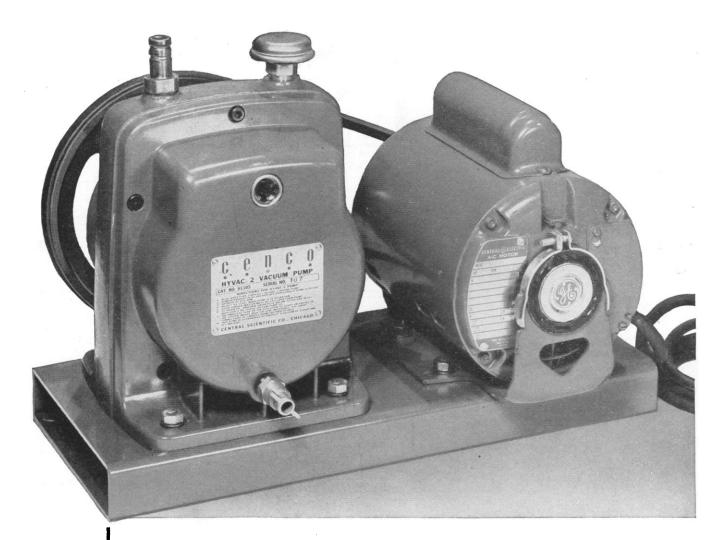
SCIENCE

14 December 1956

Volume 124, Number 3233

Editorial	Centennial of Discovery of Neanderthal Man	1183
Articles	Medical Research in Perspective: J. A. Shannon and C. V. Kidd	1185
	Centenary of J. J. Thomson: G. Thomson	1191
	G. Dahlberg, Human Geneticist: L. C. Dunn	1195
News of Science	AAAS Cardiovascular Research Award; Church Service on Science and Re- ligion at Time of AAAS Meeting; Archeology in the Marquesas; Inter- ferometric Comparator; Malaria Eradication in Mexico; New ARDC Agency for Small Business; Cancer Society on Smoking; Control of Cholesterol Pro- duction; New ACE Information and Research Division; News Briefs; Sci- entists in the News; Recent Deaths; Education; Grants, Fellowships, and Awards; In the Laboratories; Miscellaneous	1196
Reports	Permeable Spots in the Cuticle of the Thin-Walled Pegs on the Antenna of the Grasshopper: E. H. Slifer	1203
	Does Starvation Increase Sperm Count?: M. C. Chang and D. Sheaffer; W. H. Gantt and H. A. Teitelbaum	1203
	Rigidity of the Earth's Core: F. Press	1204
	Effect of a Severe Storm on Electric Properties of a Tree and the Earth: H. S. Burr	1204
	Isolation of a Cardiac-Active Principle from Mammalian Tissues: E. Titus, H. Weiss, S. Hajdu	1205
	Evidence for Nonexistence of D-Aspartic Acid in Casein: M. N. Camien and M. S. Dunn	1206
	Interaction of Hormonal Effects: Influence of Triiodothyronine on Androgen Metabolism: H. L. Bradlow et al	1206
	Formation of UDPGla and Related Compounds by the Soluble Fraction of Liver: F. Maley and H. A. Lardy	1207
	Effects of Fluorocompounds on Mechanisms Related to Mitochondrial Phosphate Transfer: A. S. Fairhurst, R. E. Smith, E. M. Gal	1208
	Removal of Phosphorus from Hydrogen Peroxide by Kaolinite: S. C. Chang and M. L. Jackson	1209
	Relationship between Membrane Potentials and Repolarization in the Rat Atrium: J. L. Webb	1209
Book Reviews	Numerical Analysis; Body Measurements and Human Nutrition; Currents, Fields, and Particles; A Handbook of Hardwoods; Traité de Pharmacie Chimique; Procedure in Taxonomy; Valency and Molecular Structure; Trea- tise on Invertebrate Paleontology; Handbuch der Physik; Electrochemical Affinity; Introduction to Mathematical Logic; Chemistry of Carbon Com- pounds; New Books; Miscellaneous Publications	1211
Meetings and Societies	Programs at AAAS New York Meeting; AAAS Conference on Mathematics Instruction; Meeting Notes; Society Elections; Forthcoming Events	1217
	Equipment News	1223



No. 91305, 60 cy., 115 volts, complete with motor and base, \$149.00

No. 91300, same as No. 91305 but without motor or base,

\$94.00

Also available with motors for other voltage requirements or with explosionproof motor. Prices on request.

Faster than ever... THE ALL-NEW CENCO HYVAC-2 high vacuum pump

This precision-engineered pump delivers a free air displacement of 20 liters per minute. It pumps from atmospheric to ultimate pressure in approximately 5 minutes . . . delivers a guaranteed ultimate vacuum of 0.1 micron.

Hyvac-2 is quiet, too. Vibration is gone, and so is noise. In fact, it's so perfectly balanced that it can scarcely be heard in operation.

The new Hyvac-2 is the result of more than 55 years of leadership in high vacuum apparatus of all types. Write for full details on this and other Cenco high vacuum pumps.



CENTRAL SCIENTIFIC COMPANY

1718-M IRVING PARK ROAD, CHICAGO 13, ILLINOIS BRANCHES AND OFFICES-CHICAGO • MOUNTAINSIDE, N. J. • BOSTON • BIRMINGHAM • DETROIT CENTRAL SCIENTIFIC CO. OF CALIFORNIA-SANTA CLARA • LOS ANGELES REFINERY SUPPLY COMPANY-TULSA • HOUSTON CENTRAL SCIENTIFIC CO. OF CANADA, LTD.-TORONTO • MONTREAL • VANCOUVER • OTTAWA



SCIENCE is published weekly by the AAAS, 1515 Massachusetts Ave., NW. Washington 5, D.C. Entered at the Lancaster, Pa., Post Office as second class matter under the act of 3 March 1879. Annual subscriptions: \$7.50; foreign postage, \$1; Canadian postage, 50¢.