

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

Astronomia. — Le 29 de octobre e de novo le 27 de novembre 1963, le grande crater lunar que es cognoscite como Aristarcho esseva marcate per un inaccostumate coloration rubie que ambe vices persisteva durante circa 45 minutas. Le causa del phenomeno non es cognoscite.

Materiales. — Un nove cauchu a silica plus thermoresistente que aciero esseva disveloppate in le laboratorios del compania General Electric.

Metallurgia. — Le duessa de aciero pote esser mesurate per medio de un nove apparato que non tocca le metallo e non require su arresto si illo es in motion. Le apparato esseva disveloppate per un firma in Ohio. Illo induce campos magnetic in areas critic intra le aciero e determina le duessa de illo a base de su comportamento in ille campos.

Meteorologia. — Secundo Dr. James Van Allen, il pare nunc definitemente establite que auroras es manifestationes de tempestas de electricamente cargate particulas de origine in le cinturas de radiation currentemente cognoscite como cinturas de Van Allen. Le observations que supporta iste conclusion esseva facite con le adjuta de satellites artificial. Le fonte del alte energia del mentionate particulas remane mysteriose.

Radiologia. — Un studio del causas de morte de 525 masculine radiologos de inter 35 e 74 annos de etate ha revelate un representation significativemente elevate de leucemia, anemia aplastic, e myeloma multiple. Le studio esseva conducite al Instituto Technologic de California.

Recercas de Cancere. — Un studio international del curso clinic de cancer mammary pare indicar que le mortalitate in ille condition es circa 50 pro cento post cinque annos e 70 pro cento post dece annos e que le typo de therapia usate exerce pauc o nulle influenza super le ultime resultado. In su reporto del studio, le autor — Dr. E. F. Lewison de Baltimore — assere que on debe demandar se seriemente si le statisticas cancerologic compilate in nostre hospitales reflecte vermente le effecto de chirurgia e radiotherapia o simplemente le curso natural del morbo.

Seismologia. — Pro prognosticar tremores de terra, Dr. D. S. Carder del statounitese Servicio Geodetic propone le installation de "geophonos" in profundos de plure centenas de metros infra le superficie del terra. "Geophonos", jam usate in minas, es sensibilissime instrumentos capace a deteger le debile vibrationes que occurre in rocca ante le colapso de un mina e ergo etiam — secundo le rationamento de Dr. Carder — le vibrationes causate per le tensiones e pressionis que es presente in le terra ante le tremor a propriemente parlar. Iste instrumentos essera installate in areas traditionalmente menaciate de tremores de terra.

Technicas de Salva-Vita. — Le tractamento conventional pro invenamento per monoxydo de carbon — i.e. le administration de oxygeno — pote, il pare, esser grandemente potentiante per exponer le sanguine del victima a pur oxygeno in un machina de circulation extracorporee del typo usate in chirurgia cardiac. In le machina le sanguine es simultaneamente exponite a un forte lumine. Iste ultime detalio, que es importantissime, esseva suggestionate per un reporto (publicate verso le fin del passate seculo) que lumine es capace a disrumper le ligaminage chimic de hemoglobina con monoxydo de carbon. Le nove technica esseva disveloppate al Schola de Medicina Colorado. In experimentos con canes, 80 pro cento del canes tractate con oxygeno extracorporee e lumine post invenamento per monoxydo de carbon se restabliva durante que nulle del non assi tractate canes de controlo superviveva. Le applicabilitate del methodo a humanos es currentemente sub investigation.

Textiles. — Un nove typo de pannos pro infantes es texite ex duo differente fibras: le un hydrophobic, le altere hydrophilic. In le completate panno, le fibras es distribuite de maniera que le genere hydrophobic tocca le pelle del infante durante que le genere hydrophilic es al extero. Le effecto es que le infante remane sic plus longemente.

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