Table of Contents

The Theory of Open Systems in Physics and Biology: Ludwig von Bertalanffy

Technical Papers

Structure of the Earth's Crust in the Continents: B. Gutenberg

Effect of Insulin on the Potassium and Inorganic Phosphate Content of the Medium in Experiments with Isolated Rat Diaphragms: Chr. E. Kaminga et al.

The Effect of Changes in Body Weight on Atherosclerosis in the Rabbit: J. B. Firstbrook

Discovery of Dioecism in Laboulbenia fornicarum: R. K. Benjamin and Leland Shanor

A Method for Concentration and Segregation of Malignant Cells from Blood, Pleural, and Peritoneal Fluids: Don W. Faucett, Bert L. Vallee, and Marjorie H. Soule

A Multiple-Standard, Vertical-View Comparator for Microdeterminations: Henry O. Schulse

Effect of Panparmit on Brain Wave Changes Induced by Diisopropyl Fluorophosphate (DFP): C. F. Essig et al.

Development and Viability of Drosophila melanogaster on a Medium Containing DDT: Bernard Fromn Kalina

Microscopic Observation of the Living Tooth Pulp: A. Cecil Taylor

Comments and Communications

Radio Noise of Ionospheric Origin; Scientists' Responsibility for Preventing War; The Probit Method; On Gates' Human Ancestry

Book Reviews

Les Chromosomes des Vertébrés; Best science fiction stories: 1949; Nature-nurture controversy; Contributions to embryology

News and Notes


Manuscripts submitted for publication should be sent to the Editorial Office, with stamped, self-addressed envelope enclosed for possible return. The AAAS assumes no responsibility for the safety of the manuscripts or for the opinions expressed by contributors.

Annual subscription, $7.50; single copies, $.25; foreign postage, outside the Pan-American Union, $1.00; Canadian postage, $.50. Remittances and orders for subscriptions and single copies should be sent to the Circulation Department, Science, 1515 Massachusetts Ave., N.W., Washington 5, D. C. Membership correspondence for the AAAS should be addressed to the Administrative Secretary of the same address.

Change of address. Four weeks' notice is required for change of address. This should be sent to Science Recorder, 1515 Massachusetts Ave., N.W., Washington 5, D. C. When ordering a change, it is necessary to furnish an address section label from a recent issue. Claims for a missing number will not be allowed if received more than 60 days from date of issue. No claims allowed from subscribers due to failure to notify the Circulation Department of a change of address or because an issue is missing from their files, or for any reason from subscribers in Central Europe, Asia, or the Pacific Islands (other than Hawaii).

The AAAS also publishes The Science Newsletter. Subscription rates on request.