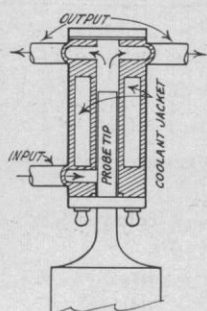
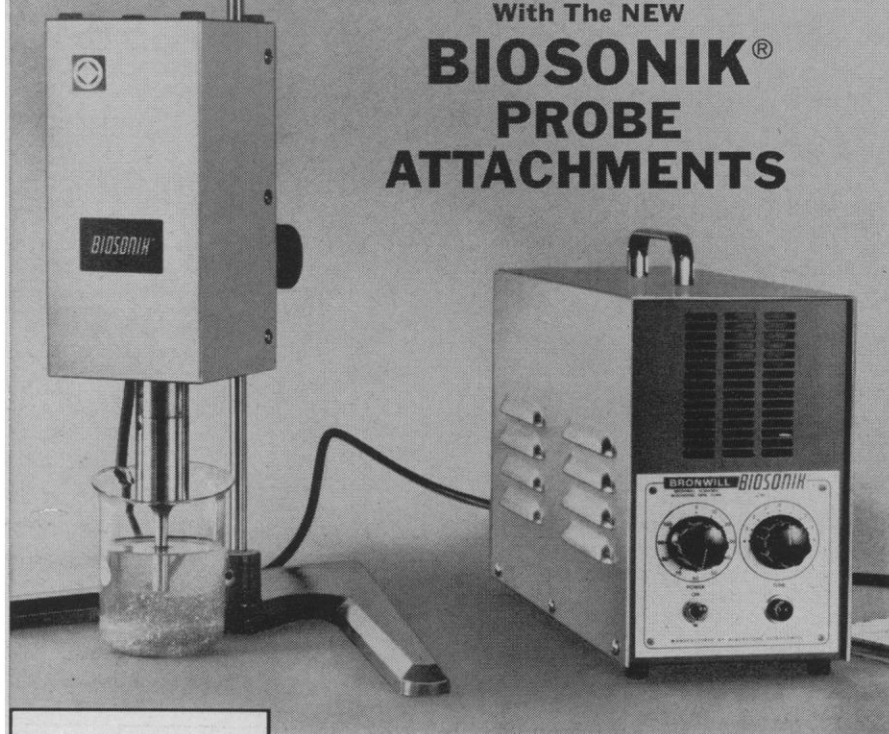
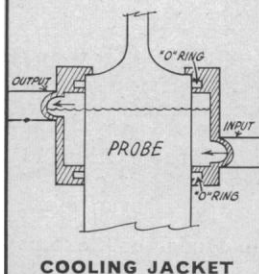


CELL DISRUPTION MICRO VOLUMES TO CONTINUOUS FLOW

With The NEW **BIOSONIK® PROBE ATTACHMENTS**



**CONTINUOUS
FLOW/HIGH
INTENSITY
CHAMBER**



COOLING JACKET

WHEN GREATER INTENSITY IS NEEDED...

The new Biosonik Probe with these attachments is your best buy. It's the apparatus you need for special applications where localized cavitation is required for cell disruption of microorganisms; emulsification and preparation of solutions of difficult-to-dissolve substances. Power output: 120 watt to 240 watt peak capacity. Price: \$798.

CONTINUOUS FLOW/HIGH INTENSITY CHAMBER

This multi-purpose attachment permits even greater use of the new Biosonik Probe, in applications where intense, localized ultrasonic vibrations are required in batch or continuous flow of product. 2 ml microchamber disrupts yeast.

- Jacketed for cooling—Coolant flows continuously through jacket, reducing heat buildup during extended operation.
- May be sterilized—316 stainless steel construction.
- May be used upright or inverted.
- Easily attaches to probe—no tightening necessary. "O" rings insure leakproof fitting.
- Capacity controlled by moving probe in or out of chamber as desired. Batch capacity: .564 cc to 3.6 cc. Price: \$150.

COOLING JACKET—Attachment eliminates heating problems encountered when employing standard high intensity probe tip. Price: \$50.

25 ml cup tip available. Write for complete details.



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W. Dean Warren, associate professor of surgery at the University of Virginia, has been appointed professor and chairman of the University of Miami's department of surgery in the school of medicine.

Bruce MacLean Eberhart, formerly of the department of biology, Princeton University, has been named head of the biology department at the Woman's College of the University of North Carolina, Greensboro.

Head of the Philco Corporation's newly formed Advanced Technology Laboratory, in Blue Bell, Pa., is **Peter M. Kelly**, formerly director of research in the company's electronic sciences department.

Donald G. Lee, anatomy professor and head of the laboratories of anatomy at the University of Pennsylvania School of Veterinary Medicine, has been appointed associate dean of the school.

Mahinder S. Uberoi, formerly professor of aeronautical and astronautical engineering at the University of Michigan, has been named chairman of the aeronautical engineering department of the University of Colorado.

Randall G. Rice, formerly with Chemical Abstracts Service, Columbus, Ohio, has become head of the materials sciences division, Armed Services Technical Information Agency.

E. Ross Hart, of the Veterans Administration Research Laboratories in Neuropsychiatry, Pittsburgh, has joined the research staff at Bionetics Research Laboratories, Inc., Falls Church, Va.

Lester C. Van Atta, former director of the Hughes Aircraft Co. research laboratories, has been named chief scientist at Lockheed Missiles and Space Co., Sunnyvale, Calif.

Alfred A. Messer, former director of the Family Mental Health Clinic, Clifton, N.J., has become professor of psychiatry (research) at Emory University, Atlanta, Ga.

Erratum: In the report "Evaluation of isotope exchange by chromatography" by J. Morávek, Z. Nejedlý, and J. Filip [*Science* **138**, 146 (1962)], the lines "where *a* is the total concentration of the compound in the reacting mixture [OS*] + [OS]" should have read: "where *a* is the total concentration of the sulfur in the reacting mixture [SS*] + [SS]".