

# SCIENTIA INTERNATIONAL

## NOVAS DEL MENSE IN INTERLINGUA

➤ **Energia Atomic.**—Esseva ponite in servicio le prime exemplar de un typo de reactor nucleari que es aerotransportabile e capace de un production de 3.000 kilowatts thermal. Illo es destinate a satisfacer le requirimentos de energia e calor in isolate e remote stationes militar. Su "combustibile" es un carga de uranium arricchite que debe esser reimplaciate non plus que un vice omne tres annos.

➤ **Psychiatria.**—Schizophrenia es un specie de "immaturitate chimic del systema nervose," secundo Dr. S. Bogoch del Universitate Harvard. Ille ha constatate que fluido cerebrospinal de schizophrenicos contine un anormalmente basse concentration del composito organo-chimic que es designate como acido neuraminic. In isto le schizophrenicos es comparabile a juveniles normal de minus que septe annos de etate. Le function cerebral del composito es incognoscite. Dr. Bogoch crede que illo ha a facer con le mantenentia del barriera sanguino-cerebral. Experimentos con le uso therapeutic del composito es in progresso.

➤ **Antibioticos.**—Le veneno de un nocivissime formica importate ab Mexico a in le Statos Unite (*Solenopsis geminata*) possede proprietates antibiotic non trovate in ulle altere veneno de insecto. Illo inhibi le crescentia de varie microorganismos; illo es toxic pro multe altere insectos; su possibile effectos cytostatic in tumores maligne es sub investigation al Universitate Louisiana.

➤ **Avicultura.**—Le periculo del propagation de psittacosis per parochettos es virtualmente eliminabile per le inclusion de tracias del antibiotico chlortetracyclina in le dieta del aves. Granos cereal tractate con chlortetracyclina ha jam apparite al mercato. Le aves los inglutit sin resistencia e beneficia in vitalitate e comportamento.

➤ **Agronomia.**—Le guerra inter Australia e su population de conillos ha entrate in un nove phase. Le morbo viral, myxomatosis, que pareva si promittente alcun annos retro, comencia perder su efficacia. Nunc on utiliza le veneno fluoro-acetato de natrium. Illo es efficacissime, sed a causa del periculo que illo representa pro le bestial, su application debe esser regulate strictissime per le governamento.

➤ **Apicultura.**—Es reportate ab le Instituto pro Recercas Medical a Johannesburg in Sud-Africa que hypersensibilitate a piccaturas de ape pote esser combattite per injectiones intracutancee de un filtrate extracto ab un pasta consistente del molite corpore de centenas de apes. Ex 47 individuos assi tractate, 4 reportava nulle melioration, 1 notava un leve melioration, 19 regardava lor melioration como frappante, e 23 ha non ancora essite repiccate.

➤ **Radiophonia.**—Esseva disveloppate per le armae statounitese in collaboration con RCA un nove typo de ascoltator-casco que elimina quasi completamente omne disturbance per sonos extranee (como illos de motores, explosiones, etc.). Le nove ascoltator contine un microphono que responde al sonos extranee per reproducer los in phase contrari, i.e. per amortir los.

➤ **Inventiones.**—Esseva patentate un bloco de vitro, pro le construction de mures in edificios domiciliari, que admite le lumine exterior sed deflecte lo verso le plafond. Illo contine prismas partialmente opacificate pro supprimer omne non-desirable deflexion in basso.

➤ **Vitaminologia.**—Duo scientistas del Universitate Calcutta ha studiate numerose amphibios, reptiles, aves, e mammiferos con respectu a

lor capacitate o incapacitate de synthetisar vitamina C (acido ascorbic). Le resultados del studio pare indicar que in le curso del ascension evolutionari le capacitate de synthetisar vitamina C passa ab le ren al hepate e postea se perde completamente. Illo non existe in le primates e non in le vespertilion fructivore de India (que es tradicionalmente considerate como affini al primates). Illo existe in le ren de amphibios e reptiles e de certe aves. In aves de evolution comparative recente illo non se trova in le ren sed in le hepate. In un specie de bulbules illo es absente.

➤ **Statistica Hospitalari.**—In 1957 (comparate con 1956), le hospitales statounitese serviva 22.993.000 patientes (+900.000). Nasceva in hospitales 3.739.259 infantes (+248.118). Le total medie del individuos hospitalisate a un momento particular esseva 1.320.000 patientes e 48.775 neonatos. Le summa medie disburse per le hospitales diurnemente pro omne patiente temporari esseva \$26,81 (+\$1,82). Le duration medie del hospitalisation del patiente individual esseva 7,4 dies (−0,1 dies). Le personal de servicio hospitalari esseva 107 pro omne 100 casos (+6). Trenta-sex pro cento del hospitales habeva minus que 50 lectos, 23% habeva inter 50 e 99 lectos, 27% habeva inter 100 e 299 lectos, e solamente 14% habeva plus que 300 lectos. Le numero total del hospitales in iste statistica es in le vicinitate de 7.000.

➤ **Aviation.**—Un specie de cordon umbilical pro helicopteros ha essite perfectionate per le Division Sikorsky del Corporation United Aircraft. Illo ha un longor de circa 20 m. Quando un helicoptero equipate con le cordon approcha le terra, le pilota abassa lo, e un membro del equipa de atterrage sasi lo e usa lo pro comandar le helicoptero sin ulle adjuta per le pilota. Le transmission del directivas se face integremente per medios electronic. Per relaxar le cordon o per tirar lo in basso o lateralmente on pote inducer le helicoptero a executar varie manovras de maniera multo plus precise e de typo multo plus complexe que es possibile pro le pilota qui non dispone de un favorable campo de vision immediate infra su machina. Le cordon-guida promitte devenir utilissime in le empleo de helicopteros in placiari palos in cavos previamente excavate, in cargar e descargar camiones e altere vehiculos, in placiari prefabricate sectiones de turres e altere edificios in position, e in innumerabile altere interprisas de natura similar.

➤ **Metallurgia.**—Le laboratorios del statounitese fortias aeree annuncia successo in le combination de metallos non combinabile in allegatos conventional in consequentia de lor grandemente differente temperaturas de fusion. Le nove methodo usa altissime energias in bombardar un metallo (per exemplo aluminium) con micrisime granos de un taltere (per exemplo iridium) e fortia assi le granos del secunde in le poros del prime. Le diametro del granos es minus que un centesimo de un millimetros.

➤ **Cosmogonia.**—Dr. T. P. Kohman, nunc del Instituto Max Planck pro Chimia a Mainz, opina que le typo e grado de radioactivitate constatate in certe specimenes de tectite (mysteriose granos vitrose trovate in Bohemia, Est-India, Australia, etc.) es incompatible con le supposition que le tectites es de origine terrestre o mesmo de origine intra nostre systema solar. Secundo Dr. Kohman, illos debe venir ab altere regiones del universo.

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### GENERAL SCIENCE

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