

Lecturer: Industry, academics must mesh

by Ruth Wedergren

Battalion Reporter
A strong relationship between industry and academia is necessary to keep up with the rapid changes in engineering and science technology, the 1983 College of Engineering Dean's Lecturer said Tuesday.

Erich Bloch, vice president of technical personnel development for International Business Machines Corp., spoke to a group of faculty and students at Zachry Engineering Center and received the 1983 Dean's Lecturer medalion.

Bloch said that along with swift changes in manufacturing technology in semi-conductor industries like IBM, there is an increased demand for people trained in modern engineering

and science technology approaches.

However, he said, Japan has more electrical and electronic engineering graduates per year than the United States. The number of American doctoral engineering candidates has also declined, he said.

"The more science technology based we become, the more academically trained people we'll need," he said.

He said that current undergraduates should come out of college with a fundamental understanding of physics, chemistry and the modern approaches to engineering.

"Modern engineering is no longer drawing on a drafting board," Bloch said.

He said that IBM helps uni-

versities keep up with new technology by giving them new equipment and grants. IBM also offers doctoral and post-doctoral fellowships and supports faculty sabbaticals, which allow those in industry to switch with those in academia and vice versa, he said.

Bloch said that the United States was the world leader in energy resources and low and high technology in the 1950's, but fell in all three by the 1970's. He said the partnership between industry and academia is important if the United States is to gain the lead in high technology in the next decade.

"We must work together to turn that minus into a plus," he said.

Ruling may hike coal price

United Press International
HOUSTON — Coal officials predict that a recent Interstate Commerce Commission ruling will mean big increases in the cost of shipping coal by rail and that the average homeowner's electric bill could skyrocket as a result.

"The consumer cannot tolerate what is going on. This is a consumer issue, something the ICC continues to ignore," Carl E. Bagge, president of the National Coal Association, said at a seminar Monday.

Bagge, in Houston for the NCA-Edison Electric Institute seminar on coal transportation, said his organization will ask a federal court to overturn Thursday's ICC decision letting railroads raise their rates 15 percent a year.

Fred Webber, executive vice president of the Edison Electric Institute, said no specific dollar

estimates are available for anticipated rate increases to electric consumers because the rates vary from region to region.

"But we see a projected \$2 billion to \$4 billion annually added nationally to utility companies because of this ruling," Webber said.

About 50 percent of home utility bills already are the result of coal transportation costs, officials said.

Bagge, visibly enraged about the ICC ruling, said there was no point in asking the commission to reconsider. He mocked the ICC as "a wholly owned subsidiary of the American Association of Railroads."

The ruling will allow railroad companies to raise their rates up to 15 percent annually over their adjusted revenue needs on captive cargo hauling, including coal. Captive cargo has no competitive transportation alternative.

Sixty-five percent of all the coal delivered across the country is carried by railroad; the remaining cargo is shipped either by inland waterways or through a slurry pipeline.

Bagge also said the 15 percent ceiling is a mirage because of the commission's irrational standard for determining railroad revenue adequacy.

"The commission has established a mechanism by which the prices could double within the next five years," Bagge said. "We will be going to the transportation industry and to the country. If this happened in the gas (pipeline) industry, we would have had a revolution. This kind of decision aggravates an already serious situation."

Coal association vice president Joseph Lema said coal accounts for about 40 percent of all railroad tonnage. Agricultural products are the second heaviest hauled item, at less than

10 percent. The coal industry last year produced 820 million tons of domestic coal, and 82 percent of that amount was consumed by utility companies to make electricity.

Lema said since the coal industry has no other choice but to ship by rail in most cases that there should be tougher regulation. He said that railroads are almost permitted to charge virtually any price they want.

Bagge said because there are no plans in the country to build gas burning facilities to generate electricity, the impact of the decision will be felt for decades in the coal industry.

By 1990, it is estimated that 60 percent of all electricity will be generated by coal. Presently, about 52 percent of power is coal produced.

Agenda

Traditions talk tonight

Athletic Director Jackie Sherrill and Vice President for Student Services John J. Koldus will speak on traditions at 7 tonight in 102 Academic and Agency Building.

Sherrill, who also is head football coach, will speak on present traditions and on what traditions he would like to see at Texas A&M in the future.

Koldus will speak on past, present and future traditions at Texas A&M.

The speeches are part of a

program sponsored by Schuhmacher Hall and are part of this year's tradition awareness project.

The Residence Hall Association is sponsoring the two-week tradition awareness project, which began February 21 and will end this Friday.

Bill Benham, president of Schuhmacher Hall, said the project is designed to promote awareness of Aggie traditions.

The program is free and anyone may attend.

Northgate renovation

The College Station City Council will discuss long-range plans for the city at workshop meetings Wednesday at 4 and 8 p.m.

Plan 2000, the council's plan for the growth of College Station until the year 2000, will be discussed at the 4 p.m. meeting in the council chambers.

City officials will discuss plans

for renovating the Northgate area of College Station at the 8 p.m. meeting. This workshop session will be held at the A&M Presbyterian Church, 301 Church Ave. N.

Al Mayo, director of planning for College Station, will be speaking at both meetings.

OCA to elect officers

The Off-Campus Aggies will meet at 6:30 tonight in 701 Rudder Tower to discuss spring elections which will be March 29 and March 30.

Other items on the agenda include a report on last weekend's M*A*S*H B*A*S*H party and consideration of ten-

tative plans for a kite-flying contest, which will be the last project of the semester.

All Texas A&M students who live off-campus are eligible for membership in OCA and are invited to attend tonight's meeting.

Woolworth

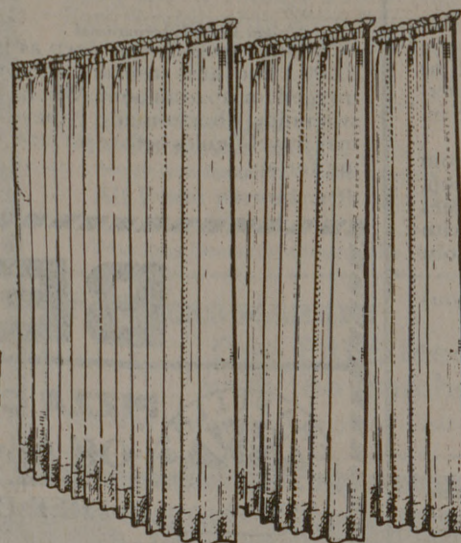
Values Our Tradition Since 1879

dollar days

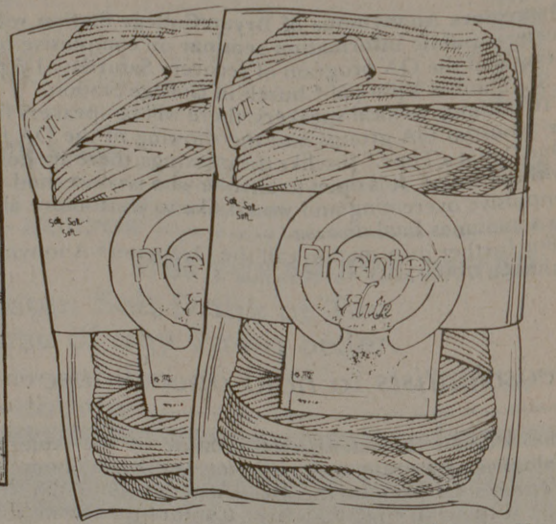
Pkg. of 3 \$5 T-Shirts

Pkg. of 3 \$4 Briefs

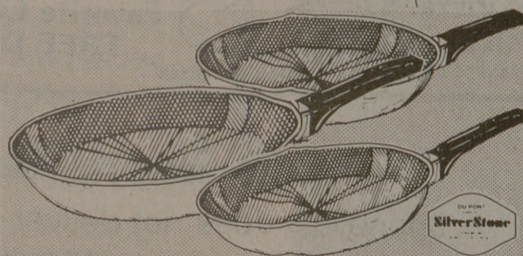
Men's Fruit-of-the-Loom® Underwear. 100% cotton easy-wear, easy-care. S-XL. Crew or V-neck.



2 \$5 FOR "Midge" Curtain Panels. Open weave polyester in 40" width by 63 or 81" lengths.



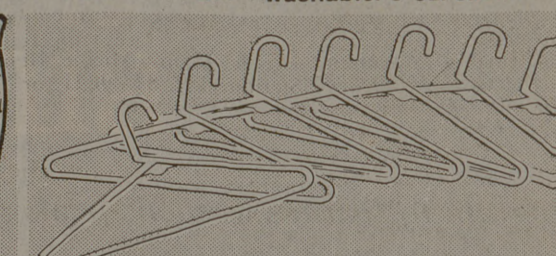
2 \$3 FOR Phentex® Elite Knitting Yarn. 4-ply 100% Olefin fiber. Machine-washable! 8-oz. skeins.



\$3 \$4 \$5 Frypans. Aluminum with Silver-Stone interiors.



2 for \$5 FIRESTONE 50¢ REBATE Our Low Price Less Mfr.'s Rebate 2 for \$5 Your Final Cost 2 for \$4.50



12 for \$1 Plastic Tubular Hangers. Drip dry, non-rusting.

NEWPORT

A NEW CLASS IN STUDENT LIVING!

- compact, efficient space
- 3 minutes from campus
- security/covered parking
- washer/dryer in every unit
- CHANCE FOR FREE TRIP TO EUROPE* (* subject to total occupancy)

846-8960



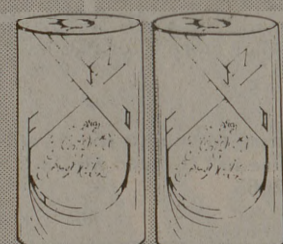
3 for \$1 Our Brand Solid Air Fresheners. 6-oz.



2 for \$3 16-oz. Flex® Balsam Conditioner, Shampoo.

Bostern Fern

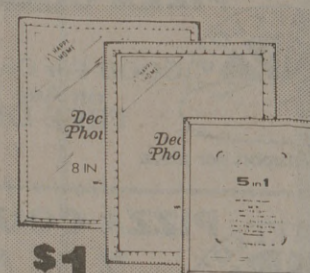
10" Hanging Basket \$6.00 \$12.97 Value



2 for \$1 Paper Towels. 125 one-ply sheets.



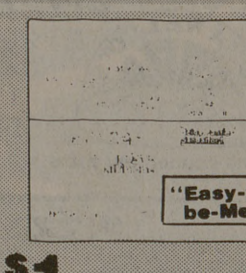
\$1 Toilet Tissue. 6-pk. 330 2-ply sheets.



\$1 Metal Frame Assortment. 4x5" & 8x10".



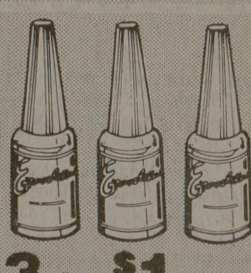
2 for \$1 Hair Goods Special. Huge selection! Hurry in!



\$1 6-pk. Pantyhose. P/M & M/T sizes.



\$5 6-pk. Men's Tube Socks. Boys' 6-pk. Tube Socks \$4



3 for \$1 Assorted "Enamel-ettes" Nail Polish.

PRICES EFFECTIVE THRU 3-12-83

Woolworth RAIN CHECK POLICY

Rain Checks are available (at sale price) on any advertised merchandise out of stock before the end of the sale period unless otherwise stated.

POST OAK MALL 10:00-9:00 DOWNTOWN BRYAN 9:00-6:00

BUY WITH CONFIDENCE SATISFACTION GUARANTEED REPLACEMENT OR MONEY GLADLY REFUNDED

Thousands put their fingers on it... Advertising in The Battalion 845-2611