

# SCIENTIA INTERNATIONAL

## NOVAS DEL MENSE IN INTERLINGUA

**Cosmophysiology.** — In studios del hibernation de certe mammales, Drs. Smith e Hock del Universitate California ha trovate que le si-appellate "grassia brun" pare haber le rolo essential de iniciar un certe recalcation del organismo quodocunque le temperatura externe declina subitementamente a nivellos periculosemente basse. Le "grassia brun" es de facto massas de tissu, etiam cognoscite como "glandulas interscapular", que contine e discarga grassia in responsa a un non cognoscite mechanismo. Iste "glandulas scapular", i.e., iste "grassia brun", se trova non solmente in animales hibernante sed etiam in le homine. Illos es le plus apparente in embryones. Le facto que illos se mantene mesmo in humanos adulte va possibilemente devenir importante pro le astronautica del futuro. Il pare clar que prolongate excursions cosmic non pote esser effectuate sin que le humanos participante in illos se subijce a prolongate periodos de animation suspendite, i.e., de "hibernation artificial", e pro essayos in le induction de un prolongate "hibernation" in humanos un pre-requirimento indispensable es un plus precise comprehension del rolo e del function del "grassia brun".

**Economia de Energia.** — Le total consumo de energia per le homines es currentemente equivalente a un cento-millesimo del total energia recipite per le terra in le forma de radiation solar. Le consumo human de energia cresce currentemente in le mesura de un tertio de un pro cento per anno. Si iste crescentia continua uniformemente, nostre total requirimentos de energia va exceder in 2500 annos le provision solar per un million vices. Iste astonante conclusiones resulta de calculationes facite per le scientista russe I. Shklovskiy e publicate in le jornal russe Pravda.

**Fabrication de Papiro.** — Papiro es plus rigide e reage minus al humiditate atmospheric si illo es subijcite a tension durante su fabrication. Iste facto esseva establite al Statounitese Laboratorio pro Productos Forester in Wisconsin. Le tension es applicate quando le papiro es non ancora sic.

**Geophysica.** — Es un facto curiose que usque nunc nulle tremor de terra de plus que micromagnitudine ha essite registrate per le stationes seismographic installate in le Antarctica in le curso del Anno Geophysic International. Apparentemente le Antarctica es seismicamente multo quiete.

**Hygiene.** — In loco de chloro, ioduro de kalium ha essite usate a bon successo in le disinfection del aqua de bassinos de natation. Le advantage de iodo ante chloro es que illo non irrita le oculos.

**Inventiones.** — Esseva patentate un vehiculo hybrida que pote esser usate como automobile e como aeroplano. Le rotas, usate quando le vehiculo es un automobile, es retrahibile pro le volo. Le alas e le helices, usate quando le vehiculo es un aeroplano, es dismantabile pro le viage in autostratas.

**Ophthalmologia.** — Depost 1876, le droga pilocarpina es le plus efficace agente disponibile pro reducer le elevate pression intraocular que es le major symptoma de glaucoma e le major causa del cecitate si frequentemente resultante ab ille morbo. Un characteristic dis-advantage de pilocarpina es le breve duration de su effecto. Illo debe esser administrate a intervallos regular — mesmo durante le nocte — a fin que le pression in le oculo non attinge un grado capace a traumatizar le nervo optic. Recentemente un nove droga ha essite lanceate al mercato sub le nomine de Phosphalina que ha le mesme efficacie como pilocarpina sed que require non plus que un o duo administrationes in 24 horas.

**Radiocommunicationes.** — Le Corporation International de Telephonia e Telegraphia ha initiate un investigation del uso possibile del crusta del terra pro le transmission de signales de radiocommunication. Le frequentias con le quales le Corporation ha initiate su studios experimental es extrememente basse, i.e., 10 a 100 cyclos per secunda (a comparar con 500.000 cyclos per secunda o plus usate in le radiodiffusion conventional de programmas de intertenimento). Le advantages de un perfectionate systema de radiotransmission intra-terrestre es su independentia ab disturbance atmosferic e su inaccessibilitate pro omne genere de interferentia hostile.

• Science News Letter, 83:356 June 8, 1963

## Questions

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## SCIENCE NEWS LETTER

VOL. 83 JUNE 8, 1963 NO. 23

Edited by WATSON DAVIS

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE, Inc., 1719 N. St., N.W., Washington 6, D. C., North 7-2255. Cable Address: SCIENSERV.

Subscription rates: 1 yr., \$5.50; 2 yrs., \$10.00; 3 yrs., \$14.50; ten or more copies in one package to one address, 7/2 cents per copy per week; single copy, 15 cents, more than six months old, 25 cents. No charge for foreign postage. Change of address: Three weeks notice is required. Please state exactly how magazine is addressed. Include postal zone number.

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Printed in U.S.A. Second class postage paid at Washington, D. C. Established in mimeograph form March 13, 1922. Title registered as trademark, U.S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide, and the Engineering Index. Member of Audit Bureau of Circulation.



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