The Earth and Cosmology: R. H. Dicke

The earth may be affected by the distant matter of the universe through a long-range interaction.

How Conferences?: D. K. C. MacDonald

To confer is to converse with; perhaps we should do that at conferences.

News and Comment

Nobel Awards—Physics and Chemistry . . . Cuban Aftermath—Impediments to a Test Ban

Book Reviews

Genetics, the Axial Thread of Biology: A. G. Bearn

E. M. Kosower’s Molecular Biochemistry, reviewed by M. L. Bender; other reviews

Reports

Placebo Effect in the Rat: R. J. Herrnstein

Corticospinal Connections: Postnatal Development in the Rhesus Monkey:
H. G. J. M. Kuypers

Imprinting by Force: C. E. Rice

Alarm Reaction of the Top Smelt, Atherinops affinis (Ayres): W. A. Skinner,
R. D. Mathews, R. M. Parkhurst

Semilogarithmic Plots of Data Which Reflect a Continuum of Exponential Processes:
H. D. Van Liew

Chemiluminescence of Firefly Luciferin without Enzyme: H. H. Seliger and W. D. McElroy

Evoked Responses to Clicks and Electroencephalographic Stages of Sleep in Man:
H. L. Williams, D. I. Tepas, H. C. Morlock, Jr.

Blood Group A Active Substances in Embryonated Chicken Eggs and Their Relation
to Egg-Grown Virus: G. F. Springer and H. Tritel

Partitioning of Body Fluids in the Lake Nicaragua Shark and Three Marine Sharks:
T. B. Thorson


Cholinergic Tracing of a Central Neural Circuit Underlying the Thirst Drive:
A. E. Fisher and J. N. Coury

Quantitative Analysis of Blood Circulation through the Frog Heart: K. T. DeLong

Effect of Malathion Analogs upon Resistant and Susceptible Culex tarsalis Mosquitoes:
W. C. Dauterman and F. Matsumura

Association Affairs

Moving Frontiers of Science

Departments

Meetings: Limnologists and Oceanographers Discuss Lakes, Rivers, and Aquatic
Life; The Teaching of Science; Forthcoming Events

R. K. Wetherington and T. S. Kuhn; P. S. Antal, E. Epstein, D. W. Rains,
W. E. Schmid; E. G. Rennels, W. J. Mellen, J. A. Russell, A. E. Wilhelm,
J. Stewart, C. H. Li; C. H. Smiley; J. H. Lude; D. Amadon, P. R. Ehrlich,
R. W. Holm; R. C. King; R. K. Davis; E. Klingsberg and L. C. Briggs

New Products

Cover

Left, The earth, taken in infrared radiation, from a height of about 70 miles. The
Pacific Ocean is on the horizon, with Los Angeles near the upper right. The largest
dark area on the left is the Gulf of California. Right, Andromeda Nebula, the nearest
large spiral nebula, distant about 9 \times 10^8 miles. See page 653.
Editor's Summary