appella le "organo tambur." Le function del organo pare esser le registration del pression aeree. Il es forsan non integremente phantastic supponer que il se tracta de un specie de indicator de velocitate in volo.

➤ **Chirurgia.**—Al Universitate Duke on se effortia a establir un specie de "jardin de pelle" in que specimens cutanee poterea crescer a dece vices lor extension original. Isto essera importantissime in provider graffos cutanee pro victimas qui non pote suppler pecias de pelle sufficientemente grande pro coprir lor vulneres.

➤ **Agronomia.**—Secundo reportos del statounitese Departamento de Agricultura, le uso agricole de substantias chimic (herbicidas, insecticidas, agentes de fumigation, etc.) debe esser re-adjustate de maniera a tener intacte le fungos que provide le solo (e le plantas) de varie importantissime antibioticos.

➤ **Athletica.**—Un cargo aeree de 460 chronometros switze costante \$300.000 ha arrivate a Sydney in Australia como equipamento pro le veniente Ludos Olympic. Le plus delicate del apparatus es theoreticamente capace a mesurar periodos de tempore con un exactitude de intra un millesime secunda.

➤ **Aeronautica.**—Ha essite patentate un sistema de lancear aviones a reaction directemente ab le platteforma de camiones de transporto. Le invention, que es de evidente importantia militar, ha essite usate con excellento resultatos in tests con aviones de combatto del typo F84G Thunderjet.

➤ **Antibioticos.**—Medicos de Philadelphia ha constatate que Neomycina como ingrediente in pastas cosmetic es un excellento deodorante.

Science News Letter, January 28, 1956

ENTOMOLOGY

Find Six New Mites In Mutton Bird Nest

➤ NESTS of the muttonbird have 14 species of mites, recent studies have shown.

Five are external parasites, one is a feather mite, and the others are typical trash and excreta inhabitants. Entomologist H. Womersley of the South Australian Museum, Adelaide, reports six mites as new in the *Australian Journal of Zoology* (Oct., 1955).

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