

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Education Scientific.**—Venezuela, exactemente como su gigante vicino septentrional, suffre de un serie disproportion inter le crescentia de su economia technologic e le capacitate de su systema scholar de educar juvene scientistas e technicos. Tamen, le effortios venezuelan de corrigir iste situation non remane sin successo. In 1954 le Universitate Caracas habeva 888 studentes de ingenieria e 1.289 studentes medical. Hodie le mesme universitate ha 1.320 studentes de ingenieria e 1.260 studentes medical. Simile tendentias es a notar in le scholas primari e secundari.

➤ **Endocrinologia.**—Dysfunction del glandula thyroide es inter le factores responsabile pro carie dental. Recercas al Universitate Indiana ha demonstrate que rattos suffre un augmento de carie per 25% si lor glandula thyroide es inactivate per le administration de 500 microcuries de iodo radioactive. Duo intervallate doses de 250 microcuries reduceva sed non supprimeva le activitate thyroide e resultava in 7% de augmento de carie. Cinque intervallate doses de 100 microcuries non accelerava le formation de carie.

➤ **Anesthesiologia.**—Dr. L. Goldie del Hospital Maudsley a London reporta excellente successos in le uso de hypnose in loco de omne altere anesthetic in casos de minor operationes, reductiones de ossos frangite, suturas de vulneres, etc. Dr. Goldie signala que le methodo es de grande valor potential specialmente in le tractamento de casos de urgentia ubi le operation debe esser interprendite sin ulle retardo e in despecto del facto que le patiente ha recentemente mangiate.

➤ **Entomologia.**—Blattas, probabilemente le plus detestate de omne insectos, fluoresce in belle e clarissime e semper cambiante colores, providite que on regarda los in un campo de lumine ultraviolette. Iste remarcabile facto esseva constatate in laboratorios del armae statounites. On crede que le phenomeno reflecte variationes del activitate secretori de certe organos del blattas. Usque nune le studio coperi 19 species de blattas. Illo va continuar.

➤ **Recercas de Tuberculose.**—Duo centos porcicos de India ha essite installate al Hospital del Administration de Veteranos a Baltimore in caviis in que le total provision de aere es adducite ab salas hospitalari habitate per patientes de tuberculose active. Le procentage de porcicos de India que disveloppa tuberculose e le intervallo de tempore usque al declaration del morbo va servir a clarificar le question de si o non tuberculose es transmissible per via aeree. Iste information es importante in le interesse del efficace e economic protection del personal.

➤ **Aeronautica.**—Aviones con motores a reaction require longe cursos de atterrage, un facto que reduce lor empleabilitate militar in territorios sin aerodromos de dimension e qualitate superior. Le marina statounites experimenta con un portabile installation de frenage que rendere parve aerodromos capace a recipere aviones a propulsion reactive. Il se tracta in principio simplemente de un piston in un tubo plenate de aqua. Le piston es attachate a un cabo. Iste cabo es deponite a transverso le curso del aeroplano. Quando le aeroplano crucia le cabo, illo trahe lo con se e expende su energia de propulsion in trainar le piston a transverso le aqua.

➤ **Rheumatologia.**—Un studio statistic re-

portate al Association Rheumatologic American corrobora le jam cognoscite facto que arthritis es plus frequente in feminas que in homines. In ultra le studio revela le nove information que feminas maritate es plus frequentemente arthritic que feminas non-maritate. Feminas divorciate non retorna al categoria del non-maritatas. Al contrario, illas es ancora plus arthritic que le maritatas. On debe supponer que iste factos resulta del effecto de factores emotional.

➤ **Hospitales.**—Le quietude de hospitales es proverbial sed apparentemente pauco real. Dr. D. Groom del Schola Medical Sud-Carolina se preoccupava del possibilitate que murmures cardiac escappa frequentemente al auscultation in consequentia del nivello de ruoto in le ambiente. Pro investigar iste question, Dr. Groom mesurava le nivello de ruoto in typic salas de consultation hospitalari e trovava que illo amonta a usque a 75 decibels. In comparison ille nota que le interior de un moderne avion, le DC-6, ha pauco plus que 100 decibels.

➤ **Cardiologia.**—Esseva reportate le prime operation del valvula mitral con le corde chirurgicamente aperte. In previe operationes del valvula mitral, le necessitate de mantener le activitate del corde resultava in le necessitate secundari de operar via aperturas natural, i.e. sin aperir le corde mesme e consequentemente sin le possibilitate de vider le progresso del intervention. Le operation a corde aperte, executate per Drs. A. K. Merendino e R. A. Bruce de Seattle, esseva possibile gracias al uso de un pompa oxygenatori que reimplacia temporarimente le functiones del corde e del pulmones.

➤ **Astronomia.**—Le notion que le planeta Venere possede un atmosphaera de vapor de aqua es rejicite per Dr. E. J. Opik del Observatorio Armagh in Nord-Irlanda. Dr. Opik insiste que le nubes que investi Venere es composita de pulvere roccose. Isto es plus compatible con le coloration jalne que illos exhibi. Le nubes deberea esser blanc si illos esseva aquose. Dr. Opik etiam opina que la supposition de un temperatura medie de minus 40 C pro Venere es intenable. Ille crede que plus 45 C es plus probable. Le opiniones de Dr. Opik se basa super certe premissas que es non ancora definitivemente demonstrate.

➤ **Psychiatria.**—Le institutiones statounites pro alienatos ha un population de circa 750,000. Durante le passate 10 annos, le excesso de nove admissiones super le dimissiones amontava a circa 12.000 per anno. In 1955 iste excesso descendeva a 6.000, signalante un significative melioration del situation del morbos mental que deposit 25 annos habeva monstrate un alarmante tendentia augmentatori. Infelicemente un portion considerabile del melioration es simplemente le expression statistic del facto que nove methodos de tractamento es plus compatible con permitir al patientes que illes reside a lor domicilios private.

➤ **Hematologia.**—Le normas pro rubie corpusculos e hemoglobina in le sanguine de feminas es considerabilemente plus basse que le standards stipulate in le litteratura e generalmente acceptate in le practica medical. Dr. Harriet E. Judy de Spokane in Washington basa iste conclusion super un studio de 7.000 casos. Ex iste total illa seligeva 663 individuos "patientemente normal" e derivava ab mesurationes in illas un standard feminin de 4.370.000 in loco de 4.850.000 erythrocytos e de 12,5 in loco de 13,8 g hemoglobina.

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GENERAL SCIENCE

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