

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

► **Technologia Medical.**—Le Corporation Electric Westinghouse reporta progresso in le disveloppamento de un lampa ultraviolette capace a producer un forte ionisation negative del aere. Le projecto de disveloppar un tal lampa esseva inspirate per le observation practic que ionisation negative del aere allevia asthma, febre de feno, sinusitis, mal de capite, e mesmo rheumatismo e arthritis. Il pare etiam que ionisation negative promove le sensation de ben-esser general de personas qui non suffre de ulle condition pathologic. Ionisation positive ha effectos contrari. Nulle explication de iste observationes ha essite trovate. Le facto que lampas ultraviolette allevia febre de feno es ben cognoscite. Tamen, le theoria, frequentemente audite, que le ozon producite per tal lampas destrue le pathogenos in le aere non pare esser tenibile. Le factor active es plus probabilemente le iones negative.

► **Recercas De Cancere.**—Recercatores american ha colligite milles e milles de punctas de cigarrettas in le stratas de New York, Chicago, Pittsburgh, e Los Angeles pro determinar qual portion del cigarrettas comprate per le publico es vermente fumate e qual parte dispare in le cloacas. Esseva constatate que le fumatores american disjice 40 pro cento de lor cigarrettas in le forma de punctas non fumate. Un simile studio in Hollanda ha demonstrate que le hollandeses disjice solmente 25 pro cento de lor cigarrettas. Tal datos es importante pro le correlation inter cancro pulmonar e le consumption de cigarrettas. Per exemplo: le incidentia de cancro pulmonar in Anglaterra es plus alte que in le Statos Unite, sed le consumption de cigarrettas es plus basse. Nunc, si le angleses fuma como le hollandeses, lor ver consumption de tabaco in cigarrettas suffice pro explicar lor alte incidentia de cancro pulmonar; sed si illes fuma como le americanos, le incrimination de cigarrettas in le causation de cancro pulmonar deveni multo minus forte. Un programma de colliger e mesurar punctas de cigarrettas in le stratas de plure citates in Anglaterra ha essite initiate.

► **Recercas De Poliomyelitis.**—Dr. H. Koprowski, director del Instituto Wistar in Philadelphia, reporta que un vaccino antipoliomyelitic que contine virus vive sed attenuate se ha provate plus efficace e plus practic que le vaccino de Salk que contine le virus in forma non attenuate sed morte. Le vaccino a virus vive pote esser ingerite in le forma de pillulas e require nulle complexe technicas de sterilisation. Illo ha essite tentate in 275.000 subjectos, e nulle de istes ha contrahite poliomyelitis. Le subjectos usate in iste programma de vaccination experimental esseva habitantes del Statos Unite e del Congo Belge.

► **Atomos Pro Le Pace.**—Le prime precio "Atomos pro Pace" esseva accordate in 1957 a Dr. Niels Bohr. Le secunde va honorar Dr. G. C. de Hevesy de Stockholm qui es le initiator del utilisation de isotopos radioactive in investigationes biologic. Dr. de Hevesy esseva seligite unanimemente per le committee executive del precio, ben que 111 candidatos habeva essite proponite. A parte le honor e un medalia de auro, le precio vale \$75.000. Illo esseva establite pro honorar le memoria de Henry e Edsel Ford. Su establimento esseva un responsa al appello de Presidente Eisenhower, in Geneva in 1955, in favor de effortos international pro le utilisation pacibile del energias atomic. Dr. de Hevesy es accostumate a recipere precios. In 1943, ille esseva honorate per le precio Nobel pro chimia.

► **Automobilismo.**—In Anglaterra on ha perfectionate un signal de traffico equipate a prolongar automaticamente—i.e. electronicamente—le duration del lumine verde usque a un certe maximo, pro assecurar que un vehiculo que crucia un strata non es sorprendite per un cambiamento de signal ante que illo ha arrivare al altere latere.

► **Recercas De Cancere.**—Un gruppo de cercatores medical de Texas signala in un reporto in le jornal *Cancere* que le presentia de arsenico in tabaco merita plus attention como factor possibile in le correlation inter consumption de tabaco e incidentia de cancro pulmonar. Le arsenico in tabaco es contribuite per insecticidas. In un numero de essayos su concentration in tabaco commercial esseva 17 vices plus alte que le maximo tolerate in alimentos secundo le leges statounitese.

► **Hypertension.**—Studios reportate al Symposio Super Hypertension al Collegio Medical Hahnemann a Philadelphia indica que le norma del tension de sanguine in populos oriental es plus basse que in populos occidental. On crede que factores hereditari plus tosto que dietari o alteramente social es responsabile pro le differentia. Le incidentia de hypertension, del altere latere, pare esser plus alte in le Oriente que in le Occidente. Esseva etiam reportate que apoplexia es le plus importante causa de morte in Japon. Su incidentia in Japon es 100 pro cento plus alte que in le Statos Unite.

► **Medicina General.**—Un masca chirurgic ex plastic, multo plus efficace que mascas de gaza sed equalmente comfortable, ha essite perfectionate e es preste a esser lanceate al mercato. Le creator del nove masca reporta tests indicante que mascas conventional lassa passar 145 colonias bacterial intra 5 minutas. Le correspondente cifra pro le nove masca es 1,2 colonias. Previa essayos de utilizar plastic in le fabrication de mascas chirurgic non ha succedite, apparentemente proque insufficiente attention esseva prestate al factor que tal mascas debe esser confortabile pro le portator. Le importantia de iste aspecto deveni clar si on considera que chirurgos passa frequentemente sex a octo horas al tabula de operation. Evidentemente illes non pote tolerar que un masca discomfortabile disrumpo lor concentrate attention chirurgic.

► **Psychiatria.**—Dr. R. H. Klein, in su capacitate de functionario del Association American de Psychiatria, ha visitate le grande hospital psychiatric Kashenko a Moscovia. In su reporto ille nota le excellentissime servicios nosocomial a Kashenko e adde le admission que ille esseva satis suprendite de trovar un tal institution, dedicate a promover—in spirito humanitari—le ben-esser de esseres sin valor social in le senso material, "sub un governmento que es (secundo le conception conventional del americanos) sin interesse in le individuo excepte in tanto que ille pote servir le stato."

► **Architectura.**—Le tecto del refectorio del nove academia de cadettes del statounitese marina ha un peso de plus que mille tonnas e forma un arco libere de plus que septanta metros de extension. Iste cifras es impressionante sed non extraordinari. Sed un aspecto extraordinari del cosa es que iste tecto esseva fundite de beton super un modulo formate de terra, i.e., un specie de collina artificial. Quando le beton se habeva solidificate, le collina esseva excavate, e alora le tecto complete esseva aliante super su prefabricate columnas de supporto per medio de levatores hydraulic.

Science News Letter, December 27, 1958

GENERAL SCIENCE

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Financial contributions to the Interlingua program are needed.

Science News Letter, December 27, 1958

SCIENCE NEWS LETTER

VOL. 74 DECEMBER 27, 1958 NO. 26

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. Entered as second class matter at the post office at Washington, D. C., under the act of March 3, 1897. Acceptance for mailing at the special rate of postage provided for by Sec. 34.40 P. L. and R., 1948 Edition, paragraph (d) (act of February 28, 1925; 39 U. S. Code 283) authorized February 28, 1950. 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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