

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Physiologia.**—Trompetteros suffre facilmente de vertigine como "hasardo occupational." Esseva trovate per Dr. M. Faulkner de California e Dr. E. P. Sharpey-Schaefer de London—professores de musica e medicina, respectivamente—que le production de alte e prolongate sonos de trompette require del parte del trompetero un effortio exhalatori que reduce le tension sanguinee in le arterias que alimenta le cerebro. Le resultante inadeguata de sanguine cerebral es responsabile pro le phenomeno del vertigine de trompetero. Un position sedite es melior pro le trompetero que un position erecte. In position jacente ille riscarea quasi nulle disconforto cerebral, sed il es probabile que trompeteros in decubito dorsal non essera tolerate per le publico de concerto. Le vertigine in question, del resto, es sin signification ab le puncto de vista del sanitate del trompetero.

➤ **Morbos Venere.**—Un studio del efficacia de penicillina in le tractamento de gonorrhoea de soldatos american in Corea in 1958 ha demonstrate que 20 pro cento del casos non respondeva positivamente. Isto excede per multo le proportion costumari de 1 a 5 pro cento de non-successos e indica le disveloppamento de racias penicillino-resistente del organismo responsabile pro gonorrhoea. Simile observationes ha essite facite in altere partes del mundo.

➤ **Meteorologia.**—Multe bureaux meteorologic del Statos Unite va publicar iste estate, a base experimental, un diurne "indice de disconforto." Iste indice combinara temperatura e humiditate in un sol valor exprimito in cifras inter zero e cento. On expecta que circa 10 pro cento del population va sentir se disconfortabile jam ante que le indice attinge 70. Supra 80, le disconforto va esser plus o minus universal. Le valor de un tal servicio es que illo provide un base pro le activation de climatizatores in fabricas e altere locos ubi multe individuos es congregate e differ naturalmente in lor desiros personal. Le indice etiam informara le centrales electrogeneratori quando le intense uso de climatizatores va resultar in forte requirimentos de corrente electric.

➤ **Atomica.**—Le statounitese Commission de Energia Atomic prepara un instrumento pro le detection de radiation ambiental que pote esser installate como parte de omne apparato radio-receptorii a transistores. Un tal detector va esser incostose e pote esser producte in massa.

➤ **Statistica Industrial.**—On predice que in 1959 le fabricantes de bira in le Statos Unite va requirer circa 8,900,000,000 lattas in le distribution de lor producto.

➤ **Agricultura.**—Le Congresso del Statos Unite va tosto considerar un bill que propone le establimento de un nove Consilio de Recercas Agricultural e Industrial. In le passate le recercas agricatural—in iste como in altere pais—esseva preoccupate quasi exclusivamente de augmentar le productivitate del agricultura national. In le Statos Unite, isto ha resultate—on lo sape—in un production excessive que es un del duo major factores in le advenimento del corrente crise agricatural. Le altere factor es que le recercas industrial del passate decennios ha resultate in le displaciamento de multe productos agricatural in lor usos industrial. Per exemplo, in 1945 minus que 25 pro cento del alcohol industrial usate in America esseva de origine non-agricatural, i.e. mineral. Le resto esseva facite ex cereales. Dece annos plus tarde le proportion esseva plus que revertite: Solmente un septimo del production national de alcohol industrial esseva distillate ab cereales. Le resto esseva de origine mineral. Le nove Consilio de

Recercas va preoccupar se de disvelopparg nove usos industrial pro le productos agricatural e non del toto de augmentar le productivitate del agricultura.

➤ **Aeronautica.**—Un association de aeropilotas e proprietarios de aviones ha proponite le adoption de un lege que imponerea a aviones in volo a altitudes de minus que 600 m un celeritate maximal de 300 km per hora. Le alte celeritates nunc practicate in le vicinitate de aerodromos, dice le representantes del association, es como si le Queen Mary viagiava a plen vapor intra le porto de New York.

➤ **Physiologia.**—Un physiologo russe ha constatate que undas ultrasonic stimula le secretion de succo gastric. In canes le effecto haveva un duration de tres dies. Le physiologo in question es M. K. Smirnov de Minsk.

➤ **Ichthyologia.**—Le question proque pisces es frequentemente tentate a mangiar le esca (que significa lor morte) in despecto del presentia de un abundantia del micre pisces que es lor nutrimento usual trova un responsa in le hypothese del zoologo californian, Dr. R. B. Cowles, qui crede que predatores es semper attrahite per un preda que se comporta de maniera inusual. Dr. Cowles vide in isto un mecanismo equilibratori del natura. De facto, ille had observate que pisces predatori selige preferibilemente specimens anormal inter le micre pisces que es lor preda routinari. Tal specimens es frequentemente imperfecte e inferior ab le puncto de vista genetic.

➤ **Historia Natural.**—In le edificio de historia natural del Institution Smithsonian a Washington on ha montate un specimen de elephante african que ha un altor (al spatula) de quatro metros e un centimetro e medie. Le pelle del creatura pesava plus que duo tonnas. Le argilla requirite pro restabli su forma pesava 4950 kg.

➤ **Paneteria.**—Pan in Israel, como in multe regiones del Oriente Proxime, es pauco molle e plus tosto platte. Multes del habitantes in Israel contemporee veni de partes del mundo ubi le pan es molle e porose, e illes prefererea le typo de pan de lor ancian pais a illo de lor nove patria. Usque nunc on ha habite nulle successo in effortios de producer in Israel le typo de pan molle que le majoritates del israelitas prefere. Le ration pro le platitude del pan de Israel non es un manco de levatura sed simplemente le facto que pastas de farina ex le tritico dur que es native in le Oriente Proxime non retine le gas generate per le levatura. On crede que iste phenomeno es le effecto de un extreme debilitate del parietes cellular in le farina. Illos rumpe sub le tension del gas in loco de inflar se. On spera—non troppo confidentemente—trovar un methodo de tractamento chimic o mechanic que altera le situation.

➤ **Diagnostica Medical.**—Un rapidissime methodo diagnostic ha essite perfectionate per le Departamento de Hygiene e Education in le governamento american. In le caso de poliomyelitis le methodo ha jam provate su valor, sed illo va etiam esser applicabile a altere morbos. Frottis de sanguine suspecte de infection es coperite de micre quantitates de sanguine animal in que anticorpore contra le antigeno in question es cognoscitamente presente. Iste anticorpore ha previeamente essite tincturate per medio de un substantia fluorescente. Quando le preparato es lavate, le anticorpore remane attachate al sanguine sub inspection solmente si illo contine le correspondente antigeno, i.e. le agente pathogenic que on desira identificar. Illo es alora clarmente visibile in illumination ultraviolette.

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GENERAL SCIENCE

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