

**AINSWORTH
RECORD-A-WEIGH**
*Shows
Instantaneous
Weight and Rate
of Change*

This new laboratory instrument combines the range and accuracy of the Ainsworth Analytical Balance with a continuous record and automatic operation.

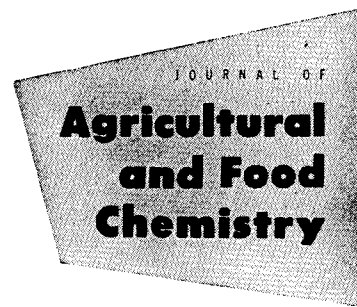
Records weight changes for long or short periods on a chart 11" wide representing 110 mg. Accuracy and readability are plus or minus 1/10 mg. Capacity 200 grams.

Automatically adds or subtracts weights as required to rescale recorder pen. Range of automatically controlled weights is 4 grams. This is 40 chart widths—and the recording is linear all the way.

Samples can be placed on the balance pan or suspended in a controlled environment, above or below the balance.

**Research
and development**
*of new instruments like this,
are made possible by
your purchase of products*
"MADE IN U.S.A."

WM. AINSWORTH & SONS, INC.



TECHNICAL SECTION

MARCH 1958

Volume 6, Number 3

PESTICIDES

Fungicidal Activity and Structure, Fungitoxicity of Some Substituted Pyridines and Quinolines Related to 8-Quinolol (Oxine) 194
A. B. Durkee

Insecticide Residues, Determination of Endrin in Agricultural Products and Animal Tissues 196
J. M. Bann, S. C. Lau, J. C. Potter, H. W. Johnson, Jr., A. E. O'Donnell, and F. T. Weiss.

Pesticide Assay, Determination of 2,3-p-Dioxanedithiol S,S-bis(O,O-diethyl Phosphorodithioate) 203
C. L. Dunn

Acaricide Residues, Persistence of Residues of 2,3-p-Dioxanedithiol S,S-bis(O,O-diethyl Phosphorodithioate) as an Acaricide on and in Mature Lemons and Oranges 210
F. A. Gunther, L. R. Jeppson, J. H. Barkley, L. M. Elliott, R. C. Blinn, and C. L. Dunn

Pesticide Determination, Determination of *m*-Dinitrophenyl Pesticides 212
Calvin Menzie

PESTICIDES/PLANT NUTRIENTS AND REGULATORS

Herbicide Effects in Soil, Effect of Certain Herbicides on Rate of Nitrification and Carbon Dioxide Evolution in Soil 214
R. W. Teater, J. L. Mortensen, and P. F. Pratt.

PLANT NUTRIENTS AND REGULATORS/NUTRITION

Forage Quality, Effect of Nitrogen Rate and Clipping Frequency upon Lignin Content and Digestibility of Coastal Bermuda Grass 217
F. E. Knox, G. W. Burton, and D. M. Baird.

NUTRITION

Amino Acids in Foods, Cystine, Tyrosine, and Essential Amino Acid Content of Selected Foods of Plant and Animal Origin 219
C. H. Edwards and C. H. Allen

NUTRITION/FOOD PROCESSING

Nutritive Value of Milk Products, Growth and Reproduction of Rats on Diets of Evaporated Milks and a Vegetable Fat Milk Product 223
L. F. Ney

FOOD PROCESSING

Toxicity in Meat Scrap, Effect of Trichloroethylene-Extracted Meat Scrap on Young Cattle 227
C. E. Rehfeld, Victor Perman, J. H. Sautter, and M. O. Schultze.

Extraction of Fats, Drying Fish and Beef Prior to Solvent Extraction 231
L. K. Arnold and P. R. Hsia.