Are your staff benefit plans doing their job as well as they could?

If your benefit programs have not been thoroughly reviewed recently, chances are they no longer meet the needs of your institution and its staff members as well as they once did.

Over sixty years of experience with educational institutions
As unique organizations, chartered to serve only the educational community, The Teachers Insurance and Annuity Association (TIAA) and The College Retirement Equities Fund (CREF) have worked with administrators at thousands of eligible institutions* to develop benefit plans to meet the specific needs of these institutions and their staff members. TIAA began serving educational institutions in 1918 and CREF was founded as a companion organization in 1952.

An important service...at no cost
Upon request, a TIAA-CREF counselor will assist you with a review of your institution’s Retirement, Tax-Deferred Annuity, Group Life, Major Medical and Total Disability plans.

We can tell you what institutions like yours are doing, whether your plans can be improved, how staff benefits costs can be contained and how TIAA-CREF benefit plans are designed to meet the special needs of educational institutions and their staff members. All at no cost or obligation.

For example, a TIAA disability plan can provide lifetime benefits to a disabled employee through a combination of monthly income payments and the continuation of retirement plan contributions. A plan offered by TIAA can also increase disability benefits on each anniversary of the initiation of benefits to help benefit levels adjust to cost of living increases. This is just one example of the way our plans have been developed to meet your institution’s needs.

How to arrange for a review with your TIAA-CREF Counselor
Just complete the coupon below and return it to us today. A TIAA-CREF Counselor will contact you. Or, if you’d like more information about TIAA-CREF and the plans made available to eligible institutions, please check the boxes for the benefit plans you’re interested in.

*Colleges, universities, private schools and certain other nonprofit tax-exempt educational and research organizations such as museums and libraries are eligible for TIAA-CREF’s services.
Introducing the LKB 4400 Amino Acid Analyser.

With its modern modular design, the LKB 4400 marks a new beginning in amino acid analysis. Providing tomorrow's technology at today's price.

**Fast Analysis Time**
The results you get from this fast-working analyser can be seen in a matter of minutes. Just 65 min. to be exact for a complete protein hydrolysate analysis. And physiological fluid analysis in under 3 hours.

**High Sensitivity**
The LKB 4400 is highly sensitive to all your analyzing needs. It has the unique ability to detect less than 100 picomoles of amino acids. Low Sample Volume: An Automatic Convenience. Any volume from 5-160 μl can be used to load the sample capsules. And you get built-in convenience with the standard 72-sample autoloader. Data handling accessory is optional.

**Modern Modular Design**
More attractive. More accessible. More compact. Made of stainless steel instead of plastic, the LKB 4400 has a higher resistance to chemical corrosion. And its easily serviceable modular design enables the operator to achieve maximum results with minimum downtime.

**Integral Refrigeration Unit**
Preserves samples and prolongs ninhydrin reagent lifetime to obtain optimal use and economies. The reagent receives additional protection from a blanket of nitrogen gas.

**High Temperature Reaction Coil**
A unique design feature of the LKB 4400, this high temperature reaction coil develops the color in under two minutes while maintaining the resolution achieved on the analytical column.

**Solid-state Column Heating**
The latest liquid chromatography technology eliminates the need for circulating water baths by providing fast temperature rise capability. This improves chromatographic performance, reduces analysis time, and increases cost effectiveness.

**Full Safety System**
Particular emphasis has been placed on safety. In the event of any irregularity, a warning is immediately flashed on the readout panel and the system automatically shuts down until the problem is solved.

**Stop. Look. Compare.**
Before you buy an amino acid analyser, compare the LKB 4400 against its competition. Feature for feature. Dollar for dollar. You'll find the results speak for themselves.

**LKB Instruments, Inc.**
12221 Parklawn Drive
Rockville, Md 20852
Tel. 301-881-2510

Yes, I want to compare and save.

☐ Please have a representative contact me for a demonstration.

☐ Please send me additional information on the LKB 4400.

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Napco® announces: the years-ahead incubator system that won't be matched.

The new Napco water jacketed 6000 series embodies more important benefits and features than any incubator ever marketed.

Here are some of over 15 advances in incubator design.

1. More accurate control of chamber temperature. By positioning sensors not only in the water jacket, but also in the chamber itself, Napco permits more precise chamber monitoring than other water jacketed incubators.

2. New electronic controls, digital display. New solid state control system reduces chamber variances, and scanning digital displays monitor chamber parameters.

3. The first modular design. All control elements can be unplugged from the chamber module for quick service.

4. Unique wet-jet air flow system. The exclusive wet-jet air flow system provides maximum chamber uniformity and assures the highest relative humidity available in any incubator.

5. More secure chamber uniformity. Superior new Napco door closure systems ensure integrity of inner chamber.

6. The only water jacketed CO₂ incubator you can get really clean. Shelf standards and plenums can be easily removed for cleaning in five minutes. This leaves an empty, perfectly smooth chamber that can be swabbed for easy management of spores and contaminating organisms.

7. The best service in the industry. If you should ever have an equipment breakdown, a Heinicke-Napco Minute Man will be on his way to you in 48 hours. You'll seldom need the Minute Man service because Heinicke and Napco instruments are built to work. But if you do, dial toll free 800-327-9783.

Introducing a new constant flow incubator—the 4000 series. The new modular Napco constant flow system embodies a unique principle that offers superior results in tissue culture and related disciplines. Each of the modular chambers has its own individual controls and separate metering system, to accommodate specific environments in each module.


All Napco water-jacket incubators are available in three space saving models.

Circle No. 130 on Readers' Service Card
Cahn Instruments, for over twenty years the leader in instrumentation for accurate weight measurements at the microgram level, now provides a wide choice of balances for your specific applications.

Microbalances
Cahn Series-20 Automatic Electrobalances®: Select the one that best fits your needs. Rugged and reliable in design, Series-20 Microbalances are used whenever accurate and highly precise weighings are required. Examples include quantitative and instrumental analysis, filter weighing, standards preparation, biological samples, etc.

- 0.000001 g (0.1 microgram) sensitivity
- Automatic weighing
- Exclusive “No Penalty” tare
- Portable, use on any reasonably flat surface
- Five models to choose from

Circle Reader Service Card No. 380

Semi-Microbalances
Cahn Toploading Millibalances®: Fast accurate weighing of small samples. Used widely in biomedical and biological research, quality control and checkweighing applications.

- 0.00001 g (10 microgram) sensitivity
- Fast, accurate weighing
- No special environment required

Circle Reader Service Card No. 381

Analytical Balances
The TA 450: A Microprocessor Controlled Toploading Analytical Balance at the price of a mechanical balance. The TA 450 combines the precision and accuracy of the classical analytical balance with the speed and ease of operation of an electronic toploading balance.

- 0.0001 g (0.1 milligram) sensitivity
- Unique “StayPut” airhood for easy access to the weighing chamber
- Full range (+ or -) push-button tare
- Push-button storage and recall of weighings
- Two year warranty

Circle Reader Service Card No. 382

Cahn Instruments, Inc. 16207 South Carmenita Road, Cerritos, CA 90701 Phone (213) 926-3378 TWX 910-583-4806
Want the only dispenser with a Teflon-coated plunger?

Ask for the 'Teflon Dispenser.'

Why does a Brinkmann Dispensette seem to work more smoothly than other bottle-top dispensers? The secret is its Teflon-coated plunger. Dispensers with glass or polypropylene plastic plungers often 'freeze' or 'stick' when used with alkaline reagents. On a Dispensette, the Teflon coating on the plunger insures smooth operation with most reactive chemicals (except HF), even with many concentrated acids and bases.

Of course, it takes more than a smoothly-working plunger to make a dependable dispenser. Instead of external glass tubing that could break or chip, Dispensettes are equipped with flexible Teflon filling and discharge tubes that can easily be cut to any desired length. Simply pull them off and a Dispensette is ready for autoclaving at 120°C without further disassembly.

Dispensette offers a wide selection of models for fast, accurate dispensing of volumes from 0.1 to 50ml, with better than ±1.0% accuracy and ±0.1% reproducibility. There is hardly a standard size screw-neck reagent bottle, can or container (even STJ 24/40 and 29/42 glassware) which a Dispensette will not fit, either directly or with optional screw-in adapters.

Some Dispensette design features have been copied by other dispensers, but none has its smooth, foolproof operation. That's because only Dispensette has a Teflon-coated plunger. Write for literature: Brinkmann Instruments, Inc., Cantiague Rd., Westbury, N.Y. 11590. In Canada: Brinkmann Instruments (Canada), Ltd.

Brinkmann Dispensette®

Available from: Ace Scientific
Beckman Instruments, Science Essentials Operations
Bio-Rad Laboratories/Cole-Parmer Instrument Co.
Curtin Matheson Scientific/Fisher Scientific
General Scientific/Markson Scientific/Preiser Scientific
Sargent Welch/Scientific Products/SGA Scientific

For information circle R S # 297
For demonstration circle R S # 298

Dispensette® is a registered trademark of R. Brand Co.
Teflon® is a Du Pont trademark.
MORE CONVENIENCE
New pre-blended Ampholine® carrier ampholytes for electrofocusing are available in three narrow and one wide pH range. Now there's no need to spend time mixing to achieve these specific ranges. Just select the pre-blended Ampholine you need (pH 2.5 to 4.5, 4.0 to 6.5, 5.0 to 8.0 and 3.5 to 9.5). They're designed to give the same linear, virtually drift-free pH gradient achieved using standard Ampholine with LKB Agarose-EF or acrylamide gels.

MORE POWER
The new Model 2197 Power Supply for electrofocusing and electrophoresis offers top-of-the-line features at a very affordable price. The Model 2197 delivers up to 2500V for high-resolution electrofocusing and its 250mA output makes it useful for other electrophoretic techniques. Choose constant power/constant voltage/constant current/time control modes to suit your application. Automatic crossover between running modes compensates for varying gel conditions. Built-in timer with alarm and automatic shutoff allows for time control. With accurate control of four parameters, you can achieve maximum resolution and reproducibility in all your electrofocusing and electrophoresis experiments. Bright LED display lets you monitor performance easily and the Model 2197 is designed to comply with all relevant safety standards.

MORE ECONOMY
LKB's new capillary gel casting system easily produces gels only one quarter the thickness of standard ones. You save substantially on reagent use and you'll be able to employ higher voltage for decreased run times because the new thinner gels dissipate heat more efficiently. The capillary gel casting kit works with agarose and acrylamide gels. Combine it with the new pre-blended Ampholine and the 2500 volt power supply to significantly reduce your run times while cutting costs. Ask your local LKB representative for more information on these new products and the complete line of LKB instruments and consumables. Depend on the leader in electrofocusing to give you more.
A new low in electron microscopy.

150X with high resolution.

Now with the Zeiss EM-109 you can scan at familiar light-microscope magnifications, then by just turning a switch go immediately to 3000X or even 250,000X. Resolution at 150X is 200Å; at high magnifications, 3.44Å. The quality is such that photographs can be enlarged many times, or 35mm slides can be projected without distortion or loss of quality.

The easy and efficient Specimen Saver.

Zeiss' patented system with new high quality electron optics lets you achieve low magnifications without burning your specimen. **MDF** Micro-Dose-Focusing makes focusing easier than ever. **TFP** Trans-Fiberoptic-Photography lets you change film outside the vacuum. **IGP** Ion-Getter-Pumping keeps EM-109 ultraclean, always ready. *Nationwide service.*

The great name in optics.