Meanwhile, Down in the Valley

The Effect of Dream Deprivation: W. Dement

The need for a certain amount of dreaming each night is suggested by recent experiments.

Tiros Reveals Cloud Formations: H. Wexler and S. Fritz


The data indicate that short-lived fission products make a major contribution to radiation dose rates.

Knowledge: a Growth Process: P. Weiss

Knowledge grows like organisms, with data serving as food to be assimilated, rather than merely stored.

Hessel de Vries, Physicist and Biophysicist: H. de Waard

Radiation Standards: Testimony at Congressional Hearings Tends To Be Reassuring

J. R. Partington's A History of Greek Fire and Gunpowder, reviewed by E. Farber; other reviews

Effect of Absence of Saliva on Blood Feeding by Mosquitoes:
A. Hudson, L. Bowman, C. W. M. Orr

Residence Time of Dissolved Phosphate in Natural Waters: L. R. Pomeroy

Biological Effects of a Chemical Mutagen, Diepoxybutane, on Tomato: G. Emery

Effect of Synthetic Smog on Spontaneous Activity of Mice:
R. D. Boche and J. J. Quilligan, Jr.

Preservation of Honey Bee Semen: S. Taber, III, and M. S. Blum

Effects of Deprivation and Scheduling on Water Intake in the White Rat:
W. Kessen, G. A. Kimble, B. M. Hillmann

Effects of Polyvalent Cobalt Salts on Human Cells in Tissue Culture:
A. A. Lazzarini, Jr., and G. Weissman

Hypothesis Concerning the Role of Follicular Contractions in Ovulation:
H. J. Lipner and B. A. Maxwell

Finite Radiocarbon Dates of the Port Talbot Interstadial Deposits in Southern Ontario: H. de Vries and A. Dreimanis


Pacific Division, AAAS; Forthcoming Events; New Products

Thiocarbamide crystal. Dark-field illumination (× 575). A drop of solution is kept under observation until a suitable arrangement appears. The solvent determines the pattern produced during crystallization. Rapid crystallization produces a coarse pattern, slow crystallization a fine one. [L. C. Massopust, Marquette University School of Medicine]