

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Agricultura. - Experimentos conducte in Australia monstra que pasturage in trifolio rubie, typo australiano, reduce per 30 pro cento le generation de agnos in un grege de un date numero de oves-matre o, in altere parolas, le generation de agnos resultante de un date numero de copulationes. Le probabile (sed non jam provate) explicati-on del observation es le presentia de estrogeno in le mentionate typo de trefolio.

Alimentation. - Inter le anno currente e le anno 2000, le production mundial de alimentos debe esser augmentate triplicemente si on vole assecurar que le crescente numeros del habitantes human de nostre terra non va suffrer decimation per fame. Inter le anno 1940 e le anno currente, le production statounitese de alimentos agricultural se ha de facto triplicate, sed le initiation de un simile disveloppamento in altere paises incontra multe e diverse problemas. In vaste regiones del mundo, le prevalentemente technicas agricultural es inefficace, e lor modernisation require non solmente effortios de assistentia technologic sed etiam effortios de education social. Alterubi, le climate es disfavorabile. Isto non pote esser alterate, sed recerca agronomic pote disveloppapar methodos pro meliorar le adaptabilitate del productos agricultural al adversitates climatic. Le lista del problemas a attaccar es extense, sed multes inter illos pote esser e va esser resolvite. A proposito, le frequentemente citate excesso statounitese de production agricultural deveni minus impressionante quando on considera que le 27 milliones tonnas de frumento accumulate in granarios governmental in le Statos Unite sufficerea justo pro alimentar le humanitate durante duo septimanas.

Geodesia. - Al costa est de Ceylon, le statounitese nave de recercas geodetic "Pioneer" ha constatate le presentia de un declivitate continental con un angulo de abruption de 45 grados. Isto es un record. Correspondente valores es 7 grados e 15 grados al statounitese costas est e west, respectivamente.

Inventiones. - Cinquanta laminas de vitro - cata-un de un spissitate de 5 millesimos de un centimetro - es combinate per stratos de adhesivo ad in un nove typo de placa de vitro disveloppate al Instituto Technologic de Illinois. Iste vitro es un meliorate material pro "armaturas vitrose" e va etiam esser usabile in vehiculos astronavigatori. Le 50 laminas produce un placa de un spissitate de un centimetro e quarto. Quatro quintos de isto es contribuite per le adhesivo.

Pedagogia. - Al Universitate Michigan, un computator electronic combina ad in un cifra-codice varie mesurable characteristics phonic del lectura de un texto de lingua estranie per studentes post comparar ille characteristics con illos del lectura del mesme texto per un experto. Si le cifra-codice es infra un certe limite, le computator require un re-lectura per le studente. Quando le cifra-codice es supra le valor de minimo correcte, le computator presenta al studente le proxime passage.

Psychologia e Cancere. - Le acceptation public del these que cigarretas e cancere es causalmente associabile ha resultate in un certe displaciamento del predilectiones de fumatores in favor de cigarros e pipas al expensa de cigarretas. Experte reporters de congressos nota que le trend es marcate in congressos medical e paramedical sed que cigarretas continua dominar le scena de conventiones politic.

Sacrificio al Altar del Scientia. - In Japon, un homine (sub le direction de recercatores del Collegio Dental de Tokio) mordeva cinque feminas in varie regiones de lor anatomia. Le morsuras esseva photographate in serie. Marcas de dente dispareva in 20 minutas. Tumescencia comenciava intra 15 minutas e dispareva post 24 horas. Le observation del progresso del processo de guarition permitteva estimar le tempore al qual le morsura esseva infligite.

Zoologia. - Phocas del specie cognoscite in anglese como "Weddell seal" pote descender a profundores submarin de usque a quasi 400 m e traversar illac distantias subglacial de usque a 40 km. Iste extraordinari capacitates esseva observate con le uso de instrumentos attachate al phocas per un gruppo de biologos del Universitate Stanford. In lor reporto le biologos nota que le organos sensori utilisate per le phocas in lor navigation submarin e subglacial remane mysteriose.

• Science News Letter 86:68 August 1, 1964

Questions

ASTRONOMY—What was surprising in the discovery of a concentrated source of hydroxyl molecules near the center of the Milky Way? p. 66.

GEOCHEMISTRY—Where have the most recent clues to early forms of life on earth been found? p. 67.

MEDICINE—What percentage of stillbirths can be foretold by examining the amniotic fluid? p. 71.

NUTRITION—What vegetable shows promise as a preservative of meat flavors? p. 79.

PUBLIC HEALTH—Why are the Seminole Indians of south Florida natural "sentinels" of animal-borne viruses? p. 69.

ZOOLOGY—How deep can the Weddell seal of the Antarctic dive? p. 72.

SCIENCE NEWS LETTER

VOL. 86 AUGUST 1, 1964 NO. 5

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 zip code.

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: Athelstan F. Spilhaus, University of Minnesota; Wallace R. Brode, Washington, D. C. (Treasurer); Bowen C. Dees, National Science Foundation. Nominated by the National Academy of Sciences: Henry Allen Moe, The Clark Foundation; Harlow Shapley, Harvard College Observatory; Detlev W. Bronk, Rockefeller Institute. Nominated by the National Research Council: Leonard Carmichael, National Geographic Society (President); Benjamin H. Willier, Johns Hopkins University; Eric A. Walker, Pennsylvania State University. Nominated by the Journalistic Profession: O. W. Riegel, Washington and Lee University; Gordon B. Fister, Allentown (Pa.) Call-Chronicle; Ralph B. Curry, Flint Journal. Nominated by the Scripps Estate: Edward J. Meeman, Memphis Press-Scimitar; Ludwell Denny, Scripps-Howard Newspapers; Edward W. Scripps II, Edward W. Scripps Trust (Vice President and Chairman of the Executive Committee).

Staff—Director: Watson Davis. Assistant Director: Dorothy Schriver. Writers: Ann Ewing, Faye Marley, Barbara Tufty, Judith Viorst, Walter Wingo, Ruby Yoshioka. Science Youth Division: Joseph H. Kraus. Photography: Fremont Davis. Production: Marcia Nelson. Syndicate Sales: 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.