Editorial
Where Shall We Meet? ................................................................. 575

Articles
Architecture of the Human Lung: E. R. Weibel and D. M. Gomez .................. 577
Use of quantitative methods establishes fundamental relations between
size and number of lung structures.

Evolution of Intelligence and Vocal Mimicking: R. J. Andrew ................. 585
Studies of large-brained mammals promise to elucidate some problems of
human evolution.

News and Comment
Soviet SpaceFeat: Repercussions in the United States ......................... 590

Book Reviews
J. R. Partington's A History of Chemistry, reviewed by L. Pearce Williams;
other reviews ............................................................... 594

Reports
Possible Virus-Induced Genetic Abnormalities in Tree Fruits: G. Nyland ....... 598
Determination of the Mixing Ratios of Water Vapor and Carbon Dioxide in the
Stratosphere: S. F. Rohrbough .............................................. 599
Neuroepithelial Component of the Urethra and Urogenital Junction of the Rat:
P. L. Risley and C. N. Skrepetos ............................................ 600
Eye Movement during Active and Passive Dreams: R. J. Berger and I. Oswald .. 601
Antarctic Peninsula Traverse: J. C. Behrendt and P. E. Parks, Jr. ............... 601
Action Spectrum for Developmental Photo-Induction of the Blue-Green Alga Nostoc
muscorum: N. Lazaroff and J. Schiff ...................................... 603
A Mechanism of the Indole Defect in Experimental Phenylketonuria: C. M. McKean,
S. M. Schanberg, N. J. Giarman ........................................... 604
Chemical Effect of Ionizing Radiation on Cytosine: C. A. Ponnampеруma,
R. M. Lemmon, M. Calvin ............................................... 605
Molecular Changes in Deoxyribonucleic Acid Induced by X-rays: H. E. Guda,
W. J. Frajola, M. A. Lessler ............................................... 607
Flight Behavior of a Fly Alighting on a Ceiling: W. G. Hyzer ................... 609
Staggerer, a New Mutation in the Mouse Affecting the Cerebellum:
R. L. Sidman, P. W. Lane, M. M. Dickie .................................. 610
Polyoma and Papilloma Viruses. Do They Have 42 or 92 Subunits?: C. F. T. Mattern .. 612
Preliminary Experiments on a Microbial Fuel Cell: J. B. Davis and H. F. Yarbrough, Jr. .. 615
Conditioning of Induced Electroencephalographic Sleep Patterns in the Cat:
W. Wyrwicka, M. B. Stermann, C. D. Clemente ................................ 616
A Law for Loudness Discrimination: J. L. Stewart ................................ 618
Angular Displacement of the Visual Feedback of Motion: J. Gould and K. U. Smith .. 619
Relationship of Erythrocyte to Leukocyte Antigens in Chickens:
L. W. Schierman and A. W. Nordskog .................................... 620
Neurochemical Differences between Two Strains of Mice: J. W. Maus ............. 621

Departments
Letters from W. Gray and D. Page; T. B. Nolan; H. I. Fusfeld and D. Rothman;
E. J. H. Corner ............................................................. 571
Lifelike Forms in Meteorites: H. C. Urey ........................................ 623
Are fossils present in carbonaceous meteorites? The evidence is
suggestive but as yet inconclusive.

Meetings: Forthcoming Events ................................................. 628
New Products ........................................................................ 632

Cover
Zenker-fixed, celloidin-embedded, phloxin-stained section (280 µ thick) of the normal
human lung (× 20). The architecture of the human lung is discussed on page 577.
[Robert R. Wright and Charles M. Stuart, San Francisco Medical Center, University
of California]
Science 137 (3530), 571-632.

ARTICLE TOOLS http://science.sciencemag.org/content/137/3530.citation

PERMISSIONS http://www.sciencemag.org/help/reprints-and-permissions

Use of this article is subject to the Terms of Service

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title Science is a registered trademark of AAAS.