

**INFECTION
CONTROL**®

ice

January/February 1980 Volume 1/Number 1

**The "Hospital Epidemiologist"
in U.S. Hospitals, 1976-1977:
A Description of the Head of the
Infection Surveillance and Control Program
Report from the SENIC Project**

Robert W. Haley, M.D.

**Nosocomial Viral Infections:
I. Epidemiology and Significance**

William M. Valenti, M.D., Marilyn A. Menegus, Ph.D.,
Caroline Breese Hall, M.D., Patricia H. Pincus, R.N.,
R. Gordon Douglas, Jr., M.D.

**A Pseudoepidemic of Pulmonary
Fungal Infections Related to
Fiberoptic Bronchoscopy**

Charles J. Schleupner, M.D., John R. Hamilton, Ph.D.

NOW A CENTER ENTRY URINARY DRAINAGE BAG FOR THE 80's

WITH YOUR CHOICE OF PREMIUM
FOLEY CATHETERS FROM BARD

The BARDEX® Silicone Elastomer Coated
Foley Catheter or

The ***Silicone 100**
BARDEX® Foley Catheter

*made entirely of silicone elastomer



Regarding all Drainage Bags: **CAUTION:** Federal (U.S.A.) Law restricts these devices to sale by or on the order of a physician.

Regarding all Foley Catheters: **USAGE:** For 5cc balloons, use 10cc maximum sterile water.

WARNING: On catheter, do not use ointments or lubricants.

BARD and BARDEX are trademarks registered in the U.S. Patent and Trademark Office by C.R. Bard, Inc.

...IN A TRAY FROM BARD

THE BARD® CENTER ENTRY URINARY DRAINAGE BAG

- Round Profile/Center Entry
- Easier to Empty
- Prevents Pooling
- Better Balance

WITH THESE SPECIAL INFECTION CONTROL FEATURES



A. Exclusive BARD® Tamper-Evident Seal†

Assures a Continuous, Unbroken Catheter/Bag Link-up
Permits Opening When Needed

B. Redesigned Anti-Reflux Valve

Prevents Urine Reflux in Any Bag Position

C. Catheter Care Starter Kit

Povidone-Iodine Ointment, 4" x 4" Pad and Instructions

PLUS These Special Features

- Walleated Latex Gloves
- Patient Education Booklet
The Basics of Proper Bladder Drainage
- Calibrated Specimen Container
- 10cc Sterile Lubricant in Dispenser
- With all components sequence-packed for
Foley catheterization procedure.

† patent pending



BARD UROLOGICAL DIVISION

C.R. Bard, Inc., 111 Spring Street, Murray Hill, N.J. 07974

World Leader in Urinary Drainage Systems

CLEAN HANDS...
**illusion
or reality?**

NO NEED
TO GUESS WITH
HIBICLENS[®]

(chlorhexidine gluconate)
**ANTIMICROBIAL
SKIN CLEANSER**

EFFECTIVE

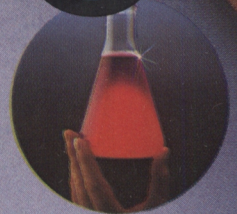
Rapid, persistent
antimicrobial action against a
wide range of microorganisms

VIRTUALLY NON-IRRITATING

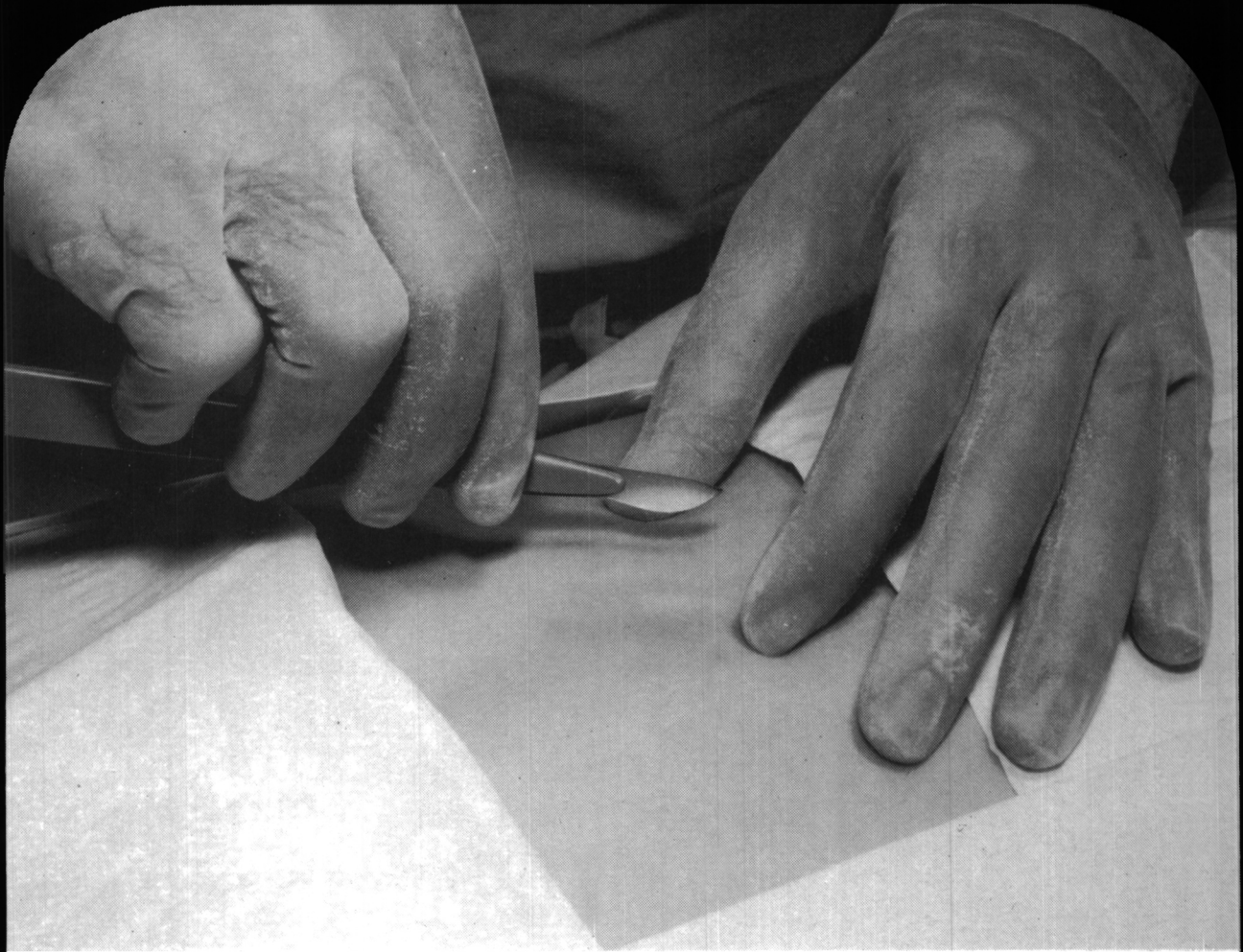
Low sensitization potential

PLEASANT TO USE

Elegant feel, lightly scented—leaves skin
smooth and supple even with repeated use



STUART PHARMACEUTICALS | Division of ICI Americas Inc.
Wilmington, DE 19897

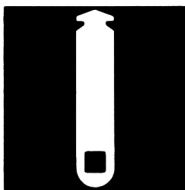


You need to know now!

Delayed results from culture tests are fine, but you also need Diack[®] and Vac controls to tell you instantly if something has gone wrong during sterilization. No waiting. No guessing. No worrying. As soon as you open that pack, a glance tells you if something is wrong. It may be a human error or a sterilizer malfunction . . . but Diack is there to tell you on the spot. Reliably. Simply. If the glass-enclosed pellet hasn't melted, something is definitely wrong. Diacks: 250° F. Vacs: 270° F. Simply reliable . . . reliably simple.



Write For
Free Samples



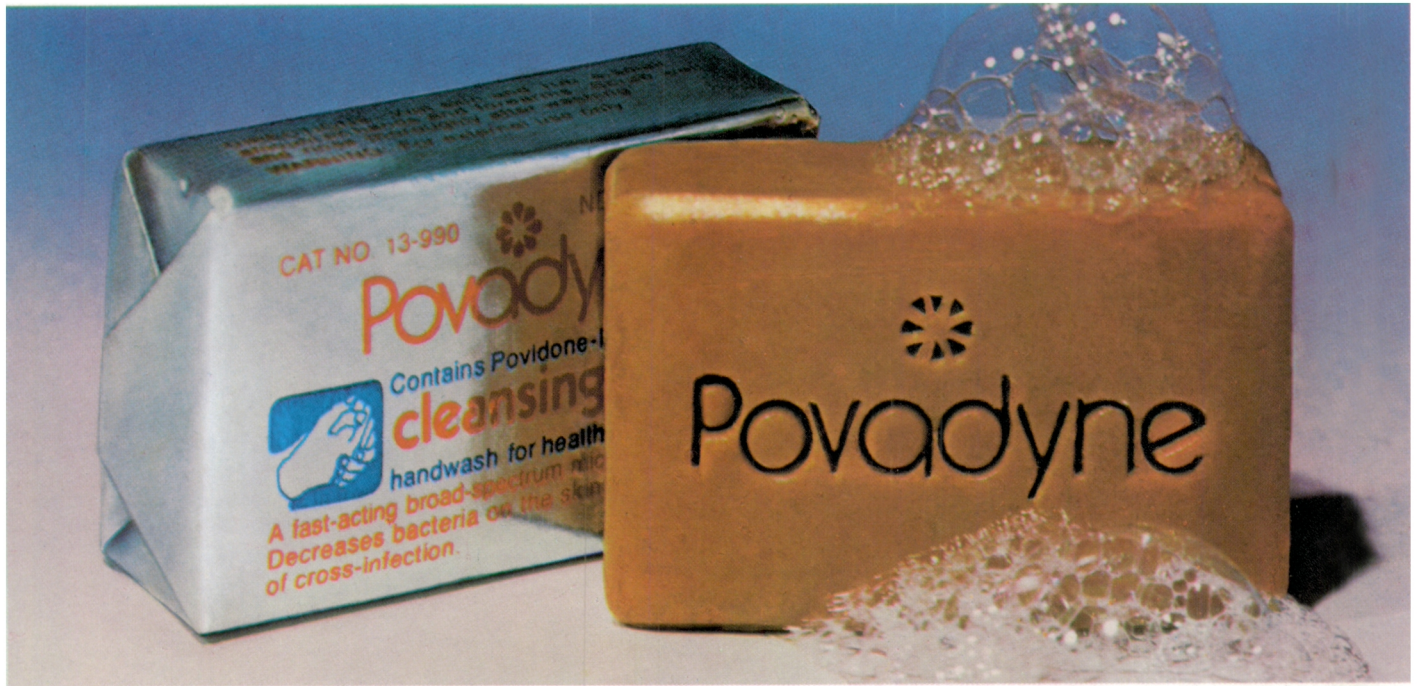
*Diack and Vac are trademarks for products
manufactured exclusively by
Smith and Underwood Laboratories*

DIACK INCORPORATED

7755 NARROW GAUGE ROAD, BEULAH, MICHIGAN 49617

Chaston announces an important development:

Now wash your hands with a soapless, gentle to the skin cleansing bar containing povidone-iodine



Ever since povidone-iodine was compounded—more than 20 years ago—a number of companies have attempted to produce a hard milled bar containing povidone-iodine.

Chaston introduces the Povadyne® Cleansing Bar, containing povidone-iodine, U.S.P. 5%. The Povadyne® Cleansing Bar is patented. (U.S. Patent #4,130,640)

Significantly Reduces Microbial Flora on the Skin

In an in vivo test the Povadyne® Cleansing Bar reduced, on average, the microbial flora on the skin by 99%.

Superior to Other Handwashing Materials

In vitro documentation demonstrates that the Povadyne® Cleansing Bar is more effective than other handwashing materials against a broad spectrum of gram positive and gram negative bacteria, including Pseudomonas, and Staphylococcus.

Unparalleled Convenience

Many hospital personnel prefer a convenient bar cleanser for handwashing even when a microbicidal liquid cleanser is present. Chaston's Povadyne® Cleansing Bar is the only povidone-iodine microbicidal skin cleanser in a convenient hard milled bar form. The Cleansing Bar has full sudsing action for effective lathering.

Gentle to the Skin

Chaston's Povadyne® Cleansing Bar is non-alkaline; it is virtually non-irritating to the skin.

Cost Effective

Each 3/4 oz. Cleansing Bar allows numerous handwashes. Approximate cost—less than 1¢ per handwash.

Send for Free Sample and Test Data Report

The Povadyne® Cleansing Bar can be an important element in your infection control program. Send for a free sample to see how convenient it is. You will also receive a Test Data Report that demonstrates how effective the Cleansing Bar is.



Free Sample and Test Data Reports

Please send me a Free sample of the Povadyne® Cleansing Bar and a copy of the Test Data Report.

IC-1

Name _____ Title _____
Dept. _____ Tel. No. _____
Hospital _____
Address _____
City _____ State _____ Zip _____

medical and surgical products

Chaston

3 Huntington Quad • Melville, New York 11747



Editorial	
Richard P. Wenzel, M.D., William A. Schaffner, M.D.	13
New Developments in Infection Control	15
The "Hospital Epidemiologist" in U.S. Hospitals, 1976-1977: A Description of the Head of the Infection Surveillance and Control Program Report from the SENIC Project	
Robert W. Haley, M.D.	21
Nosocomial Viral Infections: I. Epidemiology and Significance	
William M. Valenti, M.D., Marilyn A. Menegus, Ph.D., Caroline Breese Hall, M.D., Patricia H. Pincus, R.N., R. Gordon Douglas, Jr., M.D.	33
A Pseudoepidemic of Pulmonary Fungal Infections Related to Fiberoptic Bronchoscopy	
Charles J. Schleupner, M.D., John R. Hamilton, Ph.D.	38
Departments	
Information for Authors	19
Legislative News	44
The Law and Infection Control	47
Applied Statistics in Infection Control	50
Calendar of Events	54
Book Review	57
New Products and Services	58
Index to Advertisers	60

Publisher: Infection Control is published bimonthly by Charles B. Slack, Inc., 6900 Grove Road, Thorofare, New Jersey 08086. Telephones: Thorofare (609) 848-1000; New York (212) 285-9777.

Copyright 1980. Published bimonthly by Charles B. Slack, Inc., 6900 Grove Road, Thorofare, New Jersey 08086; telephone (609) 848-1000. All rights reserved. No part of this publication may be reproduced without written permission from the publisher.

Subscriptions: Subscription requests should be addressed to the publisher. Annual subscription price is: Individual, One year—\$18.00; Two years—\$34.00; Three years—\$50.00. All subscriptions, without exception, will start with the first issue published after the order is received. Back copies are available, but must be purchased separately. Cost per individual copy is \$4.00. All orders for individual issues must be accompanied by payment.

Change of address: Notice should be sent to the publisher six weeks in advance of effective date. Include old and new addresses with zip codes. The publisher cannot accept responsibility for undelivered copies. Controlled circulation postage is paid at Thorofare, New Jersey 08086.

BPA audit applied for.

Vernitron and Better Built have joined forces.

What's in it for you?

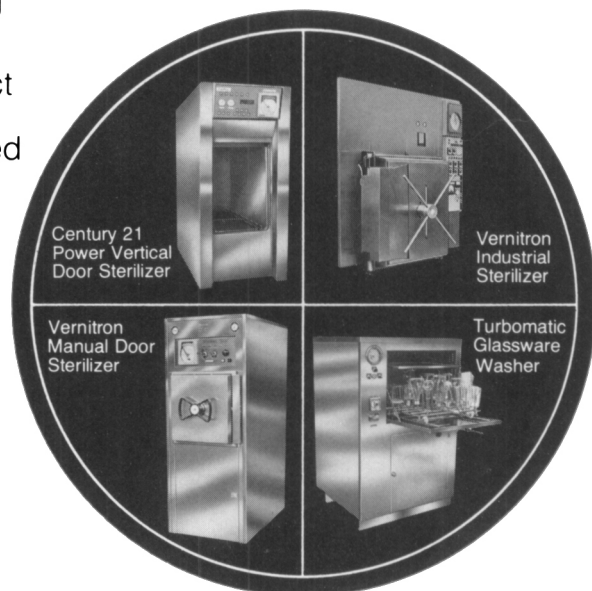
Two forces together—combining the best of both!

GIVING US increased in-house capabilities. Greater production economies. An ideal combination of advanced engineering expertise. And a *doubly* quality-oriented management team.

GIVING YOU the broadest product range of sterilizers, autoclaves, washers, and dryers. Backed by more than 90 years of industry experience. Serviced by a *localized* network of sales and service professionals, coast to coast.

What's in it for you?

The Vernitron/Better Built Commitment: To provide the finest quality equipment, accurately matched to our customers' needs, and supported by the highest degree of customer-oriented service.



For more information, write or call today.

Vernitron/Better Built



VERNITRON MEDICAL PRODUCTS
5 Empire Boulevard, Carlstadt, New Jersey 07072 (201) 641-5500
TELEX: 13-3345 CABLE: VERNIMED NEWYORK

The Dilution Solution!

**1 QUART MAKES 7½ GALLONS
OF FULLY EFFECTIVE DISINFECTANT**

Advantages

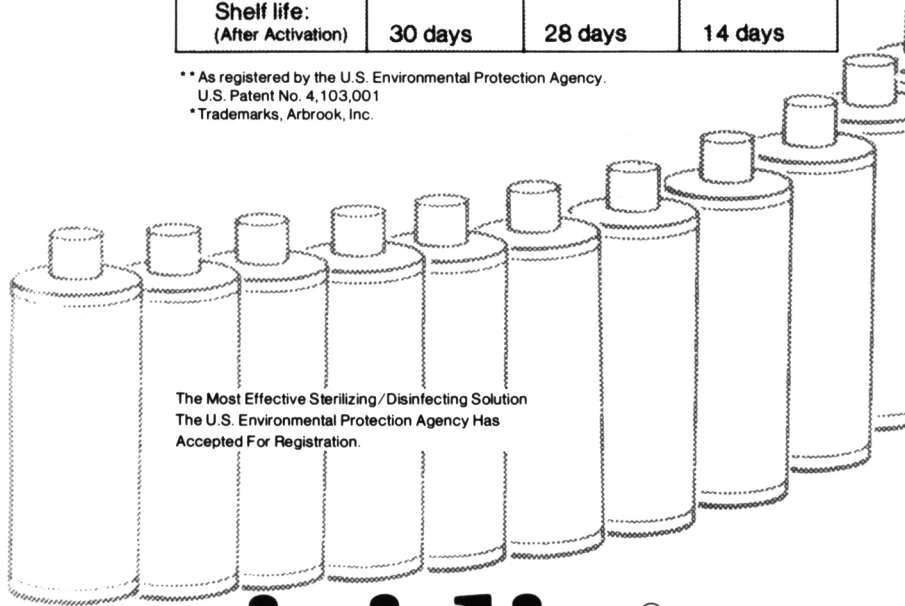
- Only 0.07% glutaraldehyde at full dilution
- Doesn't "yellow" hands
- Doesn't smart eyes or nostrils
- Ideal for use in the Cidematic machine
- Instrument and equipment safe
- Varying the dilution allows for water introduced by wet instruments
- Saves storage space
- Substantial Savings

A Synergized Glutaraldehyde . . . The Only Cold Sterilizer That Can Be Diluted For Disinfection.

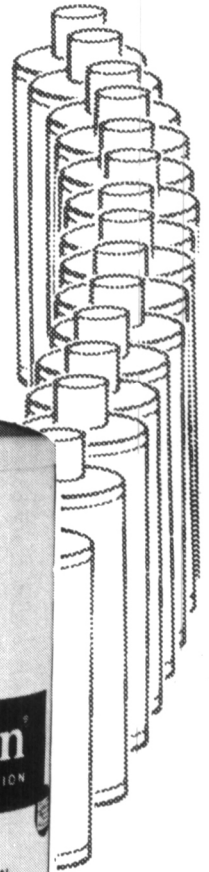
Summary of Activity**

	Sporicidin®	Cidex-7 *	Cidex*
Sterilization: Time Dilution	6¾ hours No	10 hours No	10 hours No
Disinfection: Time Dilution	10 minutes add 29 parts water	10 minutes full strength only	10 minutes full strength only
Shelf life: (After Activation)	30 days	28 days	14 days

** As registered by the U.S. Environmental Protection Agency.
U.S. Patent No. 4,103,001
* Trademarks, Arbrook, Inc.



The Most Effective Sterilizing/Disinfecting Solution
The U.S. Environmental Protection Agency Has
Accepted For Registration.



Sporicidin®

COLD STERILIZING SOLUTION

Tell Me More About SPORICIDIN. IC-1

Name _____

Hospital _____

Department _____

Address _____

City _____ State _____ Zip _____

Remarks: _____

The Sporicidin Company
4000 MASS. AVE., N.W., WASHINGTON, D.C. 20016
TEL: (800) 424-3733

St. Francis of Evanston, Illinois.

What simple, inexpensive change enabled St. Francis to reduce patient and staff exposure to thermometer microbial contamination while retaining their reliable glass thermometers?



clean barrier between the patient and the thermometer. There is added protection for the medical practitioner also since the sheath inverts after use entrapping possible contaminants inside.

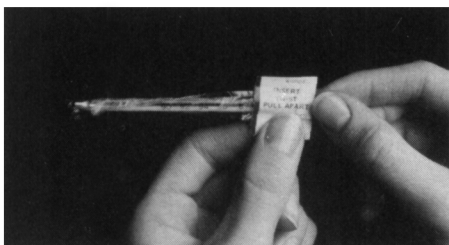
The TEMP-AWAY Kit is clearly only one of many elements in the comprehensive St. Francis infection control program. This program has now effectively reduced the infection rate by half in the last four years . . . only one of the multiple innovative, progressive activities at St. Francis. Witness:

St. Francis is an important regional resource in cardiology and cancer care.

St. Francis created the Paul V. Galvin Heart Institute in 1975. Now one of the most comprehensive heart centers in the midwest—with a reputation that serves to attract patients from other states and foreign countries—St. Francis consists of

The simple change:

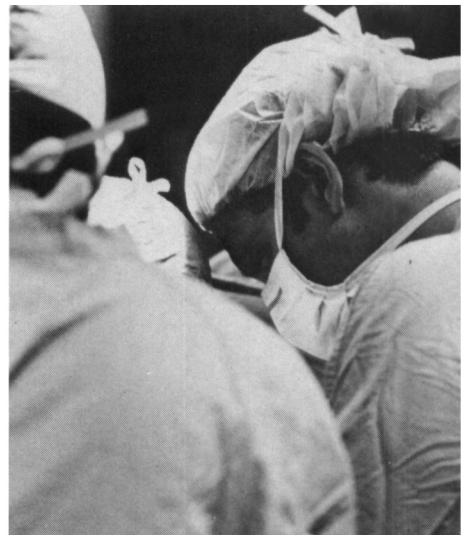
They switched, wherever possible, to B-D Single-Patient TEMP-AWAY Thermometer Sheath Kits. As the photo shows, these kits include a B-D Thermometer and a supply of single-use plastic film sheaths (oral or prelubricated rectal). These sheaths cover the thermometer and thus *every time* interpose a



a Diagnostic Center, a Coronary Care Unit, a Coronary Surveillance Unit, a Surgical Heart Unit (over 500 open heart procedures were performed in 1977), and a Coronary Rehabilitation Center.

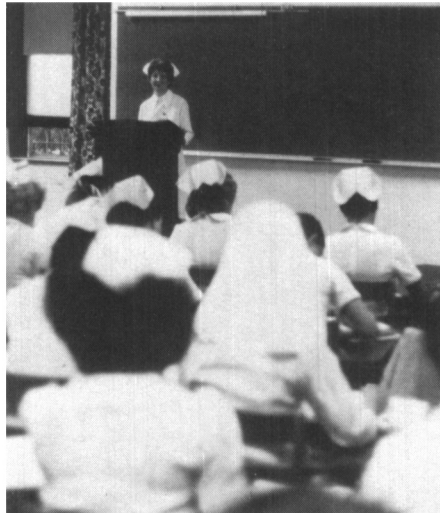


Similarly, the St. Francis Foster McGaw Cancer Care Center is providing a level of sophisticated state-of-the-art diagnosis and therapy for cancer patients. Now in place or to be available near term: an 18 MEV linear accelerator, cobalt therapy equipment, a whole body CAT scanner, and a nuclear medical tomographic scanner.



St. Francis is an unusually responsive general care facility for 13 Illinois communities.

While properly pleased with its growing reputation as a regional resource, St. Francis recognizes its major responsibility to the 750,000 people of Evanston and the other 12 Illinois communities it serves in the Chicago area. Two examples of the St. Francis community programs: Mobile Intensive Care Units (specifically designed emergency units staffed by paramedics trained at St. Francis); and a unique Adult and Child Guidance Center (a community psychiatric outpatient service for the diagnosis and treatment of emotional disorders).



St. Francis is also teaching its constituents about preventive medicine.

Defining its health care mission as extending beyond the provision of acute



St. Francis is a major teaching institution.

St. Francis—with its affiliation with the Loyola University Stritch School of Medicine and the Northwestern University Medical School—is one of the elite group of U.S. hospitals that are teaching hospitals. The hospital also operates a School of Nursing and trains students in radiologic technology, radiation therapy, and in eight other specialty fields.

St. Francis is a leader in cost containment.

St. Francis has instituted a number of aggressive cost containment programs over the past several years . . . while maintaining a high quality of patient care. Result: Costs in 1977 were limited to a 7.7% rise over the previous year; that is, to approximately the level of inflation. Another measure of effectiveness: St. Francis has reduced the average length of patient stay by 2.7% since 1971.

episodic care, St. Francis has taken on the responsibility for "selling" its clientele on the value of, and techniques for, practicing preventive medicine. Community health programs have now been organized to help maintain health and to limit unnecessary reliance on the health care system. In effect, St. Francis has taken this bold position with its constituents: "Your failure to minimize 'preventable' illness involves your own health and your own pocketbook." Early returns suggest that the audience is now beginning to listen.

A final comment . . . and an offer.

Obviously B-D is pleased that institutions of the high caliber of St. Francis turn to us for help in solving their problems. The single-patient TEMP-AWAY Thermometer Sheath Kit was adopted because it enabled them to retain the desired glass thermometers while reducing the exposure of the patient and the staff to microbial contamination by the thermometer. (Is there an idea here for you?) In addition to the oral and rectal kits, the TEMP-AWAY Sheaths are available in bulk form. To see samples of these sheaths—and to learn more about their use and benefits—please see your local B-D representative, or use the coupon below, or write Dept. 360, Becton-Dickinson, Rutherford, N.J. 07070.

B-D: The world leader in thermometer sheaths.

BECTON-DICKINSON

Division of Becton, Dickinson and Company
Rutherford, New Jersey 07070



Send for free samples today:

Dept. 360
Becton-Dickinson
Rutherford, N.J. 07070

IC

Please send samples and information about your TEMP-AWAY Thermometer Sheath products.

Name _____

Title _____

Organization _____

Address _____

Now, more economical than ever...

SteriGage™

Steam Sterilization Indicator

Time, temperature, and steam at a glance.

Accurate

The SteriGage Indicator provides accurate results by integrating time, temperature, and steam just as live spore strips do. The SteriGage Indicator is accurate to $\pm 1.5^{\circ}\text{C}$ at 121.1°C (250°F).



Versatile

The SteriGage Indicator can be used in every steam sterilizer in your hospital, including flash sterilizers. It also works at all normal sterilization temperatures, eliminating multiple inventories.



Immediate

The SteriGage Indicator provides instant readouts—no incubation period required.



Precise

The SteriGage Indicator has a precise endpoint that clearly indicates whether conditions for steam sterilization have been met. No reader interpretation is necessary.



© 1979 ORGANON INC.
ORG-7130



Only a device like the SteriGage Indicator, based on migration of a melted chemical, can integrate small changes in time and temperature in saturated steam.

Distributed by:
Organon Hospital Products
Organon Inc.
West Orange, NJ 07052



A PART OF Akzo INC