

# SCIENTIA INTERNATIONAL

## NOVAS DEL MENSE IN INTERLINGUA

**Automobilismo.** – Velocitates maxime – secundo Dr. J. E. Baerwald del Universitate Illinois – deberea esser establite exclusivemente per qualificate ingenieros de automobilismo. Dr. Baerwald etiam recommenda que velocitates maxime sia establite pro conditiones local a base de principios formulate al nivello del statos (e non del communitates). Finalmente, ille nota que le establimento de velocitates minime es forsan non minus importante pro le salvitate del automobilistas que illo de velocitates maxime.

**Dentisteria.** – Al minus 71 milliones humanos bibe artificialmente fluorurate aqua. De istes, plus que 45 milliones habita 2.519 "fluorurate" communitates in le Statos Unite. Canada ha 202 tal communitates (quasi 4 milliones personas). In Europa, le Pais Basse es "le plus fluorurate", con 15 communitates (52.000 personas) recipiente aqua a supplementation artificial de fluoruro. Puerto Rico e Hong Kong es le sol duo areas inter le 90 questionate per le Federation International de Dentisteria ubi le population total bibe aqua fluorurate.

**Ornithologia.** – Aves migratori – hirundines, per exemplo – se prepara pro lor enorme treks per accumular fontes de energia, principalmente in le forma de grassia que alora amonta a usque a 50 pro cento de lor peso corporee. A altere tempores – quando illos pone ovos, per exemplo – grassia es non plus que 5 pro cento de lor peso corporee. (Recercas al Universitate Statal Washington.)

**Physica Atomic.** – Dr. G. T. Seaborg, preside del Statounitese Commission pro le Energia Atomic, ha recipite un patente pro su methodo de producer le elemento 96, le qual es etiam cognoscite como curium. Un mense retro, Dr. Seaborg obteneva un simile patente pro le elemento 95, i.e., americium. Al tempore del creation de curium, nulle uso practic del nove elemento esseva evidente. Intertanto il ha essite trovate que curium es un potente fonte de neutrones e de calor. Dr. Seaborg tene plus que 40 patentes, sin contar plures sub application.

**Progressos Scientific.** – Le dece major progressos scientific, medical, e technologic del anno 1964 esseva listate per Dr. Watson Davis, Director de Science Service, sequentemente: (1) Photographias de proximitate del luna, facite per le statounitese vehiculo astronomic, Ranger 7. – (2) Circumorbitation del terra per un team de tres cosmonautas russe. – (3) Reporto incriminante cigarretas como causa de cancre pulmonar e de altere morbos. – (4) Plus extense recognition del periculo del explosion del population, con regulation del nascentias e attitudes plus elastic del Ecclesia Catholic. – (5) Le discoperta de "quasars" (corpores quasi-stellar), que es violentissime e potentissime fontes de undas de lumine e radio, possibilemente alimentate per le colapso de undas de gravitate. – (6) Explosion del bomba atomic chinese. – (7) Discoperta del meson minus omega in le nucleo atomic. – (8) Le uso de folios de auro a carga electric pro evitar adhesiones chirurgic. – (9) Discoperta de substantia brun super bullas de aere in le oceano como vaste fonte de nutrimentos marin. – (10) Production de un nove material per le impregnation de ligno con plastico, solidificate per irradiation gamma. (Un lista plus extense de 383 "progressos" del anno es publicate alterubi.)

**Technologia.** – Un efficace protection anti choc de delicate instrumentos (e.g., instrumentos in satellites durante le manovras de lanceamento) pote esser effectuate per le inclusion de tal instrumentos in solide blocos de un composito de polymeros ex le classe cognoscite como polyoxymethylenos. Post que le periculo de damnification per choc ha passate (e.g., quando le satellite ha arrivate in orbita), le composito se vaporisa completamente providite que illo es expone a basse pression atmosferic (i.e., le typo de pression naturalmente presente in le ambiente de un satellite in orbita). Un patente pro iste methodo esseva assignate al statounitese Administration pro Astro- e Cosmonautica.

• Science News Letter, 87:4 January 2, 1965

## Questions

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