Editorial
A Strategy for Developing Talent

Movement of Organic Substances in Trees: M. H. Zimmermann
Photosynthates are translocated in a layer of bark only a fraction of a millimeter thick.

To Honor Fechner and Repeal His Law: S. S. Stevens
A power function, not a log function, describes the operating characteristic of a sensory system.

Science in the News
The New Administration: A Report on Education; Taming the Rules Committee; Disarmament Activity

Book Reviews
Evolution after Darwin, reviewed by R. Mitchell; other reviews

Reports
Transport of Calcareous Fragments by Reef Fishes: J. E. Bardach
Facilitation of Infection of Monkey Cells with Poliovirus "Ribonucleic Acid": G. R. Dubes and E. A. Klingler, Jr.
Cytochrome c Reductase of Tri- and Diphosphopyridine Nucleotides in Rat Lens: S. Lerman
Estimation of Total Body Fat from Potassium-40 Content: G. B. Forbes, J. Gallup, J. B. Hursh
Effect of Deuterium Substitution in Sympathomimetic Amines on Adrenergic Responses: B. Belleau et al.
Effects of Amino Acid Feedings in Schizophrenic Patients Treated with Iproniazid: W. Pollin, P. V. Cardon, Jr., S. S. Kety
Serum Glutamic Oxalacetic Transaminase Content in Hypothermia: E. Blair et al.
Radiotelemetry of Physiological Responses in the Laboratory Animal: S. J. M. England and B. Pasamanick

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Cover
Fully grown individual of the aphid Longistigma caryae (Harris) feeding on the lower side of a linden (Tilia americana L.) branch. The stylets are inserted into the conducting phloem. The animal does not suck; it can feed because of the internal pressure of the plant. It releases surplus sugar solution in the form of a honeydew droplet about once every 30 minutes (about × 11.5). See page 73. [Martin H. Zimmermann, Harvard University]