

SCIENTIA

International Review of Scientific Synthesis - Founded in 1907

Scientific Editorial Board: Edoardo Amaldi · Ludovico Geymonat
Giuseppe Montalenti
Editor: N. Bonetti

SCIENTIA was born within the framework of a cultural project based on the belief in the fundamental importance of scientific rationality and the necessity for restoring unity to the various fields of knowledge.

This project has lost nothing of its validity today: at present, in fact, the end of rationality is proclaimed on the one hand, while on the other scientific research grows increasingly specialized in directions that appear to be unable to communicate one with another.

For this very reason the need for unifying thought is felt more urgently: Scientia's task is thus carried out with the contribution of scientists and philosophers the world over.

Scientia offers, furthermore, an up-to-date picture of the state of knowledge of the individual disciplines and of the problems connected with scientific research.

Annual subscription: Italy Lit. 40,000 - Europe Lit. 45,000 - Non-European countries \$ 60.00

SCIENTIA - Via Guastalla 9 - 20122 Milano (Italy) - Telephone (02) 780.669

REVISTA ESPAÑOLA DE FISIOLOGIA

Vol. 46, No. 2, June 1990

ISSN 0034-9402. REFIAS

CONTENTS

FERNÁNDEZ-MACULET, J. C. and B. VIOQUE. — Ethylene Metabolism in Olive Tree Leaves	129
RAMÍREZ-PONCE, M. P., J. ACOSTA and J. A. BELLIDO. — Electrical Activity in White Adipose Tissue of Rat	133
CÓRDOVA, A., F. SOTERAS, V. DEL VILLAR, L. M. ELÓSEGUI and J. F. ESCANERO. — Effect of Tiroparathyroidectomy, Parathormone and Calcitonine on the Plasmatic Strontium in Rats	139
SOLER, C., J. NÚÑEZ, J. F. PERTUSA, M. NÚÑEZ and A. NÚÑEZ. — Testicular Changes in Adult Rat following Bilateral Partial (Caput) Epididymectomy	147
CABRERA, R., P. MAYOR and C. CALLE. — Effect of Experimentally-Induced Chronic Hyperprolactinemia on Insulin Binding and Antilipolytic Response in Adipocytes from Male Rats	155
VARA, E., C. GARCÍA and J. TAMARIT-RODRÍGUEZ. — Trifluoperazine Reproduces in Rat Islets the Effects of Calcium Omission on Insulin Secretion and <i>de novo</i> Lipid Synthesis, without Affecting $^{45}\text{Ca}^{2+}$ -Uptake	163
SALOM, M. G., F. J. SALAZAR, F. J. FENOY, J. M. PINILLA, N. MARÍN and T. QUESADA. — Hemodynamic Effects of Long-Term Converting-Enzyme Inhibition in Renal Hypertensive Rats	171
SILVÁN, G., J. C. ILLERA, J. MARTÍN, R. MANJÓN and M. ILLERA. — Photoperiodic Variations of testosterone Plasmatic Levels in Rabbits	177
MANCERA, J. M., P. FERNÁNDEZ-LLÉBREZ and J. M. PÉREZ-FIGARES. — Immunocytochemical Study of the Hypophysial Neural Lobe of <i>Natrix maura</i> under Dehydration	183
PORTILLO, M. P., J. A. MARTÍNEZ and J. LARRALDE. — Repartitioning Effect of a Mixed β -Agonist on Body Composition	191
AMADOR, Á. G., A. MAYERHOFER and A. BARTKE. — Interspecies Differences in the Effects of HCG on Testicular Function among Rodents	197
RUIZ DE ALMODÓVAR, J. M., J. D. LÓPEZ-GONZÁLEZ, R. DEL MORAL, J. C. FERNÁNDEZ, L. GORGOJO, N. OLEA and V. PEDRAZA. — TPA Release and MCF-7 Cell Proliferation after Synchronization with Tamoxifen and Rescue with Estradiol	205
BARRIGA, C., R. NÚÑEZ, M. MAYNAR, A. B. RODRÍGUEZ and M. DE LA FUENTE. — Changes in the Number of Leukocytes and Lymphocyte Subpopulations Induced by Exercise in Sedentary Young People	211
AMAT, C., J. M. PLANAS, A. DÍEZ and M. MORETÓ. — Influence of Setting-up Time, Temperature of Incubation and Age on the Transmural Potential Difference across Chicken Rectum	217
<i>Letters to the Editors</i>	
CARRILLO, E., M. L. LAORDEN, F. S. MIRALLES and M. M. PUIG. — Dentrolene Prevents Hyperthermia Induced Seizures in Rat Pups	223
BOOK REVIEWS	225

REVISTA ESPAÑOLA DE FISIOLOGIA

Vol. 46, N.º 2, junio 1990

ISSN 0034-9402. REFIAS

INDICE

FERNÁNDEZ-MACULET, J. C. y B. VIOQUE. — Metabolismo del etileno en hojas de olivo	129
RAMÍREZ-PONCE, M. P., J. ACOSTA and J. A. BELLIDO. — Electrical Activity in White Adipose Tissue of Rat	133
CÓRDOVA, A., F. SOTERAS, V. DEL VILLAR, L. M. ELÓSEGUI y J. F. ESCANERO. — Efecto de la tiroparatiroidectomía, la parathormona y la calcitonina sobre el estroncio plasmático en rata	139
SOLER, C., J. NÚÑEZ, J. F. PERTUSA, M. NÚÑEZ and A. NÚÑEZ. — Testicular Changes in Adult Rat following Bilateral Partial (Caput) Epididymectomy	147
CABRERA, R., P. MAYOR and C. CALLE. — Effect of Experimentally-Induced Chronic Hyperprolactinemia on Insulin Binding and Antilipolytic Response in Adipocytes from Male Rats	155
VARA, E., C. GARCÍA and J. TAMARIT-RODRÍGUEZ. — Trifluoperazine Reproduces in Rat Islets the Effects of Calcium Omission on Insulin Secretion and <i>de novo</i> Lipid Synthesis, without Affecting $^{45}\text{Ca}^{2+}$ -Uptake	163
SALOM, M. G., F. J. SALAZAR, F. J. FENOY, J. M. PINILLA, N. MARÍN and T. QUESADA. — Hemodynamic Effects of Long-Term Converting-Enzyme Inhibition in Renal Hypertensive Rats	171
SILVÁN, G., J. C. ILLERA, J. MARTÍN, R. MANJÓN y M. ILLERA. — Variaciones fotoperiódicas de las concentraciones plasmáticas de testosterona en conejo	177
MANCERA, J. M., P. FERNÁNDEZ-LLÉBREZ y J. M. PÉREZ-FIGARES. — Estudio immunocitoquímico del lóbulo neural hipofisario de <i>Natrix maura</i> en deshidratación	183
PORTILLO, M. P., J. A. MARTÍNEZ and J. LARRALDE. — Repartitioning Effect of a Mixed β -Agonist on Body Composition	191
AMADOR, A. G., A. MAYERHOFER and A. BARTKE. — Interspecies Differences in the Effects of HCG on Testicular Function among Rodents	197
RUIZ DE ALMODÓVAR, J. D. LÓPEZ-GONZÁLEZ, J. M., R. DEL MORAL, J. C. FERNÁNDEZ, L. GORGOJO, N. OLEA y V. PEDRAZA. — Liberación de antígeno polipeptídico tisular y proliferación de células MCF-7 tras sincronización con hidroxitamoxifeno y rescate con estradiol	205
BARRIGA, C., R. NÚÑEZ, M. MAYNAR, A. B. RODRÍGUEZ and M. DE LA FUENTE. — Changes in the Number of Leukocytes and Lymphocyte Subpopulations Induced by Exercise in Sedentary Young People	211
AMAT, C., J. M. PLANAS, A. DÍEZ and M. MORETÓ. — Influence of Setting-up Time, Temperature of Incubation and Age on the Transmural Potential Difference across Chicken Rectum	217
<i>Cartas al Editor</i>	
CARRILLO, E., M. L. LAORDEN, F. S. MIRALLES and M. M. PUIG. — Dentrolene Prevents Hyperthermia Induced Seizures in Rat Pups	223
CRÍTICA DE LIBROS	225