

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Alcohol.—Le effecto de alcohol super le functionamento del systema nervose es inadecuamente cognoscite, insiste Dr. A. Carpenter del Universitate Yale. Dr. Carpenter, in collaboration con un gruppo de collegas, ha trovate a base de multe experimentos que un grande numero de notiones corrente in iste area es de facto erronee. Un bon exemplo es le "effecto relaxatori" de alcohol, un phenomeno que trova nulle supporto del toto in ulle del experimentos essayate per le gruppo de investigadores a Yale. Un remarcabile constatacion positive, del altere latere, esseva que le capacitate de subjectos human de solver complexe problemas intellectual (de mathematica, per exemplo) non suffre sub le effecto de alcohol si le consumo de illo es minus que 1 ml per kg de peso corporee intra un intervallo de 15 minutos. Le functionamento del systema motori e del systema sensori, per contrasto, es afficte multo plus brutalmente per multo plus micre quantitates de alcohol ingerite. Secundo Dr. Carpenter, intense investigationes experimental in iste area es un urgente desiderato. Que, per exemplo, es le effecto do alcohol super nostre capacitate de solver simple problemas mental? O problemas ancora plus complexe que illos mentionate in supra? Secundo Dr. Carpenter nulle responsas de fidelitate scientific es cognoscite a tal questiones al tempore presente.

Archeologia.—Le prova que le homine viveva plus que 25 milles annos retro in grupationes social del typo de nostre villages esseva establite per medio del technica de datation a carbon-14. Le specimens veniva de Iraq. Le studios esseva executate per Dr. R. S. Solecki del Universitate Columbia in New York.

Astronautica.—In le estimation de functionarios de NASA (i.e. le statounitese Administration National pro le Aeronautica e Recercas Cosmic), le recente successo del russia in inviar un homine circum le terra in un satellite artificial illumina frappantemente le stato comparative del technologia rochettari in Russia e le Statos Unite. Si il es justificate previder—assi argue ille functionarios—que le Statos Unite pote plantar humanos in le luna in 1971, il es etiam justificate previder que le russia va comenciar lor colonisation del luna in 1965 o 1966. Isto significa que le prime lunonautas american, in arivar in le luna, va esser salutate per un committee de reception sovietic.

Fructicultura.—Es ben cognoscite que pomeros seque un rhythmo bienne in lor productivitate: Un anno de ricchezza relative de pomos e de pauperitate relative de folios es sequite per un anno de pauperitate relative de pomos e de ricchezza relative de folios. Secundo un recentemente accordate patente, applicationes de varie derivatos de acido trichlorobenzoic al florescentia del annos "ric in pomos" assecura un repetition del mesme performance le anno sequente. Simile methodos essayate in le passato non se ha provate efficace.

Hygiene.—Sal de cocina, in quantitates de un coclearata o minus, pote producer serie lesiones cerebral in infantes.

Psychologia Animal.—Secundo recercas effectuete al Laboratorios Jackson de Bar Harbor, Maine, juvene canes que non es toccate e caressate per manos human durante le prime tres o quatro menses de lor vita va nunquam esser preste a entrar in relationes amical con humanos.

Recercas de Biologia Radiatori.—Serotonina, un neurohormon (que es etiam disponibile in forma purificate como droga biologic) reduce le effecto mortal de irradiationes del corpore total. Le dose de irradiation que occide

50 pro cento de un gruppo de muses experimental intra un periodo de 30 dies es normalmente 542 r. Post le tractamento con serotonina, le mesme effecto non es obtenibile per minus que 880 r. Le these que le mecanismo de iste effecto protectori de serotonina es relationate al facto que serotonina reduce le provision de oxygeno in certe tissus vital del organismo esseva testate per exponer muses (durante e post le application experimental de radios X) a un atmospha saturate de oxygeno. Le mortalitate cresceva marcatamente, in consequentia del facto—il pare—que le provision intratisular de oxygeno esseva re-aumentate contra e in despecto del tendentias inhibitori de serotonina. Iste constataciones es reportate per Dr. J. Doull e Dr. B. J. Ticou del Universitate Chicago. (Le facto que serotonina protege contra le effectos letal del irradiation es de interesse theoretic. In le practica un protector multo plus potente es requirite e—super toto—un protector retroactive.)

Recercas de Leucemia.—Cinquanta pro cento del mortalitate per leucemia es occasionate per hemorrhagias que es le consequentia directe de un carentia (1) de plachettas sanguinee e (2) del cellulas special—cognoscite como megacaryocytos—que es le productores del plachettas. Un gruppo de recercatores in Toledo, Ohio, sub le direction de Dr. B. Steinberg, ha demonstrate que le generation de megacaryocytos depende del presentia de un certe composito biochimic que non es adequatemente representate in leucemia e que le production de plachettas per le megacaryocytos etiam depende de un certe composito biochimic que etiam es representate inadecuamente in leucemia. Le scientistas a Toledo ha succedite a extraher le duo compositos ab sanguines normal. Illes appella le prime "megacaryopoiesina" e ha trovate que injectiones de illo in patientes con leucemia augmenta de facto le production de megacaryocytos (ben que non le production de plachettas). Le scientistas appella le secunde composito "thrombopoiesina" e ha trovate que injectiones de illo in patientes con leucemia (qui ha previemente recipite injectiones de megacaryopoiesina) augmenta le production de plachettas per le megacaryocytos. Il es possibile que iste discopertas va resultar in le curso del tempore in un nove therapia pro leucemia. Al momento presente, le scientistas insiste, le methodo non es un therapia sed un technica de recerca.

Scientias del Terra.—Forationes submarin al west de Mexico in le vicinitate de Guadalupe es in progresso, representante le prime phases preliminar del projecto "Mohole" que visa a perciar—ultimamente—le crusta del terra e a penetrar in le mantello. Le nave de recerca, Cuss I, que servi como plateforma pro le forationes a iste tempore, se trova ancorate in aqua de un profundor de plus que 4.000 metros. Le observationes jam facite include le constatacion que le temperatura a 150 metros infra le fundo del oceano es inexpectatemente alte. Specimens ab un foramine de 40 metros de profundor indica que 25 milliones annos retro le vita marin al fundo del oceano in le region de Guadalupe esseva extrememente ric. Hodie illo es extrememente magre.

Transporto.—Un vehiculo aero-terrestre va tosto esser producte in serie per un firma statounitese a sede in Dallas, Texas. Usate como automobile, le vehiculo attinge un velocitate de 60 millias per hora. Como areoplano illo face 100 millias per hora. Durante viages terrestre le alas occupa un carro-remolco.

• Science News Letter, 79:260 April 29, 1961

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• Science News Letter, 79:260 April 29, 1961

SCIENCE NEWS LETTER

VOL. 79 April 29, 1961 No. 17

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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