

New Bolton Center

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Medicine. Located deep within the hills of this Kennett Square community, the hospital was built in 1968, after it was no longer feasible to house the large animals at the Penn campus in West Philadelphia.

Christened New Bolton, the center's most recent addition is the Connelly Intensive Care Unit and Graham French Neonatal Section.

"New Bolton has quite a reputation as an equine center for the

'Most of the technology available for humans is also being used for animals.'

treatment of special orthopedic problems," said Helma N. Weeks, director of communications for the University of Pennsylvania School of Veterinary Medicine. "It's one of the foremost equine centers in the world."

Because of the New Bolton Center's proximity to the premier breeding and training ground of some of the nation's finest race and show horses, the center, incorporating some 600 acres, receives about 6,000 patients a year. In addition, about 17,000 animals are treated each year by the field service staff on the farms and on-call veterinarians from 6:00 p.m. to 6:00 a.m. every day (see related

story, this issue). About 85 percent of the patients are horses; the remainder include cows, goats, and sheep.

118 stalls

Most of the patients come from the East Coast. The center incorporates about 118 stalls.

The Widener Hospital includes modern diagnostic and treatment units, three surgery suites, and treatment rooms for horses and food-producing animals. Five hospital barns accommodate patients, and a separate, specially equipped barn houses animals with infectious diseases.

The new Connelly Intensive Care Unit has been designed for critically ill animals. Patients are transported by monorail between the Kline Center operating room and recovery pool into the stalls in the ICU. The ICU, which includes about 11,200 square feet, houses

'This is an ICU for large animals, the first of its kind in the world.'

special emergency monitoring equipment.

The neonatal section has space for seven foals and three mares in five stalls, two of which can be divided to accommodate two foals each. Stalls for neonates are padded, heated, and include special incubator/respirator hook-ups for



New Bolton Center's new field test laboratory features a real-life chicken house to study the effects of avian disease on layer flocks. Here, Dr. Robert J. Eckroade, head, laboratory of Avian Medicine and Pathology, explains how the hens will be fed and maintained.

oxygen, compressed air, and vacuum. The surgical/medical intensive care unit has six stalls, four connected by monorail to the C. Mahlon Kline Orthopedic and Rehabilitation Center for easy transport.

Continuous observation
A central nurses's station per-

mits continuous observation of patients. Other features include a treatment area of each unit, a laboratory, "call" buttons in each stall, high-pressure water cleaning system, special air handling system, and airlock to prevent the spread of disease.

Elevators transport feedstuff, bedding, and medical supplies to

each unit and nurses' station. A special manure waste system has been installed and "containerized" on the lower level.

The center operates much the same as regular human hospitals. "Most of the technology available for humans is also being used for animals," said Weeks. "This is an ICU for large animals, the first of

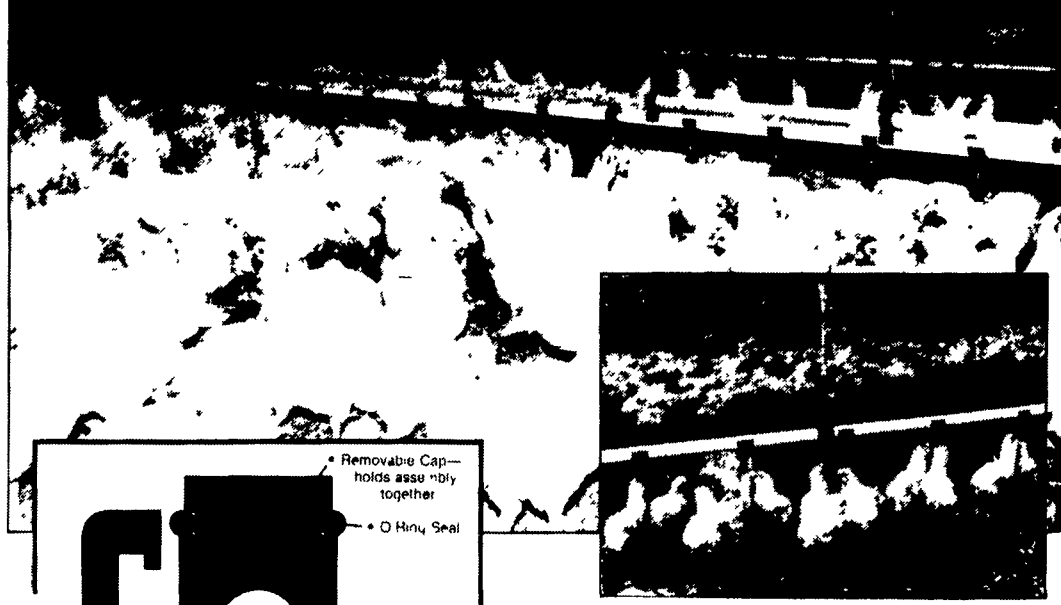


Dr. William Donavick, professor of surgery, recently performed surgery on this Holstein calf. In all, about 6,000 animals are treated each year at the Widener Hospital, many by the special emergency service center and on-call veterinarians from 6:00 p.m. to 6:00 a.m. every day (see related story, this issue).

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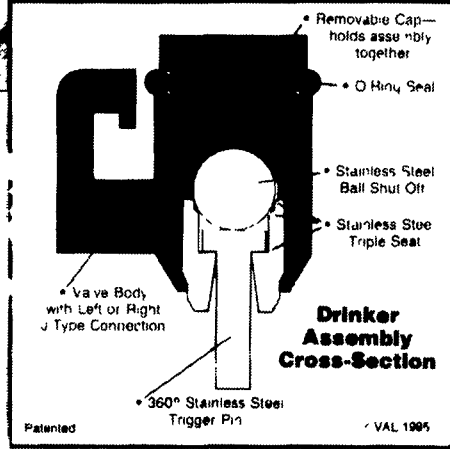


SYSTEM FEATURES

- Water is always accessible, and always clean. The system is completely enclosed. Nipples are self-cleaning, and they do not collect dirt. Since the nipple "washes" every time it is triggered, it does not get clogged by feed or feather dust.
- Drier litter is maintained because of the reliable triple seal and low water pressure. There is less spillage and no squirting with this low pressure (1/4 lb or less) watering system.
- The pressure regulator (30VVR332) can provide and maintain a uniform 1/4 lb pressure for the entire length of a 500 ft 3/4 inch plastic water pipe

NIPPLE DRINKER FEATURES

- Day-old birds can activate the valve from any side, any angle (Mini drinkers required only if birds have been debeaked day-old)
- Triple stainless steel valve seat made to precision specifications. No rubber seats to replace. Drinker operates on low 1/4-lb pressure. Minimizes wet litter problems.
- Each nipple can serve 15 broilers, 10 heavy breeders or 8 turkeys.
- Drinker mounts on water line saddle by means of a "J" flange. Easy assembly and easy replacement.
- New Mini-Trough Drinker available for day old debeaked birds. Attaches to Nipple Floor Watering System, and remains through grow-out period. There is no need to remove the mini-trough between flocks.



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