

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

► **Meteorologia**—Le tradition de usar feminin nomines proprie pro designar huracanes occurrente in le Atlantico e le Golfo de Mexico es continuata per le statunitense Bureau Meteorologic durante le currente anno 1959. Le prime huracan del anno va esser Arlene, le secunde Beulah, le tertie Cindy, etc. Un serie complete de 26 nomines con omne le initiales del alphabeto usque a Xoel, Yasmin, e Zazu ha essite preparate, sed on spera que solmente un micre parte del lista va esser requirite.

► **Cosmologia**—Gases permittite de escappar con fortia explosive a transverso un strato de pulvere resulta in le formation de crateres multo simile a illos vidite in le luna. Iste observation experimental, insimul con le reporto de activitate vulcanic in le luna, es le base de un nove theoria relative al formation del crateres lunar, publicate recentemente per Drs. A. G. Gaydon e R.C.M. Learner de London, Anglaterra. Secundo iste autores, le superficie del luna con su consistencia de pulvere arenose es perfectemente de accordo con lor theoria. Etiam le supposition del presentia de gas includite intra le massa del luna non collide con le factos cognoscite.

► **Physica**—Le yard american, in su dimension currentemente in uso, esseva definite in 1876 a base del systema metric. Hodie illo differe ab le yard anglese per quasi tres millionesimos. Iste differentia non importa multo in le vita diurne, sed in le scientia con su requirimentos de exactissime mesurationes le situation es peior que intolerabile. Esseva annunciate recentemente que illo va tosto esser remediata. Con fortia a partir del 1 de julio 1959, le bureaux de standards del Statos Unite, de Canada, de Nove Zelanda, del Regno Unite, de Sud-Africa, e de Australia propone usar le standard commun de un yard mesurante 0,9144 metros. Pro le Statos Unite isto es un reduction de 0,0000183 metros. Per un simile compromisso, le libra american, que currentemente vale 0,4535924277 kilogrammas, va amontar a 0,45359237 kilogrammas. Isto es etiam un standard de compromisso acceptate per le integre mundo anglo-saxone.

► **Mathematica**—Un machina grec, datante de ante le era christian e discoverite in 1900 in le residuos submarin de un nave naufragate duo milles annos retro, esseva recentemente identificate como un ancian precursor del moderne computadores. Secundo Dr. D. J. Price, qui ha studiate le machina in un museo de Athenas, illo esseva usate pro computar le orbitas del planetas. Dr. Price mantene que le manipulators de ille machina non esseva mathematicamente multo minus habile que lor confratres moderne. Lor machina non esseva electronic, sed isto es un question de physica e non un problema mathematic.

► **Medicina General**—In Germania Occidental, le autoritates medical ha arrivata al conclusion que le stresses del vita moderne mina le sanitas (e ergo le efficacia) del leaders de industria e politica a un tal grado que le sol remedio es le creation de "oases de quietude," ubi individuos impericulate pote passar un periodo de restauration mental, spiritual, e physic. Le prime tal "oase" ha essite installate in un turre del ancian fortificationes del citate de Rothenburg in Franconia. Le appartamenti in le turre ha essite equipate con un mobiliario de gusto impeccabile, sed omne le si-appellate "con fortos del vita moderne" es absente: Nulle telephono, radio, television, electricitate, aqua corrente, calefacion central, etc. Le vita que on

vive in le "oase" es strictemente le vita del "bon tempores passate."

► **Inventiones**—Esseva patentate un calefacibile lamina de essuga-vitro pro automobiles. Le lamina, de facto, es dupe e contine inter su partes un electric bobina calorific pro uso in tempores de nive e basse temperatura.

► **Inventiones**—Esseva annunciate le invention de un apparatusa que recovra le aqua que plantas exhala a in le atmosphaera. In principio le apparatusa es un sacco de plastico que es placiata super le planta como un tenta. Le humiditate exhalate per le planta se condensa in contacto con le tenta e rola in basso ubi illo es colligite in un purificator a carbon de ligno.

► **Sociologia**—Depost 1950, le consumption de vodka in le Statos Unite ha crescite per 3736 pro cento. Plus que 95 pro cento del consumption total es producite intra le pais. On bibe vodka pur e in plus que 40 differente mixturas, con succos de fructo o de tomate e con bouillon de bove. Iste remarcabile successo popular, in le Statos Unite, de lo que es post toto un specialitate russe remane difficile a explicar. On se demanda si forsan le russos va similemente inamaror se de Coca Cola.

► **Aeronautica**—Un gruppo de technicos anglese ha attaccate le problema de un velocipede aeree, i.e. un micre avion propellente integremente per le fortia pedal del occupante o occupantes. On ha calculate que un sportista in bon forma pote generar, durante un breve intervallo de tempore, le equivalente de un cavallo-vapor e medie. Le maximo mantenibile per un tal sportista durante un hora es probabilemente minus que un medie cavallo-vapor. Post su realisation, le velocipede aeree va a pena devenir un concurrente del moderne aviones a reaction, sed si on pensa al aerovelocipedismo como un nove type de sport, le cosa appare ben interessante. Le principal membros del gruppo es B. Shenstone, ingeniero-in-chef del British European Airways, T. Nonweiler del Universitate Belfast, e Dr. W. R. Wilkie del Collegio Universitari de London.

► **Aeronautica**—Exactemente 55 annos post le prime volo del frates Wright, un avion typo C-133 Cargomaster ha sublevate un cargo de 53 milles kilogrammas a un altitude de 3500 metros. On crede que isto es un nove record.

► **Chirurgia**—Dr. E. E. Rockey de New York ha perfectionate un micre fenestra destinate a esser implantate in le pariete exterior del trachea de patientes con morbos respiratori. Le fenestra es construite de maniera que le patiente mesme pote aperir lo pro remover muco e inserer medicamentos.

► **Aerodynamica**—Scientistas del statunitense Laboratorios de Recercas Naval ha constatate que le puncta de un flagello pote attinger un velocitate instantanee de plus que cinque quartos del velocitate del sono, i.e. de 1,25 Mach. Isto significarea que le clic-clac del flagello resulta del facto que le puncta del flagello passa le "barriera del sono."

► **Genetica**—In le laboratorios del statunitense Departamento de Agricultura, muscas del genere *Drosophila* es mantente in un receptaculo que se revolve constantemente 240 vices per minuta. Isto significa que le muscas vive sub conditiones de un decuplicate gravitate. Le effectos usque nunc observate es que le maturation del muscas es relenata e que circa 60 pro cento de lor ovos perde lor fertilitate. Le experimento es indirectemente interessante ab le puncta de vista de certe problemas astronautic.

Science News Letter, January 31, 1959

GENERAL SCIENCE

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Financial contributions to the Interlingua program are needed.

Science News Letter, January 31, 1959

SCIENCE NEWS LETTER

VOL. 75 JANUARY 31, 1959 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 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, 7½ cents per copy per week; single copy, 15 cents, more than six months old, 25 cents. No charge for foreign postage.

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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 Audit Bureau of Circulation.



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