

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Recercas de Cancere.**—Es reportate ab Florida le caso de un patiente de cancre (melanoma maligne) qui se restabliva "spontanemente" post recipere un transfusion de sanguine ab un altere individuo qui habeva habite le mesme malignitate. On admittite le possibilitate que il se tractava de un coincidentia. sed le occurrentia merita studios additional. Tests laboratorial ha revelate nulle activitate viral in le sanguine del duo patientes.

➤ **Psychologia.**—Un observator qui concentra su attention super le occurrentia de un certe typo de signal perde su alertia intra alcun horas si le signal in question occurre ramente o non del toto. Al Laboratorios de Recercas Naval a Washington on ha constatate que le deterioration del alertia de observatores pote esser evitate o relentate si "pseudo-signalas" es providite a frequente intervallos, mesmo si illos es clarmente differente ab le signalas expectate.

➤ **Manufactura de Papiro.**—Le consumption de ligno in le production de papiro es enorme. Le industria de ligno poterea satisfacer le correspondentemente demanda plus facilmente si farina de ligno—un usque nunc inusabile producto lateral—poteva esser usate como materia prime de papiro. Le obstaculo es le facto que farina de ligno ha fibras troppo curte pro esser incorporabile in le pulpa de papiro. Recentemente un nove typo de serra ha essite inventate le qual produce un farina de ligno a fibras multo plus longe. Le nove typo de serra ha simplemente un reducite numero de dentes. Esays de fabricar papiro ex le farina de ligno a longe fibras ha succedite promittentemente. Un fabrica experimental es jam in servicio.

➤ **Oceanographia.**—In le regiones arctic e antarctic le differentia inter marea alte e marea basse pare esser minus marcate que in regiones de climate moderate o tropic. Un explication possibile es que le basse temperaturas in le regiones polar augmenta le densitate del aqua e assi etiam su salinitate. Observations a Point Barrow in Alaska, effectuate sub le egide del Institution Scripps de Oceanographia, pare corroborar le supra-presentate explication.

➤ **Psychologia Experimental.**—In experimentos con simias, psychologos al Universitate Columbia ha demonstrate un effecto deterioratori del agente tranquillizante chlorpromazina super le senso "autocritic" del individuo tractate con illo.—Simias pote esser trainate, per exemplo, a batter un specific numero de vices contra un objecto pro obtener un recompensa de alimento. Post tractamentos con chlorpromazina, simias trovava difficile batter le correcte numero de vices. Illos batteva troppo o non satis frequentemente. Le applicabilitate de iste observations in le caso de subjectos human ha non ancora essite provate, sed illo es multo probable.

➤ **Automobilismo.**—Esseva patentate un motor a octo cylindros que automaticamente labora con solmente quatro quando le requirite quantitate le labor es basse. Le advantage de iste systema es un grande economia de combustibile sin perdita de efficacia.

➤ **Ichthyologia.**—Un specie de nostalgia ha essite notate in pisces transferite ab un milieu accostumate a un altere non previeamente cognoscite. In le caso de tructas il esseva constatate que lor effortios de trovar un domicilio in le nove milieu, si non successose intra alcun dies, deveni si phrenetic que le resultante stress pote causar le morte de usque a 50 pro cento de tal "personas displaciate" in le mundo piscin. Le causa immediate de morte sub iste conditions pare esser un excessive augmento del nivello de acido lactic in le sanguine.

➤ **Recercas de Cancere.**—In experimentos con muses, Dr. L. Gross de New York ha isolate ex sanguine leucemic un filtrato que ille considera como probabilemente de natura viral. Altere muses reageva a injectiones del filtrato con le disveloppamento de leucemia o—e isto es un phenomeno del prime importantia—de altere typos de malignitate.

➤ **Lacteria.**—Esseva constatate al Universitate Wisconsin que lacte in cassas de latta retene melio le characteristics de lacte fresc si ante le processage illo es levemente calefacite. Le calefaction causa le combination de caseina alpha con lactoglobulina beta, e isto—pro un ration o un altere—preveni certe indesirable alterationes in le producto final.

➤ **Hematologia.**—Un gruppo de scientists anglose e american, laborante con cellulas radioisotopicamente marcate, ha constatate que leucocytos de porcos de India reduce e non augmenta lor dimensiones in le curso de lor vita. Post lor origine in le normal systema hematopoietic, le leucocytos in le circulation pote divider se, sed le duo partes non re-augmenta lor volumine: illos remane medietates de lor ancestres. Iste phenomeno se repete in plure generationes usque finalmente le micrissime leucocytos terminal dispare in un maniera que es non ancora clar.

➤ **Alimentos.**—Multe recercas es in progresso pro perfectionar methodos de preservar alimentos pro futur astronautas. Le plus importante phase de iste recercas es le sterilisation de completamente preparate repastos per irradiation ionisante. On crede que multes del disveloppamentos in iste campo va esser usabile etiam in le hospitales terrestre ubi le cocina es un institution costose e complexe. Il es ben possibile que le hospital futur va haber nulle cocina sed solmente un grande magasin con numerosissime typos de repasto irradiate e preste a esser calefacite quasi in le sala del patientes mesme.

➤ **Astronomia.**—In 1946 le luna esseva "discoperite" per radar. Le prime tal "discoperta" de un planeta esseva effectuate in 1958 in le caso de Venere per expertos del Instituto Technologic de Massachusetts. Le tempore requirite per le signal de radar in su viage de ir e retornar inter le terra e Venere ha permittite un plus exacte calculation del distantia inter iste duo corpores.

➤ **Inventiones.**—Esseva inventate un parapluvia con un lumine electric in su puncta. Le function del lumine es prevenir collisiones de pedones qui noctambula in le pluvia in stratas non-illuminate.

➤ **Animales Domestic.**—Pulices de cattsos e canes es difficile a occider per medio de insecticidas chemic. Un entomologo al Universitate California ha constatate que certe pulveres, quando fricate in le pilos de cattsos e canes, fortia le pulices (per un action purmente physic) a exir e perir.

➤ **Atomos pro le Pace.**—Le Statos Unite plana installar in Antarctica quatro micre electrogeneratores nucleari. Isto es le programma pro le veniente tres annos. Illo va esser un bon comenciamento in un campo de potentialitates quasi sin limite. Geologos ha jam constatate le presentia de 178 differente mineralas in Antarctica ben que minus que un pro cento de ille continente ha essite exploreate. Si in le futuro on vole exploitare le ressources de ferro, carbon, auro, argento, stanno, plumbo, etc. que Antarctica possede, grande quantitates de in-costose energia electric va esser requirite. Secundo nostre currente cognoscentias, solmente le uso de reatores nucleari como electrogeneratores va esser capace de solver iste problema.

GENERAL SCIENCE

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