

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

► **Biochimia.**—Inter le proteinas muscular il ha un que es cognoscite al biochimicos como tropomyosina. Iste tropomyosina—como omne proteinas—contine un numero de amino-acidos. Drs. K. Laki e D. R. Kominz del statounitese Instituto National de Sanitate ha studiate le ordine del amino-acidos in tropomyosina ab vermes, homaros, pisces, conilios, etc., e etiam ab humanos. Illes ha trovate que le scala evolutivari es reflectite in un ordine progressivamente plus regular e systematic in le arrangemento de amino-acidos de tropomyosina.

► **Zoocosmetica.**—In phocas e leones marin le masculo ejice a certe tempores un dulce odor que pare attraher le femininas. Dr. J. E. Hamilton, qui habita le Insulas Falkland e qui ha discoverite le supra-mentionate facto, insiste in su reporto que il se tracta de un odor que essera ben acceptabile como perfume secundo nostre standards human.

► **Agronomia.**—A Anand in India un fabrica esseva recentemente installate pro le production de lacte pulverisate. On spera que su rendimento diurne va tosto esser 12,500 libras. A parte le lacte pulverisate, le fabrica va etiam producer crema sterilisate, nutrimento pro neonatos, e lactosa. Le aspecto inusual de iste reporto es que il se tracta non de lacte de vacca sed de lacte de buffalo.

► **Medicina.**—Dr. V. H. Krishnamurthy del Instituto Governmental de Vaccinologia a Bangalore in India ha publicate in le periodico german "Die Naturwissenschaften" un reporto de su discoperta que in le sanguine de patientes de varicella il ha un augmento per quasi 100 pro cento in le concentration de globulina beta e minus frappante augmentos del concentration de globulina alpha₂ e de globulina gamma. Iste alterationes pare esser de valor diagnostic. Illos esseva constatate in 40 casos consecutive de varicella. Le methodo usate in le studio esseva electrophorese a papiro.

► **Agronomia.**—Le fermeros de Singapore e Malaya usa, como alimento pro gallinas, lacte de butyro in forma de un pulvere de color verde. Iste pulvere es importate ab Nove Zelandia. Illo es verde non proque le vaccas de Nove Zelandia produce lacte verde sed proque le industria del productos de lacte in Nove Zelandia misce lo con un colorante pro facilitar su distinction ab pulveres de lacte que es destinate al consumption human.

► **Cosmologia.**—On crede (e de vero: on sape) que un grande portion del radiosignales diffundite ab fontes cosmic es absorbite per le copertura atmosferic del terra e escappa assi al detection per le moderne antenas de radioreception astronomic. On plana equipar futur satellites artificial con radioreceptores adjustate a definite frequentias cosmic e con diffusores capace a traducer le signales cosmic a altere frequentias e a rediffunder los verso le terra.

► **Energia.**—Un typo de potentissime "batteria" resulta, al minus theoreticamente, del recente discoperta que atomos de varie gases perde lor irresistibile tendentia a combinar se in moleculas si post lor isolation fortiate illos es includite in un certe maniera in solidos con temperaturas in le vicinitate de zero absolute. Le recombination de tal atomos in moleculas normal es accompagnate per le liberation de enorme energias. On specula que forsan on pote regularisar iste liberation e allora servir se de su energia pro objectivos practic.

► **Geophysica.**—Le Servicio Cartographic del

statounitese Fortias Armate annuncia que le plus recente studios permette un correction del magnitude traditionalmente citate pro le radio del terra al equator. Le ancian valor esseva erronee per un excesso de plus que 100 m. Le nove valor es 6.378.260 m. Le plus alte precision possibile in le determination del radio terrestre es indispensable pro le exacte calculation del orbita de satellites artificial e etiam pro le calculation del curso de ballistic missiles intercontinental.

► **Archeologia.**—In un excavation a St. Albans in Anglaterra on ha discoverite un colonia de 18 vermes de terra vivente pacibilemente al fundo de un fossa que esseva aperte al tempore del romanos sed que deposit ha essite coperite per estructuras e stratos de terra amontate a un spissitate de 5 m. Il es necessari supponer que le vermes forma un colonia de descendentes racialmente pur de un ancestre commun que viveva quasi 2.000 annos retro.

► **Litteratura Scientific.**—In textos scientific publicate in le pais anglo-saxone, il es costumari servir se del symbolos * e † pro referer le lector a certe typos de notas al pede del pagina. Le occurrentia del secunde de iste symbolos post le nomine de individuos ha resultate in multe miscompreensiones tragicomic, proque in le majoritate del pais de civilisation occidental le presentia de † post un nomine personal indica que le individuo in question es morte. Dr. Ch. F. Richter del Laboratorio Seismologic a Pasadena ha initiate un campania pro le eliminacion del ambigue symbolo.

► **Recercas de Cancere.**—Le musca drosophila passa ab le stadio de pupa al stadio adulte sub le effecto de un hormon que entomologos appella le hormon de pupation. On ha constatate que le suppression del hormon de pupation resulta in drosophilas in le formation de crescentias cancerose. Cellulas ab iste crescentias pote esser culturate e se comporta allora como cellulas cancerose. Lor conducta pote esser renormalisate per le addition del hormon. Dr. C. H. Haddox del Universitate Louisiana, le discoveritor de iste factos, tenta nunc obtener un sufficiente quantitate del hormon de pupation pro poter essayar lo como medication anticancerose in experimentos animal.

► **Agronomia.**—Vaccas in le Status Unite monstra le disquietante tendentia a parturir vitellos nanos. Le nanismo bovin es heritable per genes que debe esser identificate si on vole eliminar le vaccas que es lor transmittitores. Si iste objectivo non es attingite, on calcula que tosto cata septime vitello va esser nano. Le recerca de methodos de identification del genes de nanismo ha non ancora succedite. Le plus promittente es un technica roentgenologic que, nonobstante, presenta ancora grande difficultates de standardisation.

► **Gerontologia.**—On sape que le capacitate respiratori de humanos se reduce in le curso del vita. Secundo recercas al Instituto National del Corde a Baltimore, iste reduction—specialmente ante le etate de 50—non corresponde a un reduce volumine del pulmones o a un reduction de nostre fortias respiratori. Illo resulta plus tosto del facto que in le curso del vita il ha un inexplicable augmento del contento de aere stabile in le pulmones. Iste contento stabile es le volumine de aere que remane in le pulmones a transverso le cyclo respiratori, i.e. le volumine de aere que non es ejicite mesmo per le plus energetic effortio de expiracion.

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GENERAL SCIENCE

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