GRICULTURE'S historical sweep in Asia is well

GO AHEAD ...

THERE'S NOTHING TO BE AFRAID OF

Dhaka Day by Day

Computer on the

Desk

by Samia Islam

These days many offices all try out commands on their own

who are just at the office to the spell check or thesaurus or

play, regardless, shirking their justify their write-ups for

rious official work on the PC altogether. My advice to such

like writing reports and mak- people is that: stick to a type

Even if one is just doing se- and losing the document

official responsibilities.

DHAKA TUESDAY, FEBRUARY 18, 1997 FOR CUS STATEMENT OF THE STATEMENT OF TH

Asian Agriculture and the New Millennium

by AZM Obaidullah Khan

Seven out of every ten of over one billion people in the world today who are struggling to known. Natural scientists report that almost half of the survive on one dollar a day, subsist in Asia. The greatest absolute number of unplants in Asia originated in dernourished people — about 68 per cent of the total in 1990 — huddle China and India. Rice or Oryza Sativa was sown to the north in Asia and they cluster in the densely packed rural hinterland. and west of Deccan plateau in India during the first millennium before Christ and by the seventh century BC rice fields had spread eastward to the Ganges Delta. Thousands of years ago farmers in India chanted an ancient Vedic hymn: "Harness the ploughs, fit on the yokes, now that the than a third of the world's arable land. womb of the earth is ready to sow the seeds therein." Historians further record that by the fifth millennium before Christ, Chinese farmers were harvesting millet; and that peas and water chestnuts were being

subdivisions and processing zones.

"Exploding cities" turn vital croplands into

destabilizes food supplies. There's no excuse

for governments to neglect adopting forward-

Agriculture's critical importance to men and women of this diverse region is obvious. This region harvests nearly 90 per cent of the world's rice, 30 per cent of its wheat, 20 per cent of the coarse grains and about 50

looking land use policies.

grown in the Spirit Caves of

Northern Thailand as early as

7000 BC. Human kind's cycle of

life and death in Asia blended

with land and water and their

offerings as people reached out for values beyond food and

physical survival.

per cent of its fish. They plant and harvest food and agricultural products to meet spiraling needs of over three billion people (and the absolute number is increasing every year in spite of fertility decline), within less

The share of agriculture in the GDP has no doubt, declined over the last three decades from 40 per cent in 1965 to 23 per cent in 1991. The 27 developing countries of the Asia-Pacific region continue to account for 73 per cent of the world's agricultural population. Although the ratio of agricultural population to total population has declined from 72.8 per cent in 1961 to 58.5 per cent in 1994, the agricultural population itself has increased in absolute numbers.

The Setting

Jesuit scientist Pierre Teilherd de Chardin once said, "The past has revealed to me the

structures of the future." Taking stock of the past, perhaps, offers a useful starting point for crystal-gazing into the elusive shape of what is distant and in the future.

Between the seventies and

the eighties, countries in Asia definitely shed the spectre of widespread hunger and famine in not too distant past. Regional cereal production grew at a rate of almost 3 per cent a year, thus pulling ahead of the region's population growth and outstripping the more than 1 per cent growth in cereal production achieved by the rest of the world. Four out of six major countries worked their way into self-sufficiency. In some countries full granaries mean enhanced food-security. Asian developing country stocks rose from an average of 60 million tonnes for 1974-76 period to 93 million tonnes for 1988-90. Stocks peaked to 133 million tonnes in 1992-93. In 1994-95, however, it was 8 per cent less than the peak. Further, during 1961-63 to 1987-90, per capita food supplies of cereals, on average, increased from 131 kg per year to 182 kg.

There are deep human values in these gains. The number of chronically undernourished people in Asia dwindled from 751 million in 1971 to 523 million in 1990.

Nonetheless, seven out of every ten of over one billion people in the world today who are strugglir ! to survive on one.dollar a day, subsist in Asia. The greatest absolute number of undernourished people — about 68 per cent of the total in 1990 huddle in Asia and they cluster in the densely packed rural, hinterland. In fact, if one considers the Capability Poverty Measure rather than income poverty alone, 76.9 per cent, 61.5 per cent. 60.8 per cent and 42.3 per cent were capability poor in 1993, in Bangladesh, India, Pakistan and Indonesia, respectivel, compared to the corresponding figures of income

ing story set in the desperate landscape of a dying arid town by a harsh sea. When Old Jacob's wife caught the smell of the roses, she knew she was going to die and so she did. At that time, the contaminated sea was phosphorescent and fragrant. She was cast into the flowerless sea. And Mr Herbert, an out of town rich person, came in and splashed his money, gave the dying townspeople mist of hope and took over the clapboard house of Old Jacob in exchange of winnings in chequer game. After a week of revelry, he yawned and flopped on to his

One is reminded of a haunt-

"You're going to die from that life you lead," old Jacob said. "I've got so much money that there's no reason for me to die," Mr · Herbert said. He slept for days on end and people grew tired of waiting. They had to dig crabs to eat.

When Mr Herbert woke up he said, "I am starving to death" "So is everyone else," Old Jacob said. "There's nothing to do but go to the beach and dig for crabs.

Tobias found him scratching the sand, foaming at the mouth. and he was surprised to discover that when rich people were starving they looked so much like the poor. (The Sea of Lost Time, Gabriel Gracia Marquez,

This searing image of degrading hunger and exhausted earth is perhaps an apt prelude to the issues that follow.

Urban Implosion

These rootless impoverished people are moving, in ever greater numbers into marginal coastal areas or ecologically brittle highlands. Ecological "boat people", in turn, are forcefeeding migration-streams backing up into huge crowded urban slums. It would be unwise to under-

estimate the pressures swirling within what is clearly the greatest urban mass-migration

annual rate of growth of urban populations: 3.64 per cent in the sixties, 3.9 per cent in the seventies and 4.73 per cent in the eighties. Population in the Asia-Pacific region is expected to increase by nearly two-fifths from 2.7 billion in 1989-90 to 3.7 billion in 2010. By that time, almost half of the region's inhabitants are likely to reside

in cities.

Mega-cities will alter landscapes. By the year 2000, there could be 45 such cities worldwide with population exceeding five million compared to only six in 1950. Most will be in Asia. Calcutta, for example, may swell to over 20 million; 24 million will crowd an affluent Tokyo: 19 million will jam Beijing: 14 million Seoul, and 12 million Manila.

The urban sprawl will bury,

in concrete, more farmlands that ring the cities. In the Philippines, it is estimated that around 24,000 ha. of irrigated farmland are lost every year to urban and industrial encroachment. The figure of 60,000 ha is quoted for Pak-· istan. In China, no less than 330,000 ha of good agricultural land due to the conversion of farms to industrial development and other non-agricultural uses. As fragmentation of arable land continues, per capita availability will shrink from 0.23 hectares in 1975 to 0.15 by the year 2000. Meeting food needs of both mega-cities, and the countryside are bound to test the wit and will of Asian leaders and resilient farmers. If urban growth, for example, builds up further to 5 per cent per annum, food to sustain these swollen cities must double every 14 years, merely to keep pace with the rise in numbers. In reality, actual food-needs are likely to be higher. The few and the powerful will rearrange their menus with rising levels of income and changing consumption patterns. Unless grain-saving alternatives are on the cards, more food-grains will be diverted for animal feed.

163

206

erished many and the majority small farmers in Asia be able to produce and scrounge enough for sheer survival? Can Asia untangle this unsustainable paradox of hunger amidst sur-

Ecology and Agriculture

The preceding three decades have seen substantial advance in efforts to produce food. But problems were emerging just beyond the horizon. Output from the world's once resilient ecosystems started to falter in the early 1990s. Downward slide in cereals production was matched by similar trends in fisheries and livestock, ratcheting the pressure on shrinking croplands. FAO's report to governments at the 17th Session of the Committee on World Food Security in 1992 documented the decline of cereals output by 4 per cent. Cereal production in Asia dipped by 1.6 per cent from a year earlier.

Arable lands, as mentioned earlier, are at their thinnest slivers in Asia. In just twenty years, the balance of limited uncropped land will be halved in South Asia. East Asia's will be sliced by a third.

Water Scarcity

Many acquifers have been pumped into salt-contaminated jugs. Water supplies today have slipped into a third of what they were in 1950s. Asia already uses half the world's water. By the year 2000, Asians will use 60 out of every 100 gallons. Most will be groundwater although acquifer withdrawals will exceed recharge in many areas. Crippling water-shortages have appeared in North China, West and South India. Overuse of ground waters is a policy issue in the Philippines and Thailand. Annual withdrawal of water for agriculture reached 474 cubic meter per capita in 1990, which is a little over 10 per cent of the per capita internal annual renewable water resource of 4684 cubic meters.

"Water-tables are falling, rivers are drying up and competition for dwindling supplies is increasing," writes Sandra Pastel of the World-watch Institute. A World Bank study points out that water supplies "in China are being siphoned away from farmlands surrounding Beijing in order to meet rising urban and industrial demands. Cities and industries can afford to pay more for water and earn a higher economic return per unit of water. Naturally, water flows uphill to money. The irony here is that irrigated agriculture is expected to produce much more in the future. Food security in Asia is inextricably linked with water secu-

(To be continued tomorrow)

The author, a former Minister and a Secretary of Government of Bangladesh and also our Ambassador to Washington, has recently retired as Assistant Director General for Asia-Pacific of FAO.

across the country have en- without supervision. A PC is deavored to take a massive revered, feared and not technological leap of faith by mastered. Instead it becomes resorting to computers for most the master through sheer power of their paper work and filing. of intimidation, just by sitting Office automation has become on a desk looking imposing and the top priority in this country mysterious. Since the proto keep up with the demands of hibitive cost of computers are the time. Apart from the bene- well known, there's always the fits of getting rid of the prover- thought of "destroying it" at the bial paper trails, the constant back of every new user's mind. misplacing of documents and But there are very few instances storage problems, this initia- where one can actually achieve tive also provides most users or get close to destroying a PC with cleaner desks, reduced with a single wrong click of the work load, easier access to in- mouse. However, not many are formation and data-sharing aware of this fact. As everything through networking and last is taken to be as serious a but not the least, entertainment business as, say, eye surgery, in the form of computer games. fear obstructs learning. There It is true, however, that there are people who use word procesare some unscrupulous people sors but would rather not use

SHARIER'97

ing spread sheets, some times writer, you are definitely not PC the low level of actual know- material! how about a computer could re-Then there's the virus-fear ally be quite an eye-opener. that plagues all concerned. But There's a sort of rule of thumb no matter how apprehensive even among the people who go users are, they will never run around claiming they are com- antivirus programmes reguputer support personnel. It's all larly to keep their computers basically trial and error. No- and diskettes virus-free.

fear of doing the wrong thing

body, however self-important As for games getting in the they may appear to be, really way of business, prudent office knows what is going on and ev- administration with the help of erything is just left up to the "computer personnel" can compassionate generosity of adopt the elimination strategy lady luck. Everytime a com- to ensure everybody is producputer hangs, one finds people ing their money's worth by surwith a look of utter helplessness reptitiously deleting the games on their faces. A simple thing as directory from the hard disks copying a file to disk can entail under the pretext of emptying as many as three tutoring disk space to make the PC run sessions and very few have the faster. This is the next best excourage, or whatever it takes, to cuse to saying that the dog ate it!

in human history. UN demogpoor of 47.5 per cent, 25.4 per raphers have tracked the powcent, 34 per cent and 16.7 per erful surge, worldwide, in the The question is: will the impov-Table 1: Per Caput Food Supplies for Direct Human Consumption Calories per day Kg. per year 1961/1963 1969/1971 1979/1981 1988/1990 Projected 1961/19 1969/1971 1979/1981 1988/1990 Projected 2220 2450 153 156 ..148 2340 126 151 2600 201 181 2780 00 434 00 9:150 2440 deed 70even 1183 Source: Agriculture Towards 2010, FAO

DEPTHnews

Source: FAO

Table 2: Estimates of Chronic Undernutrition in East and South Asia Per Caput Total Undernourished % of Total Population Population (Million) Food Supplies (Cal/Day) East Asia 1969/71 1988/90 2600 258 South Asia 2040 1969/71 711 2100 2220 892 1103 1979/81 278 265 1988/90

The Daily Star Entertainment Guide



一川山山村

The X-Files on Star Plus, Today at 12:30 room inc. World Business Re-

Tuesday 18th February (All programmes are in local time. There may be changes in the programmes.)

BTV

3:00 Opening Announcement Al-Quran Programme Summary 3:10 News in Bangla 3:15 Patriotic songs 3:20 Recitation from the Geeta 3:25 The Album Show 3:50 Cartoon film 4:15 Unmesh 4:50 Coach 5:00 News in Bangla 5:22 Sangeeta 6:00pm National Television Debate Competition 6:50 Open University 7:00 The News 7:25 Silver Jubilee of Freedom Fighter-A Documentary 8:00 News in Bangla 8:25 Silver Jubilee of Freedom Fighting-Mujibnagar Govt 9:00 Drama Serial: 10:00 The News 10:25 Those day of Freedom Fighting 10:30 sur Laharie 11:35 Wednesday's programme sum-mary 11:40 Close down

BBC 5:00am BBC World News 6:10 Newsnight 7:00 BBC Newsport/Asia Today/24 Hours 10:00 BBC World Headlines 10:05 World Focus: Panorama 10:45 The Panel 11:00 BBC Newsday 2:00 BBC World News 2:15 World Focus Panorama 3:00 BBC World News 3:30 Time Out: Tomorrow's World 4:00 BBC Newsdesk 6:00pm BBC World News 6:15 World Focus : The Money Programme 7:00 BBC World News 7:15 World Business Fieport 7:30 BBC Newshour Asia & Pacific 8:30 Time Out: Holiday 9:00 BBC World News 9:15 World Focus: Panorama 10:00 BBC World News 10:30 Time Out: Top Gear 11:00 BBC World News 11:30 Time Out: Film '97 12:00mn The World Today 2:00 BBC World Head lines 2:05 World Focus: Panorama 2:45 The Panel 3:00 BBC World News 3:30 Time Out: The Clothes Show 4:00

CHANNEL V

BBC World Report inc. World

Business Report/24 Hours

6:30am The Ticket 7:00

Rewind VJ Sophiya 8:00 Frame by Frame 9:00 Jump Start VJ Alessandra 10:00 Frame by Frame 11:00 The Vibe VJ Luke 12:00 Rewind VJ Sophiya 1:00 By Demand VJ Trey 2:00 Frame by Frame 2:30 Liberty First Day First Show 3:00 The Indian Top 10 4:00 Frame by Frame 4:30 Big Bang VJ Alessandra 6:00 Rewind VJ Sophiya 7:00 By Demand VJ Trey 8:00 Planet Ruby 9:00 The Vibe 10:00 First Day First Show 10:30 Soul Curry 11:00 Speak Easy 11:30 The Ride 12:00mn Over The Edge VJ Sophiya 12:30 Big Bang VJ Alessandra 1:00 Haysah 2:00 By Demand VJ Trey 3:00 Big Bang VJ Alessandra 4:30 Billboard US Count-

STAR PLUS 6:30 Ninaad 7:30 Star News

8:00 Sky Business News 8:15 Business Agenda 8:30 Star News 9:00 Sky News 9:30 Aerobics Oz Style 10:00 Yan Can Cook 10:30 El For Your Enter-tainment Hotels Of The Vegas Strip 11:00 Kates & Allie 11:30 The Oprah Winfrey Show 12:30 The X Files 1:30 Santa Barbara 2:30 The Bold & The Beautiful 3:00 Hindi Serial: Imtehan 3:30 Hindi Serial: Khandan 4:00 Hindi Serial : Tu Tu Mai Main 4:30 Land of the Giants 5:30 Black Beauty 6:00 Kate & Allie 6:30 Yan Can Cook 7:00 Hindi Serial: Janata Ki Adalat 7:30 Star News (Hindi) 8:00 Small Wonder 8:30 Hindi Serial: Kya Baat Hail 9:00 Meri Awaz Suno 9:30 Star News 10:00 Some Mothers Do Ave 10:30 Baywatch Nights 11:30 The Bold & The Beautiful 12:00mn Santa Barbara 1:00 Star News 1:30 Baywatch 2:00 Dynasty 3:00 Quincy 4:00 The Oprah Winfrey Show 5:30 Barnaby Jones

STAR SPORTS

6:30am The Asian Honda Classic Day 1 & 2 H/L 7:30 Trans World Sport 8:30 Inside PGA Tour 9:00 Spanish F'ball League H/L 9:30 Indian Open Badminton Day 3 12:30 Standard Chartered Marathon Hong Kong-Shenzhen (China) 1997 Highlights 1:30 ITU Triathlon World Cup 2:30 Asian Nations Cup 4:30 ITU Triathlor World Cup 5:30 Volvo World Cup Showjumping '96/97 6:30 7:30pm Indian Open Badminton Final Day 11:30 Asian Honda Classic Final Day H/I 12:30 Standard Chartered

Marathon, Hong Kong-Shen-zhen (China) 1997 Highlights 1:30 Thai Kickboxing Highlights 2:30 Inside PGA Tour 3:00 Volvo World Cup Showjumping '96/97 4:30 ISU Skating Nations Cup 5:30 Australian Open Night 8 Highlights

STAR MOVIES 7:30am Family : Dusty (Arabic

Subtitles) 9:30 Comedy: Without A Clue 12 (Arabic Subtitles) 11:30 Classic : It's Not Cricket PG (Hindi Subtitles) 1:30 Family : The Never-Ending Story PG 3:30 Comedy: House Party I 15 5:30 Comedy : Wild West 15 (Arabic Subtitles) 7:30 Family : A Summer Story 15 (Hindi Subtitles) 9:30 Hollywood One On One 10:00 Action: Op Center (Part 1) 15 (Hindi Subtitles) 12:00 Thriller : Stranded 18 (Arabic Subtitles) 2:00 Action No Way Out 18 (Arabic Subti tles) 4:00 Documentary : Twist 18 5:30 Comedy : Love Potion

15 (Hindi Subtitles) ZEE TV 5:00am Jagran 5:30 Suno Bha

Jagran 7:00 ZED 8:30 Disney Hour 9:30 Chutki Baja Ke 10:00 Jhatpat Khana 10:30 Umeed 11:00 Close Up Antakshri 12:00 Hum Honge Kamyaab 12:30 Ghoomta Aaina 1:00 ZED 1:30 Asian Sky Shop 2:00 Hum Paanch 2:30 Tara 3:00 Raahat 3:30 Dhara Zaike Ka Safar 4:00 Haathi Cement Aashiana 4:30 Aur Ek Minute 5:00 ZED 5:30 Through The Gears 6:00 Lijjat Khana Khazana 6:30 Disney Hour 7:30 Raahat 8:00 Gaane Anjaane 8:30 Nirma Hum Paanch 9:00 Sailaab 9:30 Shapath 10:00 Hasratein 10:30 News 11:00 Tara 11:30 Dastaan 12:00 Campus 12:30 Andaz 1:00 Chahat Aur Nafrat 1:30 Raahat 2:00 9 Malabar Hill 2:30 TMM 4:00 Suhana Safar 4:30 Index

8:00am Tilawat Aur Tarjuma-/Hamd/Naat 8:20 Cartoon 8:30 Khabrain 8:45 Beauty Care 8:50 Fun Kadha 9:10 Dhanak & Health Tips 10:05 Har Taan



Holiday on BBC World, Tonight at 8:30



6:30 Music Time 7:30 Ched

Chad 8:00 Hindi Feature Film 11:30 Newsline 12:00 Meri Marzi 12:30 Young Buzz 1:00 Bengali Serial 1:30 Bengali Serial 2:00 Music Time 3:00 Karz

EL TV



House Party on Star Movies, Today at 3:30 Taranne 3:30 Hunste Hunste

Frooti It's My Choice 6:30

DD 7

Monoranjan 7:00 Bangla Serial 10:30 Janmadin 10:35 Classical 7:30 Bangla Serial 8:00 Zaman Music 11:00 Ghare Baire 12:30 Gajab Ki 8:30 Tere V Chup Monorama Cabin (Serial) 1:00 9:00 Hit Hai Hit Thi 9:30 Pu Janmabhumi (Serial) 1:30 Trrushkeshtra 10:00 Number One ishna 2:00 Pathaykram 2:30 10:30 Hindi Feature Film 1:30 Bakul Katha (Serial) 3:00 Aaleya Devotional Songs 2:30

Employment News/Lalitkala 6:00 Palli Katha 6:30 Teen Kanya 7:00 Bakul Katha Serial 7:30 Bangla Sambad 7:55 Dinindan 8:00 Aaleya (Serial) 8:30 Darpan 9:00 Janmabhumi (Serial) 9:30 Monorama Cabin (Serial) 10:00 Bengali Movie Club Film Show 1:00 Closed

(Serial) 3:30 Aamargeeti/Bigapti

(Serial) 5:05 Science Prog-Big-

nan Prasange 5:20 News 5:30

SONY ET

8:30am Khoya Khoya Chand 9:00 The Three Stooges 9:30 Dennis The Menace 10:00 Dream Of Jeannie 10:30 Surf-Wheel Of Fortune 11:00 Ghaav 11:30 Zamana Badal Gaya 12:00 Boogie Woogie 12:30 Good Shot 1:00 Pehli Mulakat 1:30 The Young And The Restless 2:30 Cine Matinee-Hindi Feature Film 5:30 The Three Stooges 6:00 Dennis The Menace 6:30 Khoya Khoya Chand 7:00 Premier 7:30 I

Of Fourtune 2:00 Premier 2:30 ZEE CINEMA 6:45 Songs 7:00 Sheesha (Moon Moon S., Mithun C.)

Dream of Jeannie 8:00 Surf-

Wheel Of Fortune 8:30 Cine

Prime-Hindi Feature Film 11:00

The Young And The Restless

12:00 Taj Mahal Taki Dhina Din

12:30 Jeevan Mirtu 1:00 Sun-

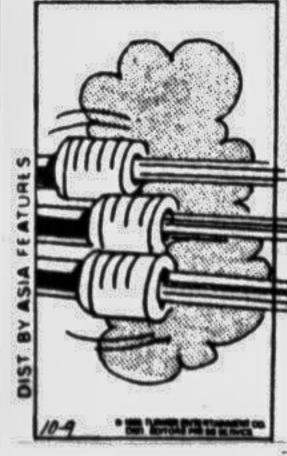
day Ki Sunday 1:30 Surf-Wheel

9:00 TBA 9:30 Pyar Ki Jeel (Ashok K., Rekha, Shashi Kapoor) 12:15 Reruns 12:30 Gal Gulabi Nain Sharabi (Kiran K., Radha S.) 3:15 First Take 3:45 Udhar Ka Sindoor (Jeetendra, Asha P.) 6:30 Halo Na Madi Gare Ramaye (Gujarathi) 9:15 Cinema Cinema 9:30 Movies Masti Magic 10:00 Jaadugar (Amitabh B., Jaya P.) 12:45 Raja Aur Rana (Ashok K., Pran) 3:30 lkke Pe Ikka 4:00 Hai Meri Jaan (Sunil D., Hema M.)

Tom and Jerry









James Bond



