

• New Members

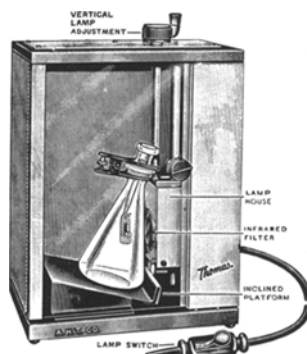
Active

- Clyde H. Amundson, Professor and Assistant Department Chairman, University of Wisconsin, Madison, Wis.
 Herman Brown, Manager, Industrial Chemicals, Sandoz, Inc., Hanover, N. J.
 Charles Buziassy, Research Food Scientist, Kellogg Co., Battle Creek, Mich.
 Carl Canter, Research Associate, Lever Bros. Co., Edgewater, N. J.
 Robert Carmello, Research Chemist, Lehn, Fink Products Co., Bloomfield, N. J.
 George Cogswell, Manager, Market Development Projects, Hooker Chemical Corp., Niagara Falls, N. Y.
 Thomas J. Cronin, Quaker Chemical Corp., Conshohocken, Pa.
 James M. Day, Manager, Chemistry and Physics Research, Whirlpool Corp., St. Joseph, Mich.
 William Patrick Doyle, Group Leader, Texaco, Inc., Beacon, N.Y.
 William Eggers, Vice President, Marketing, Pearsall Chemical Corp., Phillipsburg, N. J.
 Andre Eydt, Senior Chemist, General Foods Corp., White Plains, N. Y.
 Om Prakash Goenka, Production Engineer, Foods Fats & Fertilizers, Ltd., Andhra Pradesh, India
 Vishnu J. Gor, Research Chemist, Paint Research Associates Laboratory, Chicago, Ill.
 Peter H. Hauser, Senior Project Leader, American Cyanamid Co., East Paterson, N. J.
 Richard Hindrichs, Manager, Vegetable Oil Division, Bunge Corp. Destrehan, La.
 E. T. Hinkel, Jr., Senior Research Pharmacist, Sterling Winthrop Research Inst., Rensselaer, N. Y.
 David S. Hoffenberg, Manager for Research and Development, Pearsall Chemical Corp., Phillipsburg, N. J.
 Richard L. Hively, Research Chemist, Armour Industrial Chemical Co., McCook, Ill.
 Johannes Theodorus Hoogveen, Associate Professor, Department of Radiation Biology, University of Rochester, Rochester, N. Y.
 Dr. Thomas M. Keneko, Senior Research Chemist, Research and Development Division, Wyandotte Chemicals Corp., Wyandotte, Mich.
 Flynt Kennedy, Continental Oil Co., Supervisor Organic Research, Ponca City, Okla.
 Ernest Richard Kurginski, Formulations Chemist, The Dow Chemical Co., Midland, Mich.
 Roy Kenneth Langhans, Chemist, Atlas Chemical Ind., Wilmington, Del.
 Edward Charles Leonard, Manager, Industrial Chemical Products, National Dairy Products, Corp., Glenview, Ill.
 Henry W. Lew, Chevron Research Co., Senior Research Chemist, Stanford University, Stanford, Calif.
 Firooz Madadnoee, Assistant Production Manager, Pars Cotton Ginning & Oil Mill, Tehran, Iran.
 James Frederick Masken, Assistant Professor of Physiology & Biophysics, Colorado State University, Fort Collins.
 Gilbert Kent Meloy, Senior Research Chemist, Standard Oil Research, Cleveland, Ohio
 Frank James Miton, Assistant Plant Chemist, Corn Products Co., Chicago, Ill.
 Stanley M. Mokrzycki, Food Technologist, Corn Products Co., Bayonne, N. J.
 Karl James Moulton, Research Chemical Engineer, USDA, Northern Regional Research Laboratory, Peoria, Ill.
 Clyde F. Riley, Chief Quality Controller, Corn Products Co., Dallas, Texas
 Charles Thomas Roland, Technical Director, Consumer Products Division, Calgon Corp.
 William Rosenblatt, Supervisor of Organic Chemistry, Foster D. Snell, New York City, N. Y.
 David I. Rusch, Development Chemist, Atlas Chemical Industries, Wilmington, Del.

(Continued on page 467A)

Thomas OXYGEN COMBUSTION FLASKS and accessories

► for microdetermination of halogens, sulfur, phosphorus and other elements in organic compounds



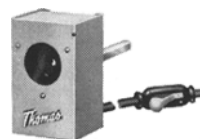
Thomas-Ogg Infrared Igniter



Thomas-Schöniger Flask



Thomas-Ogg Combustion Flask



Thomas Infrared Igniter

For many years it was thought that combustion equipment for conversion of organically bound elements to inorganic radicals had to be complicated. Elaborate combustion trains or high pressure metal bombs were used.

Schöniger, using a converted iodine flask with a platinum flag sealed below the stopper, wrapping his sample in a paper packet, and igniting the paper from a burner flame, obtained equally good results. The flask served as combustion chamber, absorber, and finally as the titration or precipitation vessel, without metal contamination.

Thomas was the first to offer the Schöniger flask, and the first to recognize the value of modifications. Such modifications include the clamp-closed Ogg flask with ball-and-socket seal, which is easier to vent following combustion; the Lisk flask, which incorporates a rubber balloon for expansion of gases; the Haack stopper with its separable sample carriers; and the Addition Funnel for wash-down of radioactive samples.

Most significant, because of their safety features, are the Ogg Infrared Igniters for remote firing of the sample.

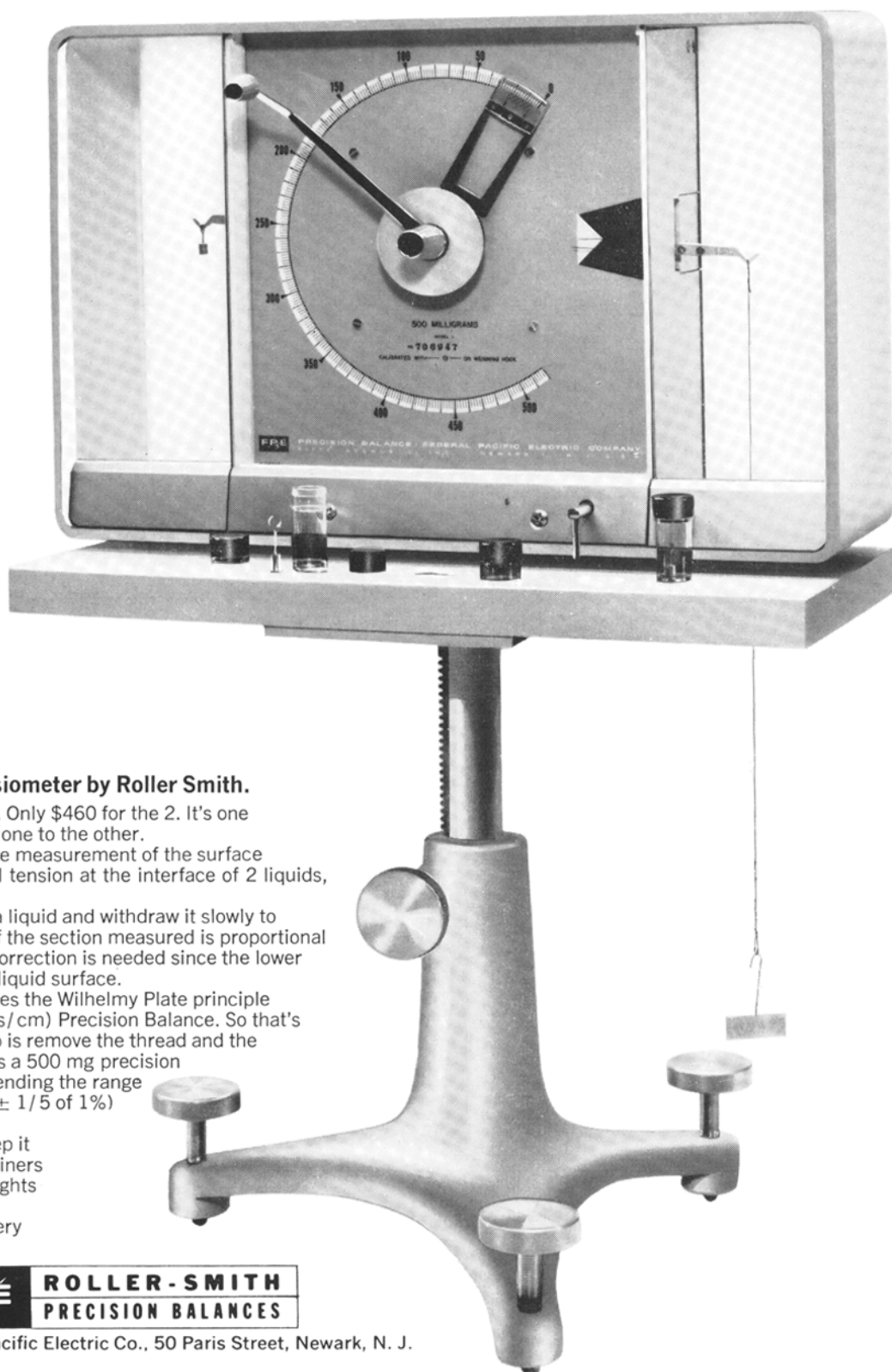
Copy of detailed Bulletin 6472-B sent upon request.
See also Thomas catalog pages 696-699.

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\$460. The Pair



This is the Rosano™ Surface Tensiometer by Roller Smith.

A tensiometer and a precision balance. Only \$460 for the 2. It's one instrument which easily converts from one to the other.

The tensiometer gives rapid accurate measurement of the surface tension of liquids, the static interfacial tension at the interface of 2 liquids, and surface pressure.

You immerse the wettable blade in a liquid and withdraw it slowly to measure the vertical force (the force of the section measured is proportional to the surface tension). No buoyancy correction is needed since the lower edge is maintained in the plane of the liquid surface.

The Rosano Surface Tensiometer uses the Wilhelmy Plate principle and is built around a 500 mg (98 dynes/cm) Precision Balance. So that's where the balance comes in. All you do is remove the thread and the wettable blade and the device becomes a 500 mg precision balance with a tared capacity of 3, extending the range to 1500 mg without loss of accuracy ($\pm 1/5$ of 1%)

The instrument comes with a tough carrying case, plastic dust cover to keep it clean and unscratched, and four containers for storing accessories and counterweights within the base of the balance.

For what you're getting \$460 isn't very much. In fact at this price you might as well get yourself a pair.

FPÉ

**ROLLER-SMITH
PRECISION BALANCES**

Federal Pacific Electric Co., 50 Paris Street, Newark, N. J.