

Features

Plants improve technology, increase jobs

College-sponsored industries are valuable

United Press International
NEW YORK — The university-sponsored industrial park looks like a wave of the future in America.

Rensselaer Polytechnic Institute of Troy, N.Y., the oldest degree-granting engineering school in the English-speaking world,

has just announced such a venture.

President George M. Low said RPI will contribute 1,200 acres in North Greenbush near the RPI campus and \$3 million cash to build roads, sewers and other necessary improvements to get the park started.

RPI's primary interest is to provide large-scale practical experience opportunities under advanced industrial working conditions for its faculty, its 4,300 undergraduates and 1,300 graduate students. Ultimately the park may provide income for the college, but Low told United Press

International that would be far in the future.

It could, however, bring an ultimate

... "a marriage of higher education and industry" probably is the first essential to a good long-range industrial park program.

mate payroll of \$100 million a year to the Troy-Albany area, jobs for 9,000 persons, annual production

of \$200 million of goods and services and more than \$5 million a year in state and local tax revenues.

The college-sponsored industrial park is not original with RPI. Low said much of the inspiration came from Stanford's success with its Silicon Valley developments, Princeton's Forrestal Center, the University of Utah's magnificent industrial park, the Route 128 developments around Boston associated with MIT, University Research Park near Charlotte, N.C. and Research Triangle near Raleigh, N.C.

"The fundamental object from RPI's standpoint is to enhance teaching and research opportunities and let faculty and students become more familiar with the real world of manufacturing and high technology industry," he said.

This would appear to be a more modern approach to what the University of Cincinnati and Antioch College set off nearly 60 years ago when they went into co-op education with students alternating time between the campus and jobs in factories or offices.

Low predicted college-sponsored industrial parks will in-

crease. He said he understood the University of Rochester and the state university at Stony Brook, Long Island, are planning parks and there are others in the works around the country.

He said while the parks involve some financial risk to a college or university, they are thoroughly justified by the need of colleges, industry and the nation for more rapid and diversified technological progress.

In a study of industrial parks last

Though industrial parks involve some financial risk to a college or university, they are thoroughly justified by the need of colleges, industry and the nation for more rapid and diversified technological progress.

LaValle concluded that a "marriage of higher education and industry" probably is the first essential to a good long-range industrial park program.

The part-time jobs for students and increased employment opportunities for graduates are valuable to the colleges along with the expanded research and teaching opportunities.

The permanence of the facilities and goals of a university or engineering college as contrasted with what may be shifting goals of individual industrial companies is an important reason for that.

But the committee said the scientific equipment, library facilities, pools of graduate students and a labor pool of undergraduates wanting part-time jobs also are important.

year for Gov. Hugh Carey and the New York legislature a committee headed by State Sen. Kenneth P.

Barrier project planned to avert London flooding

United Press International
LONDON — London lives under the constant threat of a

flood that could rank among the worst civil catastrophes of the century.

"It is not a question of if there will be a flood, but of when," said Bill Cook, the engineer in charge of a flood emergency room operated by London's metropolitan council.

A tidal surge could put up to 45 square miles of the most densely populated parts of the city under as much as 18 feet of water. Thousands of lives would be endangered. The material cost would be astronomical.

To avert the threat, the council is racing to complete an awe-inspiring barrier across the River Thames downstream beyond Greenwich. It is the biggest civil engineering project in Europe.

The barrier, which with the raising of river banks costs \$1.4 billion at 1980 prices, is scheduled to go into operation at the end of next year.

Low-lying London has been prone to flooding for centuries.

Samuel Pepys wrote in his diary in 1663: "There was last night the greatest tide that ever was remembered in England to have been in this River, all Whitehall having been drowned."

There have been on average four floods a century. In statistical terms, London is living on borrowed time.

High water in the Thames rises by an average 30 inches a century, for a variety of reasons.

The whole of Britain is tilting on the earth's crust, so the southeastern part of the country where London is situated is lower than it used to be. London itself is sinking on its bed of clay.

The North Sea is higher because the polar ice cap has melted. Tides are running faster.

The average water level of the Thames is 9 inches higher since flooding took 300 lives along the East Coast and the Thames estuary in 1953.

The river banks have been raised and strengthened enough to contain ordinary high tides.

Sometimes, however, a trough of low air pressure can create a tidal surge in the North Sea. Usually such surges peter out in Scandinavia, but they can be pushed down towards the Thames estuary by northerly winds. A large surge on top of a high tide would be likely to burst the river defenses.

The economic consequences of a serious flood are almost impossible to calculate.

It could destroy the city's ability to compete as a sophisticated financial center. Transportation would be knocked out, perhaps for months. More than 250,000 homes, stores, factories and offices would be endangered by mud and sewage.

Aging sewers would create under the strain. The city could remain inundated for many days. Electricity, gas and telephone would be affected over an area much greater than the capital itself.

"There is little doubt that the severe flooding of London could be the greatest natural disaster this country is likely to experience and a catastrophe for the capital of the scale of the (1666) Great Fire of London," the London council warns. "Indeed, many feel that London would never fully recover from the blow."

In an attempt to minimize the loss of life, an ad campaign advises residents and workers what to do if a flood is expected. War-time sirens would wait an alert as much as 24 hours in advance.

Engineer Cook has Telex messages all ready to set in motion a whole train of emergency actions. The barrier, spanning a 57-yard stretch of the Thames, should end the flood threat for good.

It consists of 10 steel gates that when raised to keep sea water from coming into the river, will stand the height of a five-story building above the river bed.

Four rising gates in the center of the river each span 200 feet and weigh 3,200 tons. When not in use, they recess into concrete bases set into the river bed. They are flanked by two 900-ton rising gates and four gates that would be lowered into place.

The hydraulic machinery to move the gates is set on ship-shaped piers and covered by steel less steel canopies that resemble billowing sails. They will provide the capital with a spectacular entrance that the London council hopes will become a tourist attraction.

"Nothing quite like this has ever been attempted before," said Peter Bosworth, a city engineer. "We are scratching the frontier of technology."

**MANOR EAST 3
MANOR EAST MALL
823-8300**



It's Back! STAR WARS

7:30
9:50
THE FORCE WILL BE WITH YOU FOR TWO WEEKS ONLY

PG
DOLBY STEREO

Forged by a god. Foretold by a wizard. Found by a King.

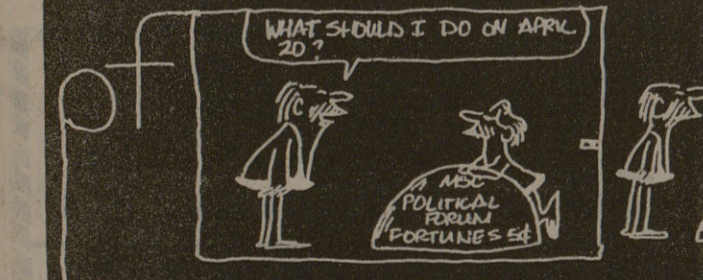


EXCALIBUR

John Boorman's "EXCALIBUR" Nigel Terry • Helen Mirren • Nicholas Clay • Cherie Lunghi • Paul Geoffrey • Nicol Williamson
Executive Producers Edgar F. Gross and Robert A. Eisenstein
Directed and Produced by John Boorman
Screenplay by Rospo Pallenberg and John Boorman
Adapted from Malory's Le Morte Darthur by Rospo Pallenberg
7:10
9:45
ORION PICTURES Release
A WARNER BROS. A Warner Communications Company

SISSY SPACEK in
"COAL MINORS DAUGHTERS"

Friday and Saturday
Midnight:
"Flash Gordon"
and
Chevy Chase in
"Caddyshack"



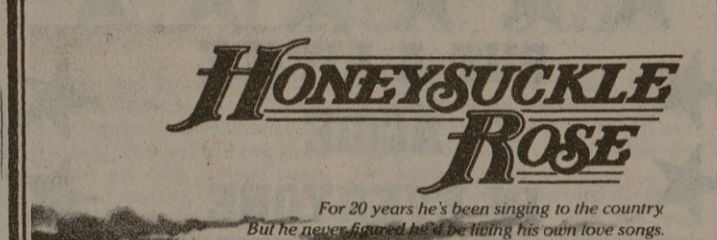
MSC POLITICAL FORUM invites you to attend a 'Town Meeting' with

Congressman PHIL GRAMM

Representative from the 6th district

APRIL 20, 1981 12:15 p.m. 701 RUDDER
Free

MSC AGGIE CINEMA



HONEYSUCKLE ROSE



WILLIE NELSON
DYAN CANNON AMY IRVING

FRI. & SAT. 8:00 P.M.
APRIL 17 & APRIL 18 RUDDER THEATRE

PREVIEWED AT TEXAS A&M
"TERROR TRAIN"

FRI. & SAT. MIDNIGHT
APRIL 17 & APRIL 18 RUDDER THEATRE

More Entertaining Than Humanly Possible!



SUN. 7:30 P.M.
APRIL 19 RUDDER THEATRE



PLINY FILMS TUESDAYS - ALL SEATS \$1.00
"GOING APE" (PG)
TONY DANZA
DANNY DEVITO 7:35, 9:30
CINEMA 1311 846-6714
CORNER OF UNIVERSITY & COLLEGE AVES. OPEN 7:00
"THIEF" (R)
JAMES CAAN
TUESDAY WELD 7:20, 9:45

Campus Theatre
Now Showing
7:35 9:50
Ordinary People

Fri.-Sat. Midnight 3rd Anniversary Celebration
All Costumed Patrons Admitted Free

THE ROCKY HORROR PICTURE SHOW
COSTUME CONTEST:
With two 6 month passes awarded each visit to winners!!

OPTION PASSES FOR THE 1981-82 MSC TOWN HALL SEASON OF EVENTS ARE NOW ON SALE!

MSC Town Hall announces that once again Option Passes will be on sale in the MSC Box Office. The price per each Option Pass will be \$10.00. For more information, please call the MSC Box Office at 845-2916.