February 1962, Volume 135, Number 3501

Editorial
A Minimal Program .......................................................... 343

Articles
Chemistry at High Temperatures: J. L. Margrave  .......................................................... 345
New molecules will be discovered and new theories required to explain events from 1000° to 1,000,000°K.

Culture and Cognition: A. F. C. Wallace .......................................................... 351
Cultural anthropologists are now investigating the logical structure of culturally organized behavior.

News and Comment
Congress on higher education ... Kennedy on milk ... Sweden on birth control ... The FDA on fish flour .......................................................... 357

Book Reviews
Matrilineal Kinship, reviewed by R. Burling; other reviews .......................................................... 363

Reports
Taste-Structure Correlation with α-D-Mannose and β-D-Mannose: R. G. Steinhardt, Jr., A. D. Calvin, E. A. Dodd  .......................................................... 367
Decrease of Acetylcholinesterase Activity along Peripheral Nerves: L. Lubinska et al. .......................................................... 368
Extraction of Distinctive Antigens from Neoplastic Tissue: J. M. McKenna, R. P. Sanderson, W. S. Blakemore .......................................................... 370
Possible Transpacific Contact on the Coast of Ecuador: E. Estrada, B. J. Meggers, C. Evans .......................................................... 371
Retinal Cholinesterase and Glycolysis in Rats Raised in Darkness: R. Liberman .......................................................... 372
Simazine: Degradation by Corn Seedlings: R. H. Hamilton and D. E. Moreland .......................................................... 373
Identical "Feeding" and "Rewarding" Systems in the Lateral Hypothalamus of Rats: D. L. Margules and J. Olds .......................................................... 374
Hypothalamic Control of Feeding and Self-Stimulation: B. G. Hoebel and P. Tettelbaum .......................................................... 375
Self-Regulated Exposure to Light by Dark- or Light-Treated Rats: R. B. Lockard .......................................................... 377
Vertical Extension of Mid-Continent Leonardian Insect Occurrences: P. Tasch .......................................................... 378

Departments
New Products .......................................................... 381
Letters from J. B. Wiesner; J. L. Jenkins and S. Encel .......................................................... 382
Forthcoming Events .......................................................... 385

Cover
Two collagen fibers reconstituted from solution in phosphate buffer (pH 8.4; ionic strength 0.33M) by salting-out with ammonium sulfate, redissolving, and again salting-out for four cycles. Gold-palladium shadowed; about × 43,000. The electron photomicrograph was made at the Eastern Research and Development Division, U.S. Department of Agriculture, Philadelphia, Pa. [Reproduced from L. D. Kahn, R. J. Carroll, L. P. Witnauer, Biochimica et Biophysica Acta 50, 292 (1961)]