

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Demographia.**—Le Fundation Scripps pro Recercas Demographic conclude ab analyses statistic que le accrescite natalitate observate in le Statos Unite durante le passate decennio corresponde a nulle marcate augmento del numero median de infantes per familia sed reflecte le facto que le feminas statounitense se marita plus juvene e deveni matres plus juvene. Ab 1945 usque a 1955 le procentage del maritate feminas de inter 20 e 24 annos de etate cresceva ab 60 a 70, le procentage de tal feminas habente nulle infantes decreseva ab 27 a 17, e le procentage de tal feminas habente duo infantes cresceva ab 20 a 29.

➤ **Cosmetica.**—Excelente qualitates cosmetic de grassia de visones (*Mustela vison*) esseva discoperite accidentalmente per un rancho de New Jersey. Ille notava que su manos esseva semper multo dulce e delicate post que ille habeva occidite visones e removeite lor pelles. Ille consultava un pharmacista; le pharmacista le refereva a un professor de chimia pharmaceutical; le professor executava experimentos que verificava le observationes del rancho; e finalmente representantes del industria cosmetic esseva informate. Il pare que illes es multo interessate.

➤ **Aeronautica.**—Predice L. A. Ohlinger del Aerocompania Northrop, S. A., que le introduction de aeromotores a energia atomic va resultar in le disveloppamento de un systema de aeroremorcage in que series de comparative parve aviones essera trainate per un gigante "aerolocomotiva" atomic. Le copulage e le discopulamento se facera in volo, e le necessitate de atterrar le "locomotiva" va resultar primarimente del desiro del pilotas de visitar lor familias.

➤ **Recercas de Cancere.**—Un nove e promittente technica pro le studio del reacciones de cellulas canceric sub le influencia de agentes chimiotherapeutic esseva disveloppate al Universitate California. Le methodo consiste in le injection, in le fluido abdominal de muses, de cellulas canceric in stato completamente individualisate. In le fluido illos se multiplica liberemente. Simultaneamente illos causa un augmentation del fluido. Si isto es modificate per le injection de un agente chimic, le effecto super le vita e le potentia regenerative del cellulas canceric se presta a un facile studio quantitative.

➤ **Diabete.**—Esseva reportate in februario que promittente experimentos esseva in progresso in re le substitution de medicamentationes oral pro le injection de insulina in certe typos de diabete. Le medicamentos in question esseva derivatos del drogas sulfa. Illos es non ancora preste al uso general, sed incoragiante resultatos es nunc publicate per duo gruppos de experimentatores al Universitate Pittsburgh e a un del hospitales de Oakland in California. A Pittsburgh, 34 ex 44 diabeticos respondeva significativamente al administration de un del nove drogas. A Oakland tres ex sex pacientes respondeva favorablemente.

➤ **Hydrographia.**—In 1950 le Statos Unite utilisava pro objectivos agricole, industrial, etc. un quantitate total de aqua que haberea sufficite a coperir le integre pais a un profunditate de plus que 3 cm. Isto representa circa 15 pro cento del total quantitate de aqua potencialmente disponibile. Pro comprender que le question del ressources de aqua deveni de plus in plus problematic, on debe considerar que le remanente 85 pro cento es aquas de accessibilitate

multo plus costose que le 15 pro cento jam in uso.

➤ **Zoopathologia.**—Un elephante feminin de 47 annos de etate ha morite al jardin zoologic de San Francisco ab disfallimento cardiac, explicate al autopsia como consequentia de arteriosclerosis. Le patiente habeva vivite al zoo de San Francisco deposite 1925. Su morbo se distingueva ab arteriosclerosis human per le absentia de depositos grasses in le parietes del arterias minor. Il pare que isto es le prime tal caso reportate in un patiente elephantin.

➤ **Chimia.**—Proque atomos e componite radicales in stato libere possede un electron impare que aspira a entrar in composition con un altere entitate chimic, illos es multo instabile, e le studio de lor structura es difficilissime si non impossibile. Un nove aspecto del question esseva signalate per Dr. H. P. Broida del stato-unite Bureau de Standards. In un discurso al Societate Philosophic de Washington Dr. Broida discuteva le possibilitate que atomos e radicales libere deveni satis stabile quando illos es capturate in solidos a temperaturas de infra minus 200 C.

➤ **Recercas de Cancere.**—Multe formas de cancro hepatic in humanos exhibi caracteristicas que se trova normalmente in le hepate del embryon de animales plus basse in le scala evolutionari. Le cellulas de certe tal canceres es simile al cellulas hepatic del embryon del tortuca. Certe altere tal canceres forma massas del typo trovate in le hepates embryonic de serpentes. Ancora altere caracteristicas de canceres hepatic human se retrova in le hepates embryonic de porcos, gallinas, pisces, rattos, etc.—Constataciones de Dr. H. Elias del Universitate Chicago.

➤ **Technologia.**—Le Compania de Regulatores Minneapolis-Honeywell ha recipite 1200 entratas in su concurso de nove ideas pro nove usos de su commutatores. Le inventiones submitte include un reductor del volumine acustic del radio que se actiona automaticamente quando on usa le telephono. In un altere invention un commutator automatic actiona un sonalia quando le piscina es plen de aqua. Le majoritate del 1200 inventiones es ingeniose. Alicunes es mesmo practic.

➤ **Demographia.**—Le statounitense Naval Laboratorio de Recercas Arctic a Point Barrow in Alaska reporta que le fertilitate de feminas eschimo es triplicate sub le influencia del typo de alimentacion apportate per membros del racias blanc.

➤ **Atomos pro Pace, S. A.,** es le nomine de un corporation cuje "commercio" consiste in accordar un precio annual de circa \$75,000 e un medalia a un individuo o un organisation de alte meritos relative al causa del utilisation pacibile del energias atomic. Le establimento del precio, con ressources financiari contribuite per le Fundo del Compania de Motores Ford, esseva tentativamente annunciate al conferentia atomic de Geneva in agosto 1955. Le final specificationes organisatori, nunc publicate, provide que le distribution del precio es administrate per un consilio de septe individuos ab varie campos de activitate. Candidatos pro le precio pote esser proponite per non importa qual persona in non importa qual parte del mundo. Le candidatos pote representar non importa qual nationalitate, e lor contribution al causa del uso pacibile de energias atomic pote esser directe o indirecte. Le presidente del corporation es Dr. James R. Killian Jr.

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GENERAL SCIENCE

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