

SCIENTIA INTERNATIONAL

NOVAS DEL MENSE IN INTERLINGUA

➤ **Experimentos Animal.**—Le famose Laboratorios Memorial Roscoe B. Jackson a Bar Harbor produce un million de muses per anno, 350,000 destinate al distribution national e international a numerose centros de recerca, le resto pro recercas a Bar Harbor mesme. Iste total annual corresponde a un production diurne de 3000 muses. Inter le 60 racias de muses elevate a Bar Harbor, il ha certes con un historia de genetica regulate correspondentemente a 4000 annos de vita human.

➤ **Chirurgia.**—Claudication intermittente ha essite tractate con bon successo per graffos de membrana amniotic. Iste effecto suprende esseva discoperite accidentalmente per Dr. E. Troensegaard-Hansen de London. Ille usava le membrana in graffos coperiente ulceres del gamba e notava le disparition del claudication que simultaneamente habeva essite presente in certes del patientes. Le explication del effecto anti-claudicante del membrana amniotic es probabilemente que illo stimula le formation de nove vasos de sanguine e assi augmenta le circulation.

➤ **Pisca.**—Pro taciare migrationes e movimientos de crangones, il es impossibile servir se del usual methodos de etiquettage que funciona si ben in le caso de aves e etiam de pisces, proque le crangon ha le characteristic de un frequentemente repetite muta que evidentemente disrancia omne typo de etiquettage traditional. Le problema ha essite solvite per expertos al Instituto del Scientias Marin al Universitate Texas. Illes injice colorantes in le capites del crangones, e iste colorantes non es afficite per non importa qual numero de mutas. Le resultado es crangones con capites verde, blau, rubie, e altere colores phantastic.

➤ **Oceanographia.**—Pro studiar le movimento de arena e petras al fundo del oceano presso al costa, scientistas anglese experimenta con un methodo de "radiotraciage." In illo, le isotopo barium-140 es inserite in formamines effectuate in petras que es subsequentemente reabandonate in le aqua. Lor movimientos sub le effecto del currentes de fluxu e refluxu es nettemente traciabile per contadores Geiger. On spera que le perfectionamento del methodo va resultar in un importantissime instrumento pro le studios de physiographia costal.

➤ **Agronomia.**—Le uso del hormon feminin stilbestrol (in forma synthetic) pro accelerar le crescentia de bestial de consumo ha essite approbate per le statounitese Departamento de Agricultura post que extense experimentos practic con administrationes excessivissime de stilbestrol demonstrava que le carne del animales devorante lo non contine ulle tracia mesurable del hormon. Le doses de stilbestrol usate in iste experimentos excedeva per multo le doses maximal que es legalmente autorisate in le ingrassage de bestial.

➤ **Agronomia.**—Le processo de maturation de fructos es associate con le production de ethyleno. Il pare que le gas ha un function in le processo maturatori mesme, proque so application experimental a varie fructos ha resultate in un certe acceleration de lor maturation. Un gruppo de scientistas del Universitate California ha nunc constatate que le fructo de *Passiflora* es le champion inter le fructos producente ethyleno. Le facto ha nulle apparente signification practic, sed illo es certo theoreticamente interessante.

➤ **Anthropologia.**—Un programma de sanitare e hygiene public ha essite initiate inter le indianos navajo de Arizona. Le plus notabile

aspecto de iste programma es que illo non es imponite dictatorialmente sed que on cerca pro illo le cooperation voluntari del indianos mesme. Le plus grande numero de membros del personal es navajos. On se effortia etiam a obtener le collaboration del exorcistas indian. On admittit que il existe areas de sanitare e hygiene in que le arte del exorcistas es irremplacabile, sed on insiste que il ha etiam areas in que le scientia medical del homines blanc es superior.

➤ **Psychologia Physiologic.**—Experimentatores al Universitate Illinois ha constatate que rattos prefere normalmente aqua ordinari a aqua distillate. Si le animales suffre grande sete, illos non manifesta ulle tal preferentia. Le experimentatores deriva nulle conclusion ab lor observationes, sed illes nota que le situation es plus o minus le mesme in le caso del humanos.

➤ **Entomologia.**—Ex le verme de seta *Cecropia*, Dr. C. M. Williams del Universitate Harvard ha succedite a extraher (per medio de petroleo) un hormon que neutralisa per su presentia le factores que causa le metamorphose del larvas de ille insecto in tineas adulte. Le application experimental de iste hormon antimetamorphic a larvas de *Cecropia* preste a metamorphisar se ha resultate in le disveloppamento de monstros non-viabile. Currentemente on se effortia a synthetisar le hormon antimetamorphic de *Cecropia* e su equivalentes in altere species de insectos. Si on succede, on va haber trovate le insecticida ideal, proque il es multo improbable que insectos pote unquam devenir resistente contra lor proprie hormones.

➤ **Medicina General.**—Le mechanismo del promotion de tuberculose per le alteremente si benefic droga cortisona esseva clarificate per un gruppo de medicos de London in Anglaterra qui studiava le problema in casos representative de tuberculose experimental del oculos de muses. Le mechanismo es complexe, sed un principal aspecto de illo es que cortisona paralysa le leucocytos in lor function de annihilare le bacillos tuberculosic, de maniera que iste bacillos deveni capace a vincere le leucocytos que es lor inimicos natural.

➤ **Obstetrica.**—Le cyclo feminin se manifesta, inter alteras, in un fluctuation del temperatura corporee. Iste facto es generalmente cognoscite. Es etiam cognoscite que le temperatura del corpore feminin attinge su maximo plus o minus exactemente al tempore del ovulation (i.e., le evento que initia le periodo le plus favorabile pro le conception). Nunc un gruppo de medicos del Universitate California ha demonstrate que le ovulation es etiam (e plus precisemente) recognoscibile per le facto que illo coincide con le maximo del (equalmente fluctuante) conto del plachettas in le sanguine.

➤ **Entomologia.**—Un inquesta conducite per entomologos del Universitate Rutgers a New Brunswick in New Jersey revela que le majoritate del commissiones pro le lucha contra insectos nocive in Canada e le Statos Unite prefere de plus in plus le uso de mesuras "permanente" in loco del application de insecticidas. Tal methodos "permanente" es super toto le elimination de paludos per drainage o per le disveloppamento de lacos a aqua fresc in lor loco. Iste ultime methodo utiliza le voracitate natural de pisces pro larvas de insectos. Le inquesta revela etiam que le resistentia de mosquitos contra DDT deveni rapidemente de plus in plus universal.

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GENERAL SCIENCE

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