

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Agricultura. — Insecticidas que age ab le interior de un planta e non solmente a su superficie ha le advantages (1) que illos non occide insectos que non attacca le planta, (2) que illos non es abluite per pluvias e ergo non require plure applicationes, (3) que illos se extende con le crescentia del planta, e (4) que illos non impericula le obreros applicante los. Insecticidas de iste typo es designate como systemicos. Illos ha jam provate lor valor in le disparasitification de plantas de coton.

Aviation. — Un jet de transporto ha establite un nove record per portar un carga de 46 tonnas ab San Francisco a Hawai e altere destinationes in le Oriente.

Dentisteria. — Dentes in Grecia ha un alte contento de fluoruro e un basse incidentia de carie. Oleo de olivas, longemente suspecte como causa de iste beneficio, contine de facto quasi nulle fluoruro, secundo studios per Dr. D. M. Hadjimarkos de Portland, Oregon (sed originamente de Grecia). Le aqua potabile in Grecia es etiam povre in fluoruro, sed Dr. Hadjimarkos ha trovate que le sal usate in Grecia, que es un sal de origine marin, ha un contento de 40 per million de fluoruro.

Hormonologia. — Un nove hormon ha essite trovate in le glandulas pituitari de oves e de bestial. Le hormon ha recipite le nomine lipotropina. Illo age in le liberation de grassia. Su presentia in humanos remane a constatar. Etiam su effecto in humanos tractate con illo es non ancora cognoscite. Lipotropina esseva discoperite per un gruppo de recercatores al Universitate California.

Physica Nucleari. — Un tank con 4 millones hectolitros de perchlorethylene installate in un mina a un kilometro e medie sub le superficie del terra pote servir a augmentar nostre cognoscentias in re le neutrons expellite in milliardos e milliardos per nostre sol e altere corpores celeste. Le neutrino es le particula subatomic le plus difficile a observar proque illo ha nulle carga electric e nulle detegibile massa. Le neutrino reage raramente con le materia que illo transversa, un facto que se exprime in le assertion que le probabile cammino de illo a transverso un massa de plumbo ante su collision con un atomo de plumbo es circa 15 milliardos kilometros. In le supra-describite tank de perchlorethylene al interior de un mina, on poterea expectar inter 4 e 11 interactiones de un neutrino de origine solar con un atomo de chloro. Tal interactiones producerea argon-37, un isotopo radioactive le presentia del qual es facile a determinar. Un test pilota con 20 hectolitros de perchlorethylene a un profundor de circa 800 metros ha jam producite promittente resultados. — Iste datos es prendite ex un reporto per Dr. R. Davis del Laboratorio National Brookhaven in Upton, New York.

Rocchettaeria. — Le compania Douglas Aircraft in California ha elaborate planos pro le construction de un gigante rochetta de transporto que poterea attinger non importa qual region del terra in 45 minutas o minus. Tal rochettas haberea le function de deponer unitates de "infanteria instantanee" in areas critic con le mission de terminar "microguerras" practicamente al momento de lor eruption. Al start le fortia propulsive del Icarus — isto es le nomine del nove rochetta — haberea un calculate valor de 18 millones libras. Le longor del vehiculo, secundo le planos, essera circa 70 metros. In le atterrage le systema de propulsion del Icarus essera usate pro generar un fortia precise equi- e antigravitational con le resultante possibilitate de un arresto complete o un movimento glissante in le aere, lo que facilitara le observaciones necessari in le selection de un appropriate sito de descendita.

Shopping. — Stockholm in Sveda ha un supermarket que es vermente un supersupermarket. In illo le cliente non collige le merces, como ille debe facer lo in le minus moderne supermarkets american. Ille simplemente collige cartas perforate (typo IBM) — un carta pro omne desirate articulo — e presenta su collection a un computator electronic que (1) digere le cartas, (2) commanda le pacchetto del requirite merces, (3) prepara le factura, e (in plus) mantene le controllo del stock in le plus perfecte ordine. Le computator non accepta le pagamento; illo non cambia moneta; e illo non mangia le alimentos.

• Science News Letter, 85:212 April 4, 1964

Questions

ASTRONOMY—How long ago did the stars begin to form? p. 213.

ENGINEERING—How will the new Chesapeake Bay Bridge-Tunnel be ventilated? p. 218.

GEOLOGY—What new theory has been proposed for the formation of continental slopes? p. 215.

MEDICINE—When does urinary tract infection most often occur? p. 211.

PHYSICS—How is electrical power transmitted without wires? p. 216.

SOCIOLOGY—What symptoms occur in experimental rats kept in crowded quarters? p. 221.

SCIENCE NEWS LETTER

VOL. 85 APRIL 4, 1964 NO. 14

Edited by WATSON DAVIS

The Weekly Summary of Current Science, published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D. C. 20036, 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, 7½ 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.

Copyright © 1964 by Science Service, Inc., Republication of any portion of SCIENCE NEWS LETTER is strictly prohibited. Newspapers, magazines and other publications are invited to avail themselves of the numerous syndicated services issued by Science Service. Science Service also produces and distributes THINGS of science (monthly), produces and publishes books, and conducts the National Science Youth Program.

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.



SCIENCE SERVICE

The Institution for the Popularization of Science organized 1921 as a non-profit corporation.

Board of Trustees—Nominated by the American Association for the Advancement of Science: William W. Rubey, University of California at Los Angeles; Wallace R. Brode, Washington, D. C. (Treasurer); Douglas Whitaker, Rockefeller Institute for Medical Research. Nominated by the National Academy of Sciences: Harlow Shapley, Harvard College Observatory; Philip Bard, Johns Hopkins University; Henry Allen Moe, John Simon Guggenheim Memorial Foundation. Nominated by the National Research Council: Leonard Carmichael, Smithsonian Institution (President); John R. Dunning, Columbia University; Benjamin H. Willier, Johns Hopkins University. Nominated by the Journalistic Profession: Gordon B. Fister, Allentown (Pa.) Call-Chronicle; O. W. Riegel, Washington and Lee University; Ralph B. Curry, Flint Journal. Nominated by the Scripps Estate: Edward J. Meeman, Memphis Press-Scimitar; Ludwell Denny, Washington, D. C.; Charles E. Scripps, Cincinnati, Ohio (Vice President and Chairman of Executive Committee).

Staff—Director: Watson Davis. Assistant Director: Dorothy Schriver. Writers: Ann Ewing, Elizabeth Hall, Nancy Lawson, Faye Marley, Barbara Tufty, Judith Viorst, Walter Wingo, Ruby Yoshioka. Science Youth Division: Joseph H. Kraus. Photography: Fremont Davis. Production: Marcia Nelson. Conferences: Forrest L. Snakenberg. Librarian: Margit Friedrich. Interlingua Division in New York: Alexander Gode, 80 E. 11th St., Gramercy 3-5410. Advertising Manager: Fred A. Moulton, Metropolitan 8-2562, Washington, D. C.