Editorial
A Strategy for Developing Talent ........................................ 71

Articles
Movement of Organic Substances in Trees: M. H. Zimmermann ............ 73
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 .................. 80
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 .................. 87

Book Reviews
Evolution after Darwin, reviewed by R. Mitchell; other reviews ............ 94

Reports
Transport of Calcareous Fragments by Reef Fishes: J. E. Bardach ............ 98

Facilitation of Infection of Monkey Cells with Poliovirus "Ribonucleic Acid": G. R. Dubes and E. A. Klingler, Jr. .................. 99

Cytochrome c Reductase of Tri- and Diphosphopyridine Nucleotides in Rat Lens: S. Lerman ........................................ 100

Estimation of Total Body Fat from Potassium-40 Content:
G. B. Forbes, J. Gallup, J. B. Hursh .................................. 101

Effect of Deuterium Substitution in Sympathomimetic Amines on Adrenergic Responses: B. Belleau et al. .................. 102

Effects of Amino Acid Feedings in Schizophrenic Patients Treated with Iproniazid: W. Pollin, P. V. Cardon, Jr., S. S. Kety .................. 104

Serum Glutamic Oxalacetic Transaminase Content in Hypothermia: E. Blair et al. .................. 105

Radiotelemetry of Physiological Transaminase Content in the Laboratory Animal:
S. J. M. England and B. Pasamanick .................................. 106

Association Affairs
Academy of Psychoanalysis; American Speech and Hearing Association .......... 108

Departments
Forthcoming Events; New Products .................................. 110

Letters from M. B. Shimkin; D. K. Edwards, W. C. Levengood, W. P. Shinkle .......... 68

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]