

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Medicina Veterinari.—Canes, como humanos, suffre de febre de feno con omne le symptomatas classic de descarga de muco nasal, prurito, e inflammation del oculos. Dr. R. Patterson del Universitate Michigan reporta le caso de un tal patiente canin in que le administration de antihistamina alleviava le symptomatas multo satisfacientemente.

Astronautica.—Explorator VI, le plus recente satellite american, ha un peso de solmente 64 kg, sed su instrumentation es le plus complexe unquam inviate in un viage extra- e circumterrestre. Illo ha "alas de molino," automaticamente displicite post su entrata in orbita, le quales de facto consiste de batterias solar providente un prolongate alimentacion electric. Explorator VI es le prime satellite equipate con un specie de camera de television. Isto va transmittir al humanos le prime primitive portraits cosmic de lor planeta matre.

Ingenieria Marin.—Un systema de climatization pro submarinos es sub disveloppamento per le Radiocorporation de America. Illo fonctionnera sin motores o compressores, utilisante le si-appellate effecto Peltier. Iste effecto es nominate pro le physica francese Jean Peltier qui discoperiva 120 annos retro que le passage de electricitate per le junction de duo dissimile metallos produce calor in un direction e frigor in le altere. Le hic reportate nove climatizatores pro submarinos va funcionar in principio simplemente per remover, per medio de un fluido circulante, le calor producte per le effecto Peltier.

Phonetica.—Pro patientes qui ha perditte lor capacitate de parlar in consequentia de un laryngectomia, le anglese chirurgo dental Dr. R. T. Tait ha disveloppate un dispositivo electric le qual—portate in le bucca e alimentate per un batteria in le tasca del subjecto individual—produce vibrationes que normal movimientos del organos de parolation modula in parolas perfecte- mente intelligibile ben que un paucio monoton.

Materiales.—Le papiro in libros producte durante le passate 25 annos va deteriorar se multo plus rapidemente que le papiro usate in publicationes de seculos passate. On crede que le reduce "vitalitate" del papiros moderne es le effecto del acidos usate in lor fabrication. Studios es in progresso pro trovar methodos que permittera le neutralisation del acidos in question.

Pedagogia.—Un micre piano ha essite inventate in que le depression de un clave activa un lumine indicante le clave del sono sequente in un melodia particular. Le sequentia del lumines es regulate per un excambiabile carton perforate.

Demographia.—Dr. R. C. Cook del Bureau de Informations Demographic in Washington predice que si le crescentia explosive del populationes in le paisas del Oriente Extreme non es retardate intra un o duo decennios, ille paisas va nunquam succeder a meliorar le standard del vita del individuo. Le excellent successo del japonenses in regular le crescentia del population non es imitable in altere paisas con altere traditiones religiose, social, cultural, etc. Sed le problema debe esser resolvite si on vole evitar resultatos ultimemente tragic e catastrophice. Si le methodos japonese non es applicabile, altere methodos debe esser trovate.

Atomica.—Un theoria formulate per Prof. A. S. Kompaneets del Academia de Scientia Sovietic explica le undas de radio generate in explosiones atomic como causate per le presentia de un corrente electronic in aere ionisate. Iste corrente

produce pulsos de un duration mesurable in millionesimos de secundas e assi undas de radio de un longitude de circa 1 m. (Radiodiffusiones standard labora con undas de longitudes in le vicinitate de 200 m.)

Astronautica.—Experimentos effectuate in le laboratorios del compania Lockheed indica que astronaves penetrante le atmosphaera del planeta Venere debe esser preparate pro temperaturas de friction multo plus alte que in le caso de Marte o Terra. Le ration es que le atmosphaera de Venere es multo ric in dioxydo de carbon.

Recercas de Arthritis.—In le Statos Unite le incidenta de arthritis inter fermeros e obreros agricultural es quasi duo vices plus alte que in le population general. Le population arthritic del Statos Unite es circa dece-un milliones. Un million de iste total es representate per fermeros.

Astronautica.—Un seismographo pro le registration de tremores de terra in le luna (= "tremores de luna"?) essera construite per un gruppo de expertos del Universitate Columbia e del Instituto Technologic de California. Le instrumento va pesar inter 10 e 20 libras. Illo essera transportate al luna un rochetta e reportara su observationes per signales de radio.

Physiologia.—Dr. R. Henkin del Universitate California ha constatate in experimentos animal que il existe un correlation inter le production del hormon corticosterona e certe qualitates (frequentia, intensitate, etc.) de sonos previeamente audite per le subjecto. Dr. Henkin postula que le reaction del individuo a un pecia de musica es un evento multo complexe que affice le organismo total, incluse le economia del hormones. Previe experimentos de Dr. Henkin ha demonstrate un correlation inter le agradabilitate o disgradabilitate subjective de un pecia de musica e le responsa galvanic del pelle in le subjecto individual.

Pharmacologia.—Al Collegio Pharmacologic Philadelphia, melle ha essite recognoscite como un excellent vehiculo pro varie pharmacos. Certe vitaminas ha un meliorate stabilitate in melle. Le sedimentation de multe pharmacos in iste vehiculo es extrememente lente, e lor remisimento es extrememente facile. Le palatabilitate de drogas es evidentemente augmentate per le uso de melle, e un re-introduction massive de iste ancian remedio popular con nove functiones pharmacologic esserea de importantia pro le agricultura.

Alcoholismo.—Le Statos Unite produce 500.000 alcoholicos per anno. Le nation ha nunc 8.000.000 alcoholicos. Le superviventia probabile pro alcoholicos es 51 annos, in comparison con circa 70 annos pro non-alcoholicos. In le curso del passate 13 annos, le numero total del bibitores ha descendite per 12 pro cento. Pro feminas iste reduction esseva duple illo pro masculos.

Hospitales.—In 1958, le hospitales stato-unitesse ha admittite 23.697.000 patientes (700.000 plus que le anno precedente). Le population hospitalisate amontava al media a plus que 1.300.000. Le population neonate in le hospitales amontava al media a 43.000. Le total del nascentias in hospitales durante le anno esseva 3.742.000. In le hospitales pro casos "non-permanente," le duration medie del hospitalisation del patiente individual esseva 7,4 dies. Le costo (pro le hospitales, non pro le patientes) esseva \$29,24 per die (\$2,43 plus que le anno precedente). Le personal empleate per le hospitales esseva 111 per 100 patientes (comparate con 107 in 1957).

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GENERAL SCIENCE

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