

Flood control and forecast

# Scientists now better equipped with Surface Water Modelling

With the application of a new technology called 'Surface Water Modelling' scientists can now predict whether any engineering approach will produce the desired results in flood control, drainage improvement and flood forecasting, reports BSS.

Surface Water Modelling (SWM) is a computer based mathematical model which can analyse the present condition of the river system and synthesise its performances with an proposed scheme.

Inaugurating a three-day seminar on SWM in Bangladesh Tuesday Irrigation, Water Development and Flood Control Minister M Majid-ul-Huq said application of SWM was needed for proper planning in effective control and optimum utilisation of water resources, the vital life line of Bangladesh.

He said the people in the region across the borders should broaden their minds

and share this vital natural resource for the benefit of all of us.

He said for Bangladesh optimum utilisation of water resources was very vital as it was scarce when needed most and abundant when needed least.

He hoped that the mathematical modelling would work as supplement to the physical modelling already done which was difficult and costly for macro level application.

Organised by Surface Water Modelling Centre in Bangladesh with the sponsorship of Danish International Development Agency (DANIDA) the inaugural session of the seminar was chaired by Secretary of the Irrigation, Water Development and Flood Control Ministry M Asaf-ud-Dowla.

The inaugural session was also addressed by Danish Counsellor Paul E Christenson, Project Manager of SWM Programme-II Ole Juul Jensen,

Director General of Water Resources Planning Organisation (WARPO) M Taslim Uddin and Project Coordinator Khalek.

Asaf-ud-Dowla said Bangladesh with its scarce resources could not afford to duplicate institutions and suggested that the SWM Centre should be located in the premises of the River Research Institute in Faridpur. He said the expatriate experts should make some sacrifice by living and working in the situation there.

Phase-I of the SWM programme was completed during 1986-88 with the assistance of UNDP and the four-year phase-II programme began in 1989 with Danish Assistance. In addition to the preparation of one general model and five regional models for the country, major component of the project was transfer of technology.

Christenson said Danish government was prepared to

assist Bangladesh in implementing the third-phase of the programme after the successful concluding of the second phase.

Director General of WARPO Taslim Uddin said, the SWM Centre collects data on rainfall, evaporation, groundwater, water level, discharge, land level and river cross section and put them as input into the computer and gets the output as replica of river systems with their flows exactly as in the nature. The validity of the model depends on the accuracy of input data, he added.

He said SWM Centre was developing the regional models that stimulate the performance of the system.

The seminar will overview the general and regional models, and specialists topics like data collection and processing, hydrology, water quality, morphology, computer system and specific applications.

## Japan grants Tk 27 crore for meteorological equipment

Japan and Bangladesh signed an exchange of notes concerning Japanese grant assistance to Bangladesh amounting to 335 million yen (Taka 27 crore) for execution of the project for "establishment of microwave link for meteorology" in Dhaka on Tuesday.

His Excellency Toshio Saiki, Ambassador of Japan in Bangladesh and Ayub Quadri, Additional Secretary, Economic Relations Division of the Ministry of Finance, Government of the People's Republic of Bangladesh signed the notes on behalf of their respective governments.

Under the notes, Japan will provide Bangladesh will 835 million yen (approximately Taka 27 crore) which will be utilised by the Bangladesh Meteorological Department for procurement of telecommunication equipment, transmission equipment and other related equipment including construction of the station building at the Cox's Bazar Radar Station.



Terracotta items made by potters have recently caught the attraction of urban people. They now buy earthen flower vases and other items as decoration pieces for their homes. — Star photo

## JS body on public accounts meets

A meeting of the Parliamentary Standing Committee on Public Accounts Affairs was held at the Committee Room Number Two of the Jatiya Sangsad Bhaban in Dhaka Tuesday with the President of the committee L K Siddiqui in the chair, reports BSS.

According to a Sangsad Secretariat press release, the meeting reviewed the progress of implementation of the recommendations of the second report of the committee introduced at the Sangsad.

It also reviewed the commercial accounts of the Narayangy Silow Office under the Ministry of Food and took some decisions.

Members of the committee Mohammad Shahjahan Omar, Anwarul Hossain Khan Chowdhury, Mohammad Abdul Gai, Meshbauddin Khan, Mohammad, Asaduzzaman, Dr TIM Fazle Rabbi Chowdhury and Maulana Mohammad Sakawat Hossain attended the meeting.

## Officials asked to work properly for uplift plans

NATORE, Nov 17: State Minister for Communications Fazlur Rahman Tuesday called upon the government officials to discharge their duties properly and with accountability in implementing development programmes aimed at the welfare of the people, reports BSS.

He was presiding over a meeting of district level officials here at local Circuit House.

Three-hour discussions were held in the meeting about various on-going development programmes of the district and the problems in their implementation.

The State Minister said, the BNP government laid utmost emphasis on education, health-care, bank credit, curbing of smuggling and other pro-people programmes.

Stressing the need for planting trees and their proper nourishment he asked the concerned officials to be vigilant so that trees were not used in brick fields. He urged the brick field owners to use coal instead of fuelwoods for roasting bricks.

Fazlur Rahman also attended a reception accorded to 250 students who got star marks in last SSC and HSC examinations from the district at Uttara Garabhaban Monday.

Terming education as the backbone of the nation he urged the students to contribute their mites for the nation acquiring higher education.

Vice-Chancellor of Rajshahi University Professor M Anisur Rahman also spoke on the occasion.

## Nine units of BTMC earn Tk 50.71 lakh as net profit

By Staff Correspondent

Nine units of Bangladesh Textile Mills Corporation (BTMC) made a net profit of Taka 50.71 lakh during October this year.

These units are Amin Textiles, Darwani Textile Mills, Dinajpur Textile, Kohinoor Spinning Mills, Orient Textile Mills, RR Textile, Rangamati Textile, Sundarbans Textile and Valika Woollen Mills.

Of these, the Amin Textiles made the highest profit of Taka 14.97 lakh.

During the month, these nine mills produced 10.28 lakh kgs of yarn.

The profits in these units were possible through checking of wastage and improvement of management, BTMC sources said.

# Spies still have plenty to do — in the business and economic arena

WASHINGTON Nov 17: Now that the Cold War is over, what is there to do for the spies?

Plenty, if they turn their attention to business, reports AP.

Ex-secret agents will be needed to spy on rival companies and disloyal or drug-using employees, according to a three-day symposium and trade show that opened Monday in Washington.

And spies that stay in government service will be spending more time countering economic espionage, often by "friendly governments," said Wayne Gilbert, assistant director of the FBI's intelligence division.

Combating economic espionage by foreign competitors and foreign governments is the focus of the International Security Systems and Exhibition at the Sheraton Washington Hotel.

"It's growing," Gilbert told a morning session of the symposium on "Economic Espionage: The New War."

"We need to be ware that

this goes on and it's going to get more intensive and competitive," he added.

Peter Schweizer, author of an upcoming book on economic espionage, says the White House Office on Science and Technology estimates such spying costs the US economy 100 billion dollar a year.

Schweizer's book "Friendly Spies" details economic espionage by Germany, Japan, France, Israel and South Korea. He says access to information and technological secrets is the critical point "in the economic rivalry and the global marketplace today and who ever controls information and is able to use that information to their economic advantage is going to win that competition."

Corporate security chiefs and embassy personnel rubbed elbows with uniformed US military officers around the exhibit booths of surveillance equipment right out of a techno-thriller.

"It's going to be full of spooks and spies," predicted

Winn Schwartau, author, electronics expert and self-styled "information warrior."

Schwartau, who has written a book about the threat of computer terrorism, said American business and American society have become increasingly dependent on computers and communications systems — without sufficiently protecting them from vandals, thieves and terrorists.

"In a worst-case scenario, a well motivated, properly financed adversary could inflict profound damage on the US economy" for a small expenditure, said Schwartau. His book "Information Warfare" describes such developments as a HERF (high energy radio frequency) gun that can make a computer system crash.

"This book is meant as a wake up call," said Schwartau, one of dozens of security and espionage experts, including former CIA Director William Colby, slated to address the gathering.

"The end of the Cold War

does not mean the end of East-West espionage, just a change in objectives and loyalties, said the FBI's Bilbert.

"There's a lot of former KGB officers roaming around in joint business ventures," he said, adding "we don't know where their allegiance is now."

Gilbert said 20 nations engaged in economic spying, although he would not identify them.

"They're not out to do us in militarily. They're just looking for an (economic) advantage," he said.

In the exhibition hall, scores of booths sought to entice buyers for devices to encode sensitive data, shred secret documents, detect explosives or illegal narcotics, cavedrop on sensitive conversations or thwart outsiders from cavedropping on you.

Cybermotion Inc., a Roanoke, Va. company, was demonstrating a robot equipped with a video camera, Spimaster, that acts as an electronic night watchman.

## Shipping Intelligence

### CHITTAGONG PORT

Birth position and performance of vessels as on 17.11.92

Berth No	Name of vessels	Cargo	L-Port call	Local agent	Date of arrival	Leaving
J/1	Mezhdure	GI	Sing	Prog	7/11	19/11
J/2	Chensk	GI	Sing	Prog	7/11	19/11
J/4	Arti	Wheat (P)	Poland	MSA	2/11	17/11
J/5	Samudra Raj	GI	Damam	SSS	13/11	22/11
J/6	Pionar	Salt (P)	N Kha	MSA	30/10	17/11
J/7	NGS Express	Cont	Sing	BDSHIP	15/11	18/11
J/8	Banglar Doot	GI/Sugar	Peng	BSC	9/11	22/11
J/9	Al Selma	GI/Perit	Mong	ASLL	11/11	19/11
J/12	Thalia	Wheat (P)	Derm	Alamin	3/11	20/11
J/13	Nikoula	Wheat (P)	Mong	LAMS	8/11	17/11
MPB/1	Fong Yun	Cont	Sing	BDSHIP	13/11	17/11
MPB/2	Optima	Cont	Mong	RSL	15/11	17/11
CGJ	Ronald	C Clink	Col	UMAL	8/10	18/11
CGS	Nikos-N	Wheat (G)	Sing	BSC	9/11	18/11
TSP	AL Reza	Repair	Pada	HSL	19/10	18/11
RM/6	Port Au Prince	HSD	Sing	EOSL	11/11	20/11
DDJ	Devo	Wheat (G)	Col	LAMS	10/11	20/11
DDJ/1	Endurance Sea	Repair	Aqaba	EOSL	25/1	30/11
RM/8	S E Halder	Cement	Kara	ASLL	R/A	20/11
RM/9	Banglar	Repair	BSC	R/A	19/11	
CLFJ	Banglar Asha	Repair	BSC	R/A	18/11	

### VESSELS DUE AT OUTER ANCHORAGE

Name of vessels	Date of arrival	Last Port call	Local agent	Cargo	Loading port
M T Royal City	17/11	Sing	Anchor	-	-
Alan	17/11	Suez	Aqia	MOP	-
Banglar Robi	18/11	Mong	BSC	-	-
Safar	18/11	Cal	ASLL	-	-
Ahler Breeze 5/11	19/11	-	RSL	Cont	Col
Banglar Kakoti	19/11	Cal	BSC	GI	-
Skithos	19/11	Sing	BSC	Wheat (G)	-
Fong Shing 8/11	19/11	Sing	BDSHIP	Cont	Sing
Kota Buana 11/11	19/11	Sing	CTS	Cont	Sing
Vishva Mamata	20/11	Mad	SSL	GI/GL	Japa
Hafez (E/L) 11/11	20/11	Mong	SSL	-	Abbas
Lena (48) 11/11	20/11	-	Prog	Materials	-
Supreme	20/11	Poland	Royal	Wheat (P)	-
Lapu Lapu	20/11	Bank	BOAL	GI/Sugar	-
Horn	21/11	Hong	Prog	GI	-
You Yuc	21/11	Kala	Royal	Wheat (P)	-
Shenton 12/11	21/11	Sing	OMNI	Cont	Sing
Jiang Cheng	21/11	S Hat	BDSHIP	GI	-
Vishva Parag (E/L) 11/11	22/11	-	SSL	E/L	Dundecant
Al Swamuz	22/11	-	ASLL	GI	-
Weser Star 31/10	22/11	Sing	BDSHIP	Cont	Cal
Orange Berant	23/11	-	IBA	GI	-
Samudra Rani	24/11	Mong	SSL	-	Karachi
Knud	-	-	-	-	-
Jespersen 14/11	24/11	-	CT	Cont	Sing
NGS Ranger 15/11	24/11	Sing	BDSHIP	Cont	Sing
Scandinavian Express	24/11	-	SSL	GI	-

### TANKER DUE

Grigory Ordzhonikidze	21/11	MSPL	Lab Oil
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### VESSELS AT KUTUBDIA

Name of vessels	Cargo	Last Port call	Local agent	Date of arrival
T T Energy	C Oil	Col	NNL	27/4
Chestnut Hill	Wheat (G)	N Oric	LAMS	7/11
Banglar Kiron	Wheat (G)	-	BSC	R/A

### VESSELS AT OUTER ANCHORAGE

Ready on

Name of vessels	Cargo	Last Port call	Local agent	Date of arrival
Thai Bini	C Clink	Aqaba	Umal	14/11
Ingenuity	Cont	Sing	RSL	17/11
Shaplacverett	GI	Sing	EBPL	17/11

### VESSELS NOT READY

Name of vessels	Cargo	Last Port call	Local agent	Date of arrival
Damon	Wheat (P)	Mcra	Royal	8/11
Soarer Bellona	Wheat (P)	Sing	OWSL	16/11
Petr Starostin	Cont	Klea	CT	17/11

### VESSELS AWAITING INSTRUCTION

Name of vessels	Cargo	Last Port call	Local agent	Date of arrival
Banglar Jyoti	-	-	BSC	R/A (10/11)
Artemis-1	Cement	Bright	Bright	R/A (2/11)

### VESSELS NOT ENTERING

Name of vessels	Cargo	Last Port call	Local agent	Date of arrival
Malloweverett	Scrapping	Cal	Umal	R/A (27/10)
Sac Byol	Cement	Sing	H & H	11/11
Constellation	MOP	luche	Royal	14/11
Ocean Voyager	Cement	Pada	AML	14/11
Stonewall Jackson	GI (Lash)	Hald	Karna	17/11

The above were the Tuesday's shipping position and performance of vessels of Chittagong Port as per berthing sheet of CPA supplied by HRC Group, Dhaka.

## Price Index

### Essentials

RICE (Taka per kg)	11.00-12.00	11n	11.00-12.00
Aman(fine)	15.00-16.00	Duck	10.50-11.00
Pajam	11.50-12.00	Firm	10.00-11.00
VEGETABLES (Taka per kg)	30.00-31.00	PULSES (Taka per kg)	34.00-36.00
Potato (local)	11.00-12.00	Mashur	30.00-31.00
Brinjal	10.00-12.00	Mooch	34.00-36.00
Karolla	11.00-13.00	Chhola	23.00-24.00
Lalshak	5.00-6.00	Chhori	16.00-18.00
Papa	5.00-6.00	FRUITS	(One piece)
Green Banana (Four Pieces)	4.00-6.00	Green Coconut (Small)	4.00-5.00
OTHER FOODGRAN (Taka per kg)	13.00-14.00	Coconut (Large)	8.00-10.00
Flour	11.00-11.50	Banana : (One piece)	4.00-5.00
ARIS (Taka per kg)	16.00-18.00	Sagar (Large)	10.00-12.00
Katun(hg)	110.00-130.00	Chappa	3.00-4.00
Hilbe	65.00-70.00	Dans	55.00-60.00
Pungo	120.00-130.00	MILK (Two kg)	332.00-333.00
Shrimp(hg)	120.00-150.00	Dans	321.00-322.00
Singi	100.00-110.00	Red Cow	10.40-12.00
Koi	110.00-130.00	MISCELLANEOUS (Taka per kg)	220.00-240.00
MEAT	NA	Cher	7.00-8.00
Beef	NA	Salt	32.00-33.00
Mutton	NA	Sugar	32.00-33.00
CHICKEN	66.00-68.00	Gold & Silver	(Taka for 10.00 grams)
Large	70.00-72.00	Gold (Guinea)	5395.00
Moderate	60.00-62.00	Silver	200.00
Small	74.00-76.00	Source	Department of Agriculture marketing
TEA	80.00-90.00		
Dust (Plain)	80.00-90.00		
EGG	(4 per)		

## Exchange Rates

The following are the Commercial Bank's BC selling and TT (C), OD transfer buying rates for some selected foreign currencies effective on November 14. (Figures in Taka)

Currency	Selling B. C.	T. T. (C)	Buying OD Transfers
US Dollar	39.1326	38.9087	38.6339
Pound sterling	59.6495	59.3438	59.9484
DM	24.7205	24.5682	24.3947
FF	7.2751	7.2284	7.1783
S Riyal	10.4641	10.4042	10.3307
D Guilders	21.8252	21.6882	21.5351
S Kroner	6.5609	6.5162	6.4708
Singapore Dollar	23.9255	23.7886	23.6206
UAE Dirham	10.6911	10.6299	10.5548
Kuwait Dinar	131.8495	131.0951	130.1692
Indian Rupee (AMU)	1.5104	1.5036	1.4961
Pak Rupee (AMU)	1.5357	1.5287	1.5210

## Dhaka Stock Prices

At the close of trading on November 17, 1992

### Surge in value

Trading performance at the Dhaka Stock Exchange (DSE) on Tuesday looked better despite a loss in number of issues (volume).

Value showed a wide difference against Monday's finish. It gained by 114.64 per cent from Monday's Taka 4053703.50 to Taka 1888593.00. However, volume suffered a loss of 40.41 per cent from Monday's 28,384 issues to 16,914 issues.

The share market on the floor seemed less busier than on Monday as the number of shares fell from 44 to 26. Losers still topped the list. Nineteen shares lost against five gainers. Only two shares remained at unchanged prices.

The Price Index following a long gap improved. It added 1.63 points to Monday's 367.6275 and ended in 369.2576.

### DAYS TRADING AT A GLANCE

DSE Share Price Index	369.2576
Market Capitalisation (Tk)	10,498,803,537.00
Turnover in Volume	16914
Turnover in Value (Tk)	4053703.00

Company	FV/ML	Previous price Tk	Closing price (absolute) Tk	Change Tk	Change % price
<b>Gains (05) Shares:</b>					
Quasem Drycells	10/50	10.10	10.48	0.38	3.763
Green Delta	100/10	150.00	152.00	2.00	1.334
Atlas Bangladesh	10/50	53.31	54.00	0.69	1.295
Eagle Star	10/50	16.85	16.98	0.13	0.772
BGC	100/10	147.00	148.00	1.00	0.681

Company	FV/ML	Previous price Tk	Closing price (absolute) Tk	Change Tk	Change % price
<b>Losses (19) Shares:</b>					
Monospool Paper	100/5	78.00	70.00	8.00	10.257
Modern Dying	100/5	44.91</			