



SCIENCE

7 JANUARY 1955

VOLUME 121

NUMBER 3132

Life: <i>H. J. Muller</i>	1
Herbert Osborn: Scientist, Teacher, Leader of Men: <i>D. G. Hall</i>	9

News and Notes

Electrolytes in Biological Systems; and Regular Departments	10
---	----

Book Reviews

<i>America's Resources of Specialized Talent; Fundamentals of Psychoanalytic Technique; The Technical Report; The Mechanism of Economic Systems; Radiation Biology; The Horse-Flies of the Ethiopian Region; Ferromagnetic Domains; The Kinetic Basis of Molecular Biology; Acoustics; Chemical Constitution; The Kidney; The Moon Puzzle; An International Bibliography on Atomic Energy; Gmelins Handbuch der Anorganischen Chemie; List of Land Mammals of New Guinea, Celebes, and Adjacent Islands 1758-1952; Proceedings of the Second National Cancer Conference, 1952; New Research Techniques in Physics; and Books Reviewed in The Scientific Monthly</i>	25
---	----

Technical Papers

Some Potassium-Argon Ages for Ontario: <i>H. A. Shillibeer and K. Watson</i>	33
Critique of Extracellular Space Measurements with Small Ions; Na^{24} and Br^{82} Spaces: <i>S. A. Berson and R. S. Yalow</i>	34
Melanophore-Contracting Hormone (MCH) of Possible Hypothalamic Origin in the Catfish, <i>Parasilurus</i> : <i>M. Enami</i>	36
Biochemistry of Amphibian Metamorphosis: I. Enhancement of Induced Metamorphosis by Gluco-corticoids: <i>E. Frieden and B. Naile</i>	37
Method for the Chromatographic Separation of Very Polar Steroids: <i>M. M. Pechet</i>	39

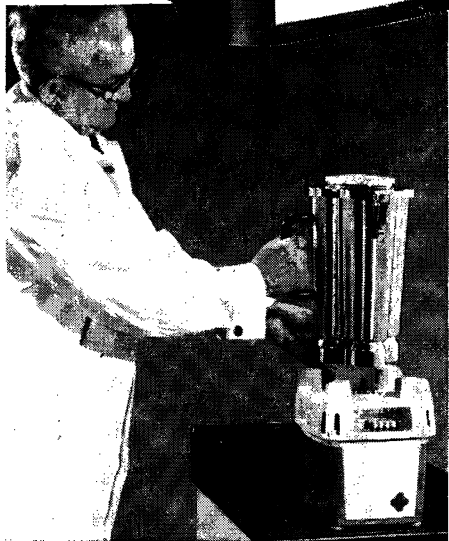
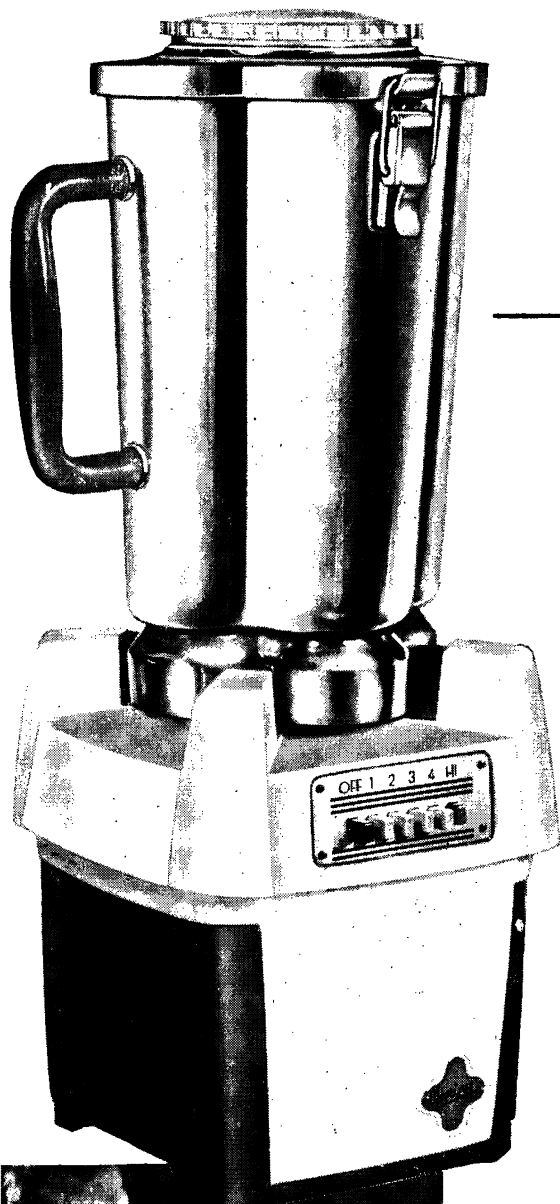
Communications

On the Legitimacy of Scientific Authorship: <i>E. Gorham; E. R. Hall</i>	40
More on "A New University": <i>H. R. Rafton</i>	41
Hydrolyzed Fish Protein from the Flesh of Waste Fish: <i>G. B. Mohanty and A. B. Roy</i>	41
Report on Wax from Several Species of <i>Tillandsia</i> and from <i>Ananas comosus</i> (L.) Merr.: <i>S. D. Feurt and L. E. Fox</i>	42

Types of Articles for Science	9A
-------------------------------------	----

Meetings & Conferences	14A
------------------------------	-----

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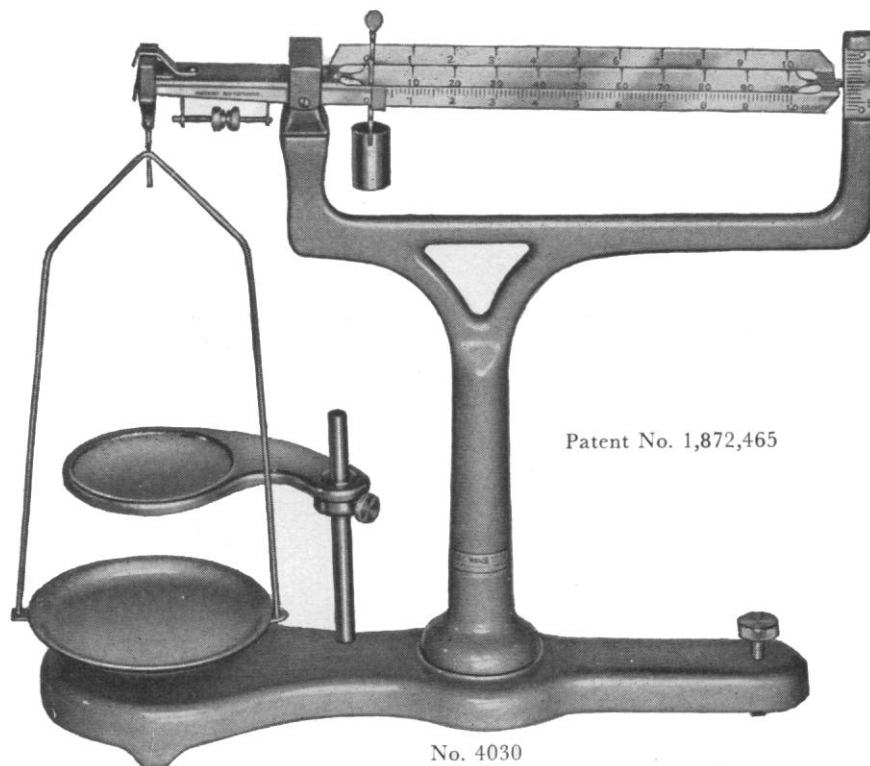
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111 grams
(201 grams using
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Graham did not even mention Joachimsthal and the Welshian nickel-refineries. Hueper excellently reviewed occupational bladder cancer. According to Gagnon, cervix cancer is extremely rare in nuns—only 0–3 percent of all uterine plus ovarian malignancies. This ratio for virgins complements the following series of values for single nulligravidae (regardless of virginity), for married nulligravidae, unigravidae, women with 2–10 and with 11–20 pregnancies: 48.3, 58.6, 76.8, 83.8 and 92 percent, respectively (the reviewer, 1923). Gagnon and Nieburgs doubt the existence of a relationship between pregnancies and cervix cancer.

In his closing remarks, Cameron rightfully referred to the broad spectrum of problems of the conference.

SIGISMUND PELLER

164 East 81st St., New York, N. Y.

New Research Techniques in Physics. Symposium (UNESCO) sponsored by the International Union of Pure and Applied Physics (chapters in English, Spanish, and Portuguese). Academia Brasileira de Ciencias, Rio de Janeiro, Brazil, 1954. 447 pp. Illus.

Published reports on the proceedings of international conferences are valuable, not only to the participants but also to interested scientists who were unable to attend the conference, especially if the various discussions following formal papers are included and if publication is prompt. The proceedings of the symposium held in July 1952 at Rio de Janeiro and at São Paulo have now been issued in the form of a book entitled *New Research Techniques in Physics*. In it are included 65 papers, varying in length from one to 26 pages, on a large variety of subjects, together with the discussions that followed several of the presentations. Although the 2-year delay in publication reduces the interest in some of the work, the lively spirit of the conference is well preserved.

The new research techniques discussed include procedures and methods in both experimental and theoretical physics, classical and modern. There are numerous articles on high energy accelerators, including those at Illinois, Chicago, Wisconsin, São Paulo, and Mexico City. In some articles the techniques are emphasized; others are presentations of results of observations. The techniques related to construction of Geiger counters, ionization chambers, Cerenkov counters, diffusion cloud chambers, and even ionization gages are described. Several papers are devoted to cosmic ray studies, including geomagnetic effects and transition phenomena in the atmosphere and in solid materials.

It is somewhat difficult for me to separate papers on the techniques of theoretical physics from those on the results of theoretical calculations. Several distinguished theorists were present and the subjects ranged from the fundamentals of quantum theory and field theory through meson theory and nuclear forces and fundamental particles to the dynamic theory of scattering.

The papers are quite uneven in quality and importance, but almost every physicist will find something to interest him in this book, if only because of the breadth of the subject matter.

W. B. FRETTER

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Books Reviewed in THE SCIENTIFIC MONTHLY

January

- Snow Crystals: Natural and Artificial*, Ukichiro Nakaya (Harvard Univ. Press). Reviewed by K. L. S. Gunn.
- The Western End of Lake Erie and Its Ecology*, T. H. Langlois (J. W. Edwards). Reviewed by J. E. Bardach.
- A Brief Text in Astronomy*, W. T. Skilling and R. S. Richardson (Holt). Reviewed by W. F. Shenton.
- The Neolithic Cultures of the British Isles*, Stuart Pigott (Cambridge Univ. Press). Reviewed by R. W. Ehrich.
- V-2, Walter Dornberger (Viking). Reviewed by T. S. Gardner.
- Ways of the Ant*, John Crompton (Houghton Mifflin). Reviewed by G. C. Wheeler.
- Math Is Fun*, Joseph Degrazia (Emerson). Reviewed by S. B. Myers.
- Main Currents of Scientific Thought*, S. F. Mason (Abelard-Schuman). Reviewed by R. J. Seeger.
- World Geography: An Introduction*, Loyal Durand, Jr. (Holt). Reviewed by W. A. Hance.
- Theory and Method in the Social Sciences*, Arnold M. Rose (Univ. of Minnesota Press). Reviewed by Conrad Taeuber.
- Sea-Birds*, James Fisher and R. M. Lockley (Houghton Mifflin). Reviewed by C. H. Rogers.
- The Meaning of Social Medicine*, Iago Galdston (Harvard Univ. Press). Reviewed by A. D. Bass.
- How Strong Is Russia?* G. B. Cressey (Syracuse Univ. Press). Reviewed by M. F. Burrill.
- The Flood Control Controversy*, L. B. Leopold and Thomas Maddock, Jr. (Ronald Press). Reviewed by W. H. Rowan.
- A Thousand Geese*, Peter Scott and James Fisher (Houghton Mifflin). Reviewed by H. I. Fisher.
- Urban Behavior*, E. G. Erickson (Macmillan). Reviewed by H. J. Graafls.
- Man, Time, and Fossils*, Ruth Moore (Knopf). Reviewed by Bentley Glass.
- The Mating Instinct*, L. J. and M. J. Milne (Little, Brown). Reviewed by L. R. Aronson.
- So Little for the Mind*, Hilda Neatby (Clarke, Irwin). Reviewed by Eugene Forsey.
- Educational Psychology*, L. J. Cronbach (Harcourt, Brace). Reviewed by R. W. Husband.
- Applied Atomic Energy*, K. Fearnside, E. W. Jones, and E. N. Shaw (Philosophical Library). Reviewed by R. A. Charpie.
- Fifty Years of Medicine*, Lord Horder (Philosophical Library). Reviewed by M. C. Leikind.
- Engineers' Dreams*, Willy Ley (Viking). Reviewed by T. S. Gardner.