

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Astronautica.—Le Instituto Memorial Battelle de Columbus, Ohio, annuncia le perfectiamento de un cellula electrolytic in que le separation de hydrogeno e oxygeno ex aqua non depende del gravitate (como il es le caso in cellulas de electrolyse conventional). In le nove cellula le fortias de gravitate es reimplaciate per le fortias generate in rotation. Un altere apparatus Battelle reduce bioxydo de carbon ad in aqua e carbon. Insimul le duo apparatus, placiante in un astronave, representarea un systema pro le regeneration de inhalabile oxygeno ex le exhalate bioxydo de carbon.

Communicationes.—Al Congresso Astronautic International a Washington, le britannic physico e litterator Dr. A. C. Clarke de Colombo, Ceylon, ha explicate su prediction que le imminente inclusion del mundo integre in un systema de satellites de telecommunication va resultar in le reduction del nunc existente 6000 linguas a non plus que tres. Iste tres, crede Dr. Clarke, va esser le chinese, le anglese, e le russo. Un forma de chinese es parlate naturalmente per 15 pro cento del homines. Un forma de anglese es parlate naturalmente per 10 pro cento del homines. Le numero total del homines qui comprende le anglese excede per multo le numeros de illes qui comprende le chinese o le russo.

Computatores Electronic.—Dice Dr. H. Wooster, chef del division de scientias informational in le bureau de recercas scientific del statounitese Fortias Aeree, que reguardar un computator como un "cerebro electronic" es pauco plus plausibile que insistere in un stilo e un pecia de papiro pensa o scribe poemas. Le periculo—popularmente discutate de tempore in tempore—que computatores potera arivar un die a insclavar intellectualmente lor creatores human es non-existente. Le ver periculo, secundo Dr. Wooster, es que perfectionate computatores va poter digerer e raffinar massas si enorme de datos que le productos de lor calculationes excedera le capacitates receptive del homine. Quanto al programmas de perfectiamento futur del computatores, Dr. Wooster exprime le concepto que—ben que le studio del funcionamento del cerebro human va certo esser de interesse pro le ingeniero de computatores—il non es probable que meliorate computatores va imitar in lor structura le structura del cerebro. Post toto, dice Dr. Wooster, in cercar a perfectiamento nostre machinas de volo nos non tenta a equipar los con plumas.

Ingenieria Electronic.—In le laboratorios del Corporation Burroughs, le modello de un miniaturisate computator electronic esseva construite, con le dimensiones de un cassa de cigarros sed con le potentias (in le solution de certe typos de problemas) de un machina traditional del dimensiones de un wagon de ferrovia. Le importantia de iste prime modello de su genere es que illo demonstra definitivamente le possibilitate practic de utilizar computatores liberamente in vehiculos de aero-cosmonavigation.

Inventiones.—Es reportate que le industria electronic russe ha disveloppate un "machina a dormir" que intensifica le profundor del somnio del individuo de maniera que ille pote functionar efficacemente con solmente duo horas de reposo per die. Le machina ha un peso de cinque libras. Illo exerce su influencia per le application de pulsos electronic al temporas. Milles e milles de russions, le reporto explica, possede iste machina (e travalia 22 horas per die).

Morbos Cardiovascular.—Le datos colligite

per le anthropologo american Dr. G. D. Gibson in le curso de un sojorno de novem menses inter le hereros del sud de Africa include le constatacion que, ben que carne e grassia animal es le plus importante alimento de ille tribo, morbo cardiovascular es rar. Il remane a determinar si iste observation confige vermente con le these que dietas ric in grassia animal promove le deposition de cholesterol in le arterias e assi le incidentia de morbo cardiovascular o si altere factores (per exemplo de genere genetic) establi le caso del hereros como un caso special.

Physica Atomic.—Un recente expedition marin del Institution Oceanographic Woodshole pare haber constatate que le precipitation radioactive post explosiones atomic es tres vices plus intense supra le oceanos que supra regiones de terra firme. Nulle explication de iste facto es currentemente cognoscite.

Physiologia.—Quaranta-octo de 53 patientes con perdita del senso olfactori se restabliava post massive injectiones intramuscular de vitamina A, secundo un reporto de Drs. M. H. Briggs e R. B. Duncan del Universitate Wellington, Nove Zelandia. Experimentos con le areas olfactori de bestial recentemente abattite habeva revelate que ille areas es normalmente ric in carotenoides e vitamina A sed que defectos del senso olfactori es associate con deficientias del carotenoides mentionate. Il existe un connexion moleculostuctural inter vitamina A e le carotenoides.

Poliomyelitis.—Dr. D. Bodian del Universitate Johns Hopkins opina que gratias al vaccino Salk, poliomyelitis es hodie un minor problema de sanitate in le Statos Unite e que—per consequente—un utilisation in massa e systematic del vaccino Sabin non es justificate. Dr. Bodian crede que ambe vaccinos ha lor placia in le armamentario anti-poliomyelitic e que il es contra le spirito de un democratia (e del scientia) de imponer le uso del un e jugular le uso del altere.

Radioecologia.—Al prime Symposion de Radioecologia a Fort Collins, Colorado, Dr. E. P. Odum del Universitate Georgia reportava su discoperta que insectos elimina artificialmente administrate radio-isotopos plus radidamente si illos ha ingerite succo de plantas salvage. Iste remarcabile virtute de succo de plantas salvage merita esser investigate additionalmente.

Recercas de Cancere.—Le injuriacion del pelle que resulta del roentgeno-irradiation therapeutic usate in le tractamento de canere cervical pote esser reduce considerabilemente per frigidar le pelle durante su exposition al energia ionisante. Un gruppo de medicos del Universitate Chicago ha utilisate a bon successo un simple systema de aqua circulante pro le mentionate objectivo.

Statistica Vital.—Dr. A. J. Coale del Universitate Princeton ha calculate que le nunc prevalentia rhythmo de augmento in le population del Statos Unite producerea—si non relentate—un milliardo de americanos in minus que un seculo, un americano per pede quadrante de territorio in 650 annos, e un peso total de americanos in excesso del peso del terra in 1700 annos.

Textiles.—Aciero inoxydabile pote esser tirate in filis de un tenuitate de duo vices illo de capillos human. Tal filis ha jam essite usate a bon successo in le fabrication de pannos, e il non pare impossibile que le vestimentero del futuro va vender vestimentos de acero si ben que de fibras synthetic. Forsan vestimentos de lana e de coton va etiam remaner disponibile.

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GENERAL SCIENCE

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