

# SCIENTIA INTERNATIONAL

## NOVAS DEL MENSE IN INTERLINGUA

**Archeologia.**—Fossiles animal de duo milliardos de annos etate esseva trovate in rocca al ripas de Laco Superior in le Status Unite de Nord-America. Le plus ancian fossiles previeamente cognoscite habeva 500 milliones annos de etate. Le fossiles hic reportate es simile in forma e structura a hydras a medusas sed certo pertine a differente divisiones zoologic. Illos resimila micrissime saccos con un lobo que probabilemente esseva usate como organo de propulsion. Illos es primitivissime, pare haber nulle descendentes directe in nostre dies, e pote esser designate como un "abortate experimento evolutionari" del natura.

**Biochimia.**—Dr. D. W. Woolley del Instituto Rockefeller in New York reporta que marcate alterationes in le capacitate de muses de aprender pote esser effectuate per le regulation del contento de serotonina in lor cerebros. In experimentos con muses Dr. Woolley trovava que elevation del contento de serotonina in lor cerebros resultava in un temporari reduction in lor capacitate de aprender le tornos in un labyrintho, durante que un reduction del serotonina resultava in un marcate augmento in lor capacitate de solver problemas de iste genere.

**Biologia.**—Tres biologos finnese ha publicate le theoria que sub certe conditiones le gestation de un prime-nato mascule resulta in le immunisation del matre contra mascule antigenos, de maniera que le infantes subsequente de illa non pote esser filios sed va necessariamente esser filias. Iste theoria explicarea la observation que non infrequentemente un primogenito mascule remane sin fratres e debe indurar un longe serie de plus juvene sorores.

**Linguistica.**—Le "American Interlingua Society" (Societate American de Interlingua) es in le processo de formation. Interlingua es usate regularmente in circa 25 jornales medical e ha essite usate pro summarios in le programmas de mundial congressos medical. Le utilisation plus extense de iste lingua es recommendate per le Societate, le chef provisional del qual es H. E. Blair del Division de Interlingua de Science Service. Il es expectate que instructores de linguas essera interessate proque Interlingua es un base excellent pro additional studios linguistic. Le organisatores del nove societate non presenta Interlingua como un panacea sed como un instrumento de demonstrare utilitate pro le communication international.

**Medicina General.**—Le thymo es probabilemente le glandula que regula le cellulas que produce anticorpos. Al Universitate Minnesota un gruppo de receratores ha demonstrate que le excision del thymo ab consilios e muses immediate post nascentia resulta in le incapacitate de producer anticorpos in maturitate. De plus, le cellulas lymphoide del animales matur reage anormalmente quando illos esseva injicite in un altere animal. Iste provas indica que le thymo ha un rolo essential in producer cellulas lymphoide e anticorpos. Simultaneamente un gruppo anglese discoperiva que muses cuje thymo ha essite removite immediate post nascentia pote acceptar graffos cutanee e transplantationes de tissu que muses normal non pote acceptar. Isto demonstra que obstaculos natural al transplantationes de tissu pote esser evitate per excision del thymo.

**Medicina General.**—Un nove technica pro le tractamento de paralysie agitante usa micrissime perlas radioactive pro le destruction de tissu anormal in le cerebro. Le successo del tractamento suggere su uso futur contra certe tumores cerebral. Quando le parve segmento

del cerebro associate con le tremores es preciseamente locate, perlas ceramic de radioactive yttrium-90 es implantate in le area. Durante un periodo de tres dies le perlas gradualmente destrue le tissu anormal del cerebro intra un zona restringite. Le advantage de iste methodo es le gradualitate del destruction del tissu. Altere methodos que emplea electrocoagulation o injectiones de alcohol pote causar un choc subitane que produce un stato confuse o coma in le patiente.

**Medicina General.**—Un nove methodo pro le extraction de cellulas vive ab le hepates de neonatos pote esser un prime passo verso le diagnose e un remedio de jalnessa causate per hepatitis a cellulas gigante. Iste typo da jalnessa causa cicatrization del hepate a resulta in le morte de un tertio de su victimas neonate. Le extraction del cellulas vive es possibile a causa de un nove agulia chirurgic disveloppate in Italia, secundo Dr. F. Kopel in New York. Su nove labores con examinationes histo-chemic e un microscopio electronic ha ducite Dr. Kopel a concluder que iste typo de hepatitis resulta del absentia del structura que excerne bile circa le cellula gigante.

**Medicina General.**—Trachoma, un morbo infectiose del oculo que frequentemente resulta in cecitate, pote esser exterminate si experimentos con un nove vaccino es successose. Proque trachoma es prevalente inter le indianos in le sud-west del Status Unite, le comenciamiento del tests esseva interprendite inter le juvene indianos.

**Physica.**—Molybdenum pur se ha monstrate como un elemento superconductive in le qual corrente electric apparentemente flue perennemente sin resistencia. Previe investigadores non habeva succedite trovar su superconductivitate a causa de impuritates. Le discoperta del importantia de puritate super superconductivitate habera un influenza pro theorias in re le natura e occurrentia de superconductivitate. Le discoperta suggere que altere elementos metallic possibilemente devenira superconductores si illos pote esser facite satur.

**Physica Nucleari.**—Es reportate le discoperta de un particula non previeamente cognoscite in le corde del atomo. Le nove particula, le meson eta, ha un vita si breve que illo pote esser detegite solmente per le particulas producite quando illo se desintegra. Le meson eta esseva discoperite per observationes del formation de mesons pi que resulta de un specific typo de collision nuclear. Il existeva indicationes que le mesones pi veniva de un particula instabile, le meson eta. Le meson eta apparentemente se disintegra ad in duo mesones pi electricamente cargate, un meson pi neutre, e altere particulas neutre. Il es expectate que le meson eta va provider importante nove information super le structura e le movimientos del nucleo atomic.

**Psychologia.**—Le Instituto Fels de Recerca reporta que le movimientos e pulsationes cardiac del feto pote esser usate pro predicar le comportamento del persona ab nato usque al fin del adolescentia. Le studios del instituto revela un relation inter le activitate del feto un o duo menses ante nascentia e le anxietates social del juvenil. Irregularitate in le pulsationes cardiac fetal es relate a instabilitate in le pulsationes cardiac in le adolescentia le qual, in su torno, es relate a introspection, conflictos, e anxietates concernite con dependentia, activitates erotic, e decisiones.

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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 have never had contact with any foreign language.

Twenty-three medical journals regularly publish in Interlingua abstracts of their original papers.

Send this page to an acquaintance abroad and tell him that he can get additional information about Interlingua from Alexander Gode, SCIENCE SERVICE's Interlingua Division, 80 E. 11th St., New York 3, N. Y.

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