

Library Bulletin

A monthly publication of LRC

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News Corner

UMT Welcomes New Students for Fall 2012

New students for the Fall 2012 semester of the University of Management and Technology (UMT), Lahore, received an inspiring welcome at the university campus in a special orientation ceremony. The orientation was attended by a large number of students, parents, senior university officials and faculty members.

Addressing on the occasion **Dr. Hasan Sohaib Murad**, Rector UMT, urged the students to reflect on their true being. He said that Allah has given all of us a unique persona but this is often ignored by us. Most of us think that material things, like the cars that we drive or the houses that we live in, are important. But the world has seen that in the past twenty years, young people aged 18-24 years, have become millionaires. Look at the success stories of the founders of Microsoft, Yahoo, Apple and Google. It is self discovery that gave such success to these people. Head QEC, Deans and directors at UMT schools and institutes also spoke on this occasion.

Library also set up a help desk at the orientation venue for on-the-spot information to students. It purposely prepared the **library information pack** to provide a quick snapshot of the library rules, regulation, services and facilities. A CD carrying a set of essential readings in a digital format, intended to equip students with basic knowledge and skills at start of the academic career at university level, was also the part of the kit. The library kit was integrated with university information kit by the Office of Registrar.

At the end, newcomers visited the library individually and in small groups. They were briefed how to be a member of the library, and about their expected/potential role within the four walls of the library. Library staff throughout the day, and afterward, immensely engaged with the students to facilitate them in getting the most out of the library, this included but not limited to: locating resources and services within the library, how to approach the library staff for assistance, log onto library computers for academic use, searching the library's website, finding out magazine and newspaper articles. Novices were also acquainted with basic database searching techniques. They were greatly inspired by dynamic collection, learning facilities, and wireless network connection of the library and shared that the library would definitely be their learning partner to accomplish their calculated goals.

Selected Article

Our educational dependency by Farooq Sulehria

Wednesday, September 26, 2012

Pakistan's educational priorities are lopsided, which is one of the reasons for our educational dependency. A little ideological background to the subject should be helpful here.

After World War II the newly liberated colonies were advised to modernise, both by the US and the USSR. Modernisation was the catchword the way globalisation is fashionable now since the 1980s. However, the modernisation handbook of the USSR was different from its American version. Washington wanted the capitalist road to development. Moscow advised a two-stage trip to development.

Disgusted by both, a section of Marxist thinkers propounded dependency theories. Pioneered by Latin American economists such as Andre Gunder Frank (he was originally German-American), the dependency school sees the world capitalist system as divided into a centre and a periphery. They see capitalist development in the colonial world as de-development.

Frank, grounding his theory in Paul Baran's analysis of the global political economy, declared that "it is capitalism, both world and national, which produced under development in the present."

This is, as Baran had earlier pointed out, because capitalism in the periphery is of a special, truncated form, which inhibits development of complete capitalism, rather than promoting it. "Far from serving as an engine of economic expansion, of technological progress, and of social change, the capitalist order in these countries has represented a framework for economic stagnation, for archaic technology, and for social backwardness."

As the process unfolds, the periphery becomes increasingly dependent upon the centre. Hence, the dependency school claims, conditions for the form of "development" that entrenches poverty are international, it is not just that there is one group of countries in the world which happens to be developed and another that happens to be poor. According to dependency theorist Robert Biel, "The two are organically linked; that is to say, one part is poor because the other is rich. The relationship is partly historical-for colonialism and the slave trade helped to build up capitalism, and this provided the conditions for later forms of dependency-but the link between development and underdevelopment is also a process that continues today."

But it is simplistic to see dependency merely as an international relationship, for it also requires a base in the social relations within the countries of the South. Specifically, it is internalised in the form of incomplete capitalism. The critique of development theory by Paul Baran makes this clear. The problem is not the absence of development but its presence, since the "key proposition is that capitalism in the periphery arose in a special form." To quote Baran again, "all that happened was the age-old exploitation of the population of under-developed countries by their domestic overlords was freed of the mitigating constraints inherited from the feudal tradition. This superimposition of business mores over ancient oppression by landed

gentries resulted in compounded exploitation, more outrageous corruption, and most glaring injustice.”

That is, in the traditional setup, the tribute received by the ruling class was largely conditional upon the good functioning of the system they ruled. In the context of neo-colonial capitalism, by contrast, they receive what amounts to a kind of tribute arising from the malfunctioning of the system. The dependency perspective does not imply that the periphery cannot break this cycle. However, it points out that capitalism cannot flourish in the periphery and for the periphery to develop, it is necessary to overthrow the centre-periphery paradigm.

Space does not allow a discussion merits and demerits of this theory. However, as a descriptive tool the dependency school brilliantly helps explain the Pakistani state and society. A case in point is the HEC’s scholarship project for higher education abroad. Under this programme over 14,000 scholars have been awarded scholarships, 3,800 of them for a PhD abroad in the last decade (the target was almost 6,000 PhDs abroad). The layout for merely PhDs abroad is Rs43 billion. Scholars have also been sent abroad on MS and postdoctoral programmes.

An official evaluation report has listed 30 defaulters who completed the studies but didn’t return (23 scholars for MS programmes also stayed on). Similarly, the number of scholars returning without completion of studies is constantly increasing. At least 235 such cases have been reported. Meantime, under two mega-projects, called “Overseas scholarship scheme for MS/MPhil leading to PhD in selected fields (Phase I and Phase II),” with the highest enrolment in foreign universities (with the scope of 700 and 2,000, respectively), scholars are not even under the bond of the university or any other organisation. “HEC will face real difficulties to ensure the return of such scholars and fulfilment of bond,” says an official document.

By highlighting these aspects, I want to stress two points. Firstly, our educational dependency. The amount spent on training 3,800 PhD scholars would have laid a sound material basis for an indigenous research infrastructure. Alternatively, cooperation with other Third World countries would have cost much less. For instance, a comparison of disciplines adopted by scholars shows that a maximum number of students are enrolled in medical sciences (34 percent). The others are engineering, 21 percent; physical sciences, 20 percent; and social sciences, nine percent. Cuba comes to mind when it comes to doctors. One may also develop cooperation with countries like Turkey or the countries of Eastern Europe to cut costs for studies and training abroad.

It can be argued that the research quality available in the West is missing elsewhere. However, one should not ignore the fact that one needs high-tech Western training to run Western technologies. Educational dependency cannot be viewed in isolation. Therefore, we need to redefine our approach to development. Do we need a “development” that engenders dependency? There is an endless (but necessary) debate on an alternative path to development whereby development is not defined in terms of economic growth alone.

Secondly, an HEC scholarship scheme is sheer waste and it requires a democratic, austere makeover. I would argue for a Swedish approach to state sponsorship for higher education, including education abroad. In Sweden, the CSN is the state-authority that grants study loan to students. A fraction of the study loan is a state subsidy while the rest has to be paid back. The mechanism to retire a study loan is easy, affordable. On the completion of education, one pays

roughly five percent of his or her monthly wages to the CSN. Whether the recipient completes the degree course or not, the loan has to be paid back. Nobody is discriminated against or deprived. Our HEC scholarships, on the contrary, are a privilege in many ways. Here are two important aspects:

1. Most scholarships are awarded to Punjab (51 percent), followed by Khyber-Pakhtunkhwa (17 percent), Sindh (13 percent), Balochistan (nine percent), FANA/FATA/Gilgit-Baltistan (five percent), the Federal Capital Area (four percent) and Azad Kashmir (two percent).
2. The gender balance is tipped in favour of men: only 23 percent of the scholarships have been awarded to women-in other words, more than three quarters go to men.

According to my findings, under foreign scholarships about 70 percent of scholars are enrolled in the UK and the US, the major source of capital flight. The average cost worked out was about Rs6 million for each candidate; however the completion cost in most cases is Rs10 million. One wonders why Pakistan's toiling masses should pay Rs10 million to help middle-class (often well-connected) professionals build a brilliant career. Let us democratise the scholarship programmes like Sweden does. Regardless of one's gender, ethnicity and class origin, a student qualifying for higher education should be granted a study loan to study anywhere in the country as well as abroad. Poor people should not pay the price for dropouts, "absconders," or lazy scholars who cannot complete their studies in time.

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Courtesy to The News

Current Contents of CAD

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Crops:

1. Ahmad Fraz Khan. (2012 September 24). Improved outlook for cotton. *Dawn*, p. VI.

Agri-sector:

2. Tahir Ali. (2012 September 02). No to agri-engineering?. *The News*, p. III.
3. Ershad Kazmi. (2012 September 03). Skewed land ownership. *Dawn*, p. V.
4. Babar Ayaz. (2012 September 17). Changing agronomics. *The News*, p. IV.
5. Aamer A Sarfraz. (2012 September 19). Agri investment – I. *Business Recorder*, p. 21.
6. Tahir Ali. (2012 September 23). Uneven tax ratio. *The News*, p. IV.
7. Ayeasha Gulzar. (2012 September 28) The impact on agriculture of trade liberalisation with India. *Business Recorder*, p. 22.

Irrigation:

8. Khaleeq Kiani. (2012 September 24). Innovative solution' to water scarcity. *Dawn*, p. VI.

Livestock:

9. Khushi Muhammad, Farhat Nazir Awan, Akram Munir and Athar Khan. (2012 September 16). FMD: a threat to dairy industry!. *The Nation*, p. 7.
10. Afshan Subohi. (2012 September 24). Black sheep in Pakistan-Australia trade ties. *Dawn*, p. I.

Banking and Finance:

Banking:

11. Martin Khor. (2012 September 03). Market rigging: new blow to banking system. *Dawn*, p. V.
12. Mahmud Ahmed. (2012 September 10). Decline in bank credit for labour-intensive sectors. *Dawn*, p. V.
13. Mohiuddin Aazim. (2012 September 10). Banks averse to housing loans. *Dawn*, p. VI.

Corporate Law and Regularity Bodies:

14. Dilawar Hussain. (2012 September 10). Consumer goods firms raking in profit. *Dawn*, p. I.

15. Tanveer Naim and A Baseer Qazi. (2012 September 18). Encouraging entrepreneurial experimentation. *The News*, p. 6.
16. Mohiuddin Aazim. (2012 September 24). Providing impetus to domestic trade. *Dawn* .l.

Economy:

Economic Budget:

17. Ashfaq H Khan. (2012 September 25). Death of the budget. *The News*, p.6.
18. Muhammad Sabir. (2012 September 27). Balochistan Budget 2012-13: Compromising social development. *Business Recorder*, p. 20.

Economic Conditions:

19. Mohiuddin Aazim. (2012 September 03). Remodelling the monetary policy. *Dawn*, p. 1.
20. Afshan Subohi. (2012 September 03). Business response to PTI's reforms agenda. *Dawn*, p. 1.
21. Khawaja Muhammad Yousuf. (2012 September 10). Productivity analysis of Pakistan in the last 50 years. *Business Recorder*, p. 16.
22. Jamil Nasir. (2012 September 11). For sustainable growth. *The News*, p. 6.
23. Zafar Azeem. (2012 September 13). Pakistan's Legal Framework: Combating money-laundering and counter-terrorist financing. *Business Recorder*, p. 22.
24. Kamila Hyat. (2012 September 13). Food security and the state. *The News*, p. 6.
25. Irfan Mufti. (2012 September 16). Further low on. *The News*, p. II.
26. M A Malik. (2012 September 16). Managing economy. *Business Recorder*, p. 16.
27. Zafar Azeem. (2012 September 20). How money-laundering affects individuals and the state. *Business Recorder*, p. 20.
28. Sakib Sherani. (2012 September 21). Stylised facts. *Dawn*, p. 7.
29. Special zones for foreign investors. (2012 September 24). *Dawn*, p. VI.

Socio Economic Development:

30. Nasir Jamal. (2012 September 24). How to come out of poverty trap?. *Dawn*, p. I.

Trade:

31. Tasneem Noorani. (2012 September 07). Trade remains static. *Dawn*, p. 7.
32. Afshan Subohi. (2012 September 24). Black sheep in Pakistan-Australia trade ties. *Dawn*, p. I.
33. Ayeasha Gulzar.(2012 September 28). The impact on agriculture of trade liberalisation with India. *Business Recorder*, p. 22.

Labor & Related:

34. Sabur Ghayur. (2012 September 10). Tackling unemployment. *The News*, p. III.
35. Umair Javed. (2012 September 18). Discourse on labour welfare. *Dawn*, p. 7.
36. Bilal Nageeb. (2012 September 23). Informal exploitation. *The News*, p. III.
37. Waqar Gillani. (2012 September 23). Union is strength. *The News*, p. 33.
38. Aoun Sahi. (2012 September 23). Rule of no-law. *The News*, p. 33.

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39. Samina Jabeen. (2012 September 03). Resolution of telecommunication interconnect call tax issue. *Business Recorder*, p. 16.
40. Huzaima Bukhari and Ikramul Haq. (2012 September 07). Sordid story of tax reforms. *Dawn*, p. 22.
41. Nasir Jamal. (2012 September 10). Tardy growth in provincial tax revenue. *Dawn*, p. VI.
42. Huzaima Bukhari and Ikramul Haq. (2012 September 28). Tax amnesty schemes. *Business Recorder*, p. 22.

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43. Saif Usmani. (2012 September 02). Showing in numbers. *The News*, p. II.
44. Mehtab S. Karim. (2012 September 10). More business, less education. *The News*, p. III.
45. Waqar Gillani. (2012 September 16). Seeds of hate. *The News*, p. IV.
46. Mohammad Ali Khan. (2012 September 24). Public-private partnership for skills development. *Dawn*, p. IV.
47. Khalil A. Arbi. (2012 September 24). Industry-academia linkages. *Dawn*, p. IV.
48. Farooq Sulehria. (2012 September 26). Our educational dependency. *The News*, p. 6.

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49. Mansoor Raza. (2012 September 17). Vehicle of the poor. *The News*, p. III.
50. Expanding subsidised tractors scheme. (2012 September 24). *Dawn*, p. III.

Cement and Construction:

51. Mohiuddin Aazim. (2012 September 10). Banks averse to housing loans. *Dawn*, p. VI.

Energy and Power:**Energy:**

52. Akhtar Ali. (2012 September 02). New horizons in energy sector – II. *Business Recorder*, p. 16.
53. Akhtar Ali. (2012 September 02). New horizons in energy sector – III. *Business Recorder*, p. 16.
54. Nizamuddin Laghari. (2012 September 10). Easing controls over power sector. *Dawn*, p. IV.
55. Shahzada Irfan Ahmed. (2012 September 16). Power projections. *The News*, p. II.
56. Akhtar Ali. (2012 September 16). New horizons in energy sector – IV. *Business Recorder*, p. 16.
57. Amin ur Rahman. (2012 September 23). KESC: Facts vs myths. *The News*, p. II.
58. Bilal Ibne Rasheed. (2012 September 23). Are big dams the solution?. *The News*, p. III.

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59. Samina Jabeen. (2012 September 03). Resolution of telecommunication interconnect call tax issue. *Business Recorder*, p. 16.
60. Irfan Zafar. (2012 September 07). It's all about identity theft. *The Nation*, p. 7.

Ideology:

61. Syed Kamran Hashmi. (2012 September 12). Science vs. Islam. *Daily Times*, p. A7.
62. Munir Akram. (2012 September 30). Defamation of religions. *Dawn*, p. 7.

International Relations:

63. Ikram Sehgal. (2012 September 13). International security issues-I. *The News*, p. 6.
64. Ikram Sehgal. (2012 September 14). International security issues-II. *The News*, p. 6.
65. Huzaima Bukhari and Ikramul Haq. (2012 September 16). 9/11: War of economic interests. *Business Recorder*, p. 20.
66. Maleeha Lodhi. (2012 September 18). More process than outcome. *The News*, p. 7.
67. Maleeha Lodhi. (2012 September 25). Defending Islam. *The News*, p. 7.
68. Alauddin Masood. (2012 September 30). Shedding historical baggage?. *The News*, p. II.
69. Shamila N. Chaudhary. (2012 September 30). Foreign policy and US elections. *Dawn*, p. 7.

Judiciary and Government:

70. Babar Sattar. (2012 September 08). Rule of judges?. *The News*, p. 7.
71. Ahmer Bilal Soofi. (2012 September 09). Interception law: long overdue. *Dawn*, p. 7.

72. Farah Zia. (2012 September 09). A case apart. *The News*, p. 32.
73. Aoun Sahi. (2012 September 09). Dissenting notes. *The News*, p. 33.
74. Tasneem Noorani. (2012 September 18). The death of governance. *Dawn*, p. 6.
75. Saida Fazal. (2012 September 27). Disqualification laws. *Business Recorder*, p. 20.

Society:

Child and Youth:

76. Zahid Hussain. (2012 September 25). Young face of the mob. *Dawn*, p. 7.
77. Zubeida Mustafa. (2012 September 26). Whose child is this?. *Dawn*, p. 6.
78. Nosheen Naz. (2012 September 30). Permanent mark. *The News*, p. II.

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79. M. Tariq Javed. (2012 September 10). Wetland system to combat water pollution. *Dawn*, p. IV.

Gender and Women:

80. Mansoor Raza. (2012 September 10). The second wave. *The News*, p. II.
81. Saba Karim Khan. (2012 September 13). Between law and practice. *Dawn*, p. 6.

Law & Order:

82. Jamil Nasir. (2012 September 06). Sources of corruption. *The News*, p. 6.

Society & Culture:

83. Asif Ezdi. (2012 September 03). A silent invasion. *The News*, p. 6.
84. Tabinda Sarosh. (2012 September 09). Neglected area. *The News*, p. III.
85. Huma Yusuf. (2012 September 10). Who defines obscenity? *Dawn*, p. 7.
86. Huma Yusuf. (2012 September 10). Who defines obscenity?. *Dawn*, p. 7.
87. Noman Ahmed. (2012 September 16). Census: Signs of hope. *The News*, p. III.
88. Hajrah Mumtaz. (2012 September 24). Regulatory contortions. *Dawn*, p. 7.
89. Nasir Ali Panhwar. (2012 September 24). Planning for disaster risk reduction. *Dawn*, p. IV.

Social Enterprises:

90. Aoun Sahi. (2012 September 16). Caught on the wrong foot. *The News*, p. IV.

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91. Atta-ur-Rahman. (2012 September 08). A different democracy. *The News*, p. 6.
92. Asif Ezdi. (2012 September 10). The options for electoral reform. *The News*, p. 7.
93. Harris Khaliq. (2012 September 17). Electoral reform. *The News*, p. 7.
94. Atta-ur-Rahman. (2012 September 22). The world of innovation. *The News*, p. 6.
95. Ishtiaq Ahmed. (2012 September 23). Ethnic politics: Baloch, Sindhi and Mohajir

movements. *Daily Times*, p. A6.

96. Huzaima Bukhari and Ikramul Haq. (2012 September 23). Challenges ahead. *The News*, p. II.

Local Government:

97. Raza Rumi. (2012 September 09). Local solutions. *The News*, p. I.

98. Shujauddin Qureshi. (2012 September 16). Local politics. *The News*, p. I.

99. Altaf Hussain Pinjaro. (2012 September 23). The local level. *The News*, p. III.

General:

100. Muhammad Amir Rana. (2012 September 23). A militant's stereotype. *Dawn*, p. 7.



New Books Added

Architecture:

1. Exercices in architecture: learning to think as an architect / by Unwin
London: Routledge, c2012
720. 76 UNW - E
2. Architectural graphics, 5th ed. / by Ching
Hoboken : John Wiley & Sons, c2009
720. 284 CHI - A
3. Basic architecture: architectural design /by Anerson
Case Postale: AVA Publishing, c2011
729. AND - A
4. Urban design: the composition of complexity / by Kasprisin
London: Routldge, c2011
307. 1216 KAS - U
5. Thinking about architecture: an introduction to architecture theory / by Davis
London: Laurence King, c2011
720. 1 DAV - T
6. Architect' sketch books / Edited by Jones
London: Thames & Hudson, c2011
720. 284 ARC -
7. Alternative energy systems in building design / by Gevorkian
New York: McGraw Hill, c2010
720. 472 GEV - A
8. Façade greenery: contemporary landscaping / by Uffeleen
Salenstein: Braun Publishing, c2011
720. 47 UFF - F
9. 21st century kitchens / by Crafti
Mulgrave: Images Publishing, c2010
747. 797 CRA - T
10. The structural basis of architecture, 2nd ed. / by Sandaker, Eggen & Cruvellier
London: Routledge, c2011
721. SAN - S
11. Glass house: buildings for open living / by Adams
London: Thames & Hudson, c2009
721. 04496 ADA - G
12. Waterscapes: contemporary landscaping / by Uffelen
New York: Braun Publishing, c2011
720. 47 UFF- W

Computer Science:

13. More math into latex, 4th ed. / by Gratzner
New York: Springer science +business Media, c2007
686. 22544536 GRA- M

14. Oracle streams 11g data replication / by Deshpande
New York: McGraw Hill, c2011
005. 7565 DES- O
15. Practical SQL queries for Microsoft sql server 2008 R2 / by Tennick
New York: McGraw Hill, c2011
005. 7585 TEN- P
16. Introduction to computers / by Norton
New Delhi: Tata McGraw Hill, c2011
004. NOR- I
17. Ajax: a beginners guide / by Holzer
New York: McGraw Hill, c2009
006. 78 HOL- A
18. Fundamentals of database system, 5th ed. / by Elmasri & Navathe
New Delhi: Pearson India, c2008
005. 74 ELM- F
19. Professional iphone and ipad application development / by Backlin
New Delhi: Wiley India, c2011
005. 74 ELM- F
20. A first course in complex analysis with applications, 2nd ed. / by Zill & Shanahan
New Delhi: Jones & Bartlett india, c2011
515. 9 ZIL- F
21. Oracle jdeveloper 11g handbook: a guide to oracle fusion web development / by Mills, Koletzke & Faderman
New York: McGraw Hill, c2010
005. 369 MIL - O
22. Coreldraw X4 the official guide / by Bouton
New Delhi: TataMcGraw Hill, c2008
006. 6 BOU - C
23. Coreldraw X5 the official guide / by Bouton
New Delhi: TataMcGraw Hill, c2011
006. 6 BOU - C
24. Fundamentals of software integration / by Hammer & Timmerman
New Delhi: Jones & Bartlett India pvt ltd, c2010
005. 10684 HAM - F
25. Embedded microcontrollers / by Morton
New Delhi: Pearson India, c2001
621. 3916 MOR - E
26. Discovering computers 2010: living in a digital world / by Shelly & Vermaat
New Delhi: Cengage Learning, c2010
004. SHE - D
27. HTML complete concepts and techniques, 5th ed. / by Shelly & Woods
Boston: Course Technology, c2009
005. 72 SHE - H
28. Discovering the internet complete concepts and techniques, 3rd ed. / by Shelly, Napier & Rivers
Boston: Course Technology, c2010
004. 678 SHE - D

Islam and Mass Media:

29. Discovering the internet complete concepts and techniques, 3rd ed. / by Shelly, Napier & Rivers
Boston: Course Technology, c2010
004. 678 SHE - D

Industrial Management:

30. Actions and insights middle east north Africa: managing in uncertain times / Edited by Balakrishnan [et al].
Bingley: Emerald Group Publishing, c2012
658. 500956 ACT-

Machine Learning:

32. Machine learning with SVM and other kernel methods / by Soman, Loganathan & Ajay
New Delhi: PHI Learning, c2011
006. 31 SOM - M

Matlab:

33. Numerical methods: an introduction with applications using matlab, 2nd ed. / by Gilat & Subramaniam
Hoboken: John Wiley & Sons, c2011
519. 40285 GIL - N

Project Management:

34. Microsoft project 2010 / by Microsoft official academic course
Hoboken: John Wiley & Sons, c2012
658. 4040285 MIC -

Real Time Processing:

35. Real time systems theory and practice / by Mall
New Delhi: Pearson India, c2011
004. 33 MAL- R

Robot:

36. Robotics: control, sensing, vision, and intelligence / by Fu, Gonzalez & Lee
New Delhi: Tata McGraw Hill, c1987
629. 892 FU- R

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Bloomberg BusinessWeek

Sep 03rd – Sep 09th 2012

Bloomberg Businessweek
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In "No Borders, No Boundaries" (July 23), we quoted energy expert Daniel Yergin as saying the developed world consumed twice as much energy as the developing world 10 years ago. In fact he said, "A decade ago the developed world consumed twice as much oil as the developing world." We also wrote that the Middle East is home to only one Global 500 company. It is home to two: SABIC and International Petroleum Investment. Fortune regrets the errors.

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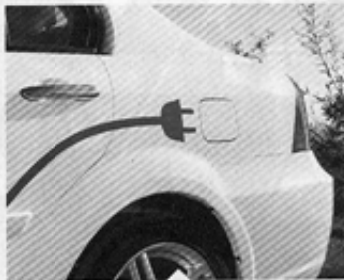
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After World War II, Europe began a process of peaceful political unification unprecedented there and unmatched anywhere else. But the project began to go wrong in the early 1990s, when western European leaders started moving too quickly toward a flawed monetary union. Now, as Europe faces a still-unresolved debt crisis, its drive toward unification has stalled—and unless fear or foresight gets it going again, the union could slide toward irrelevance.

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The United States worries about China's rise, but Washington rarely considers how the world looks through Beijing's eyes. Even when U.S. officials speak sweetly and softly, their Chinese counterparts hear sugarcoated threats and focus on the big stick in the background. America should not shrink from setting out its expectations of Asia's rising superpower—but it should do so calmly, coolly, and professionally.



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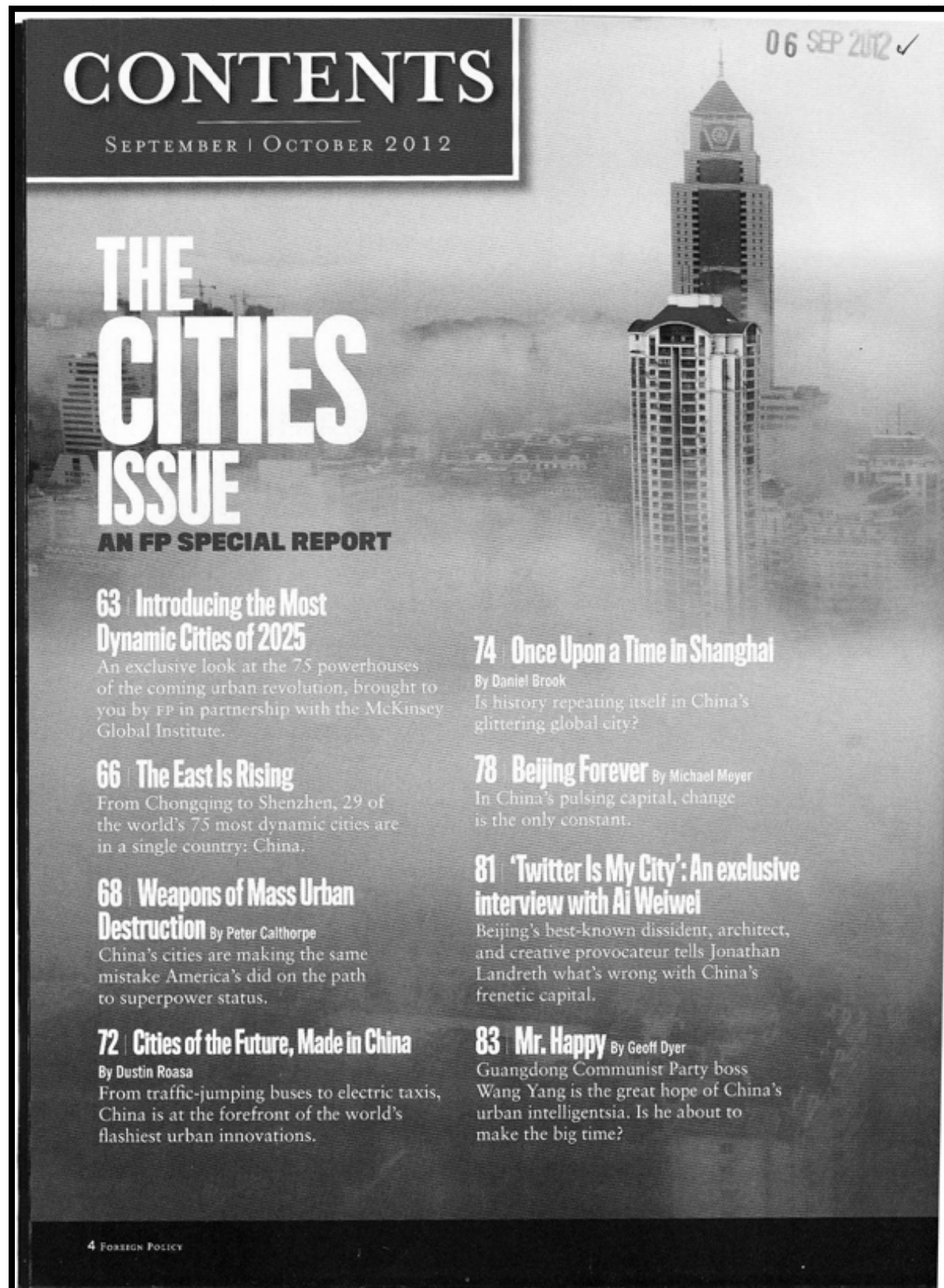
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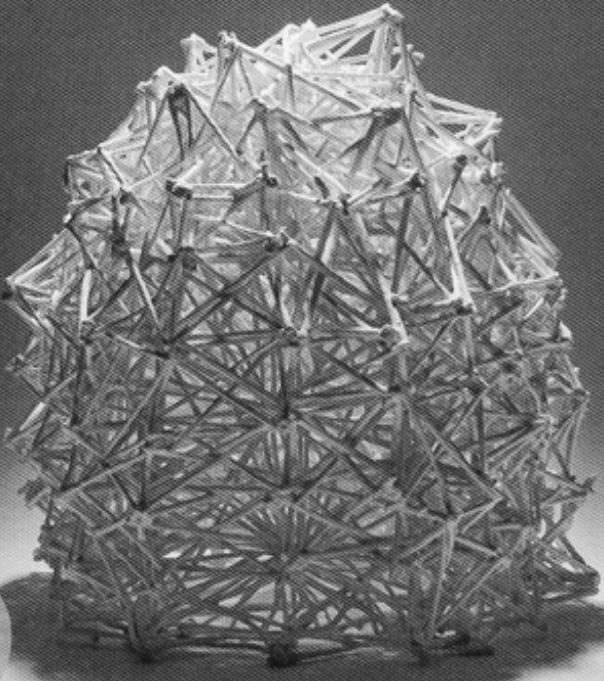
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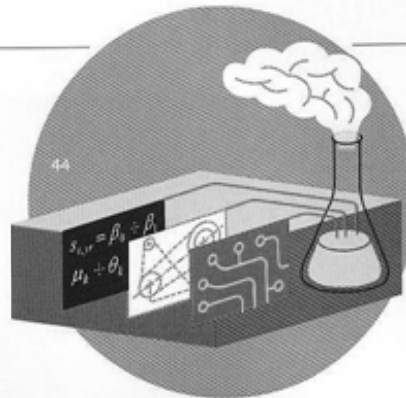
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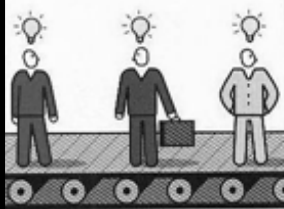
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For science, limits don't mark what is forbidden. Rather they are guideposts to the edges of understanding—the signs demarcating the darkness beyond—and thus a smart place to aim the flashlights. In this special issue, we celebrate the quest to break beyond everyday limits—the most human quest of all.

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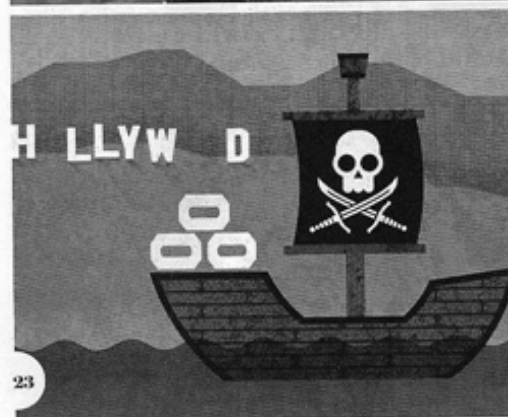
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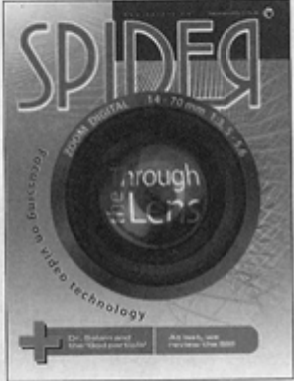
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Volume 14 / Number 166
September 2012
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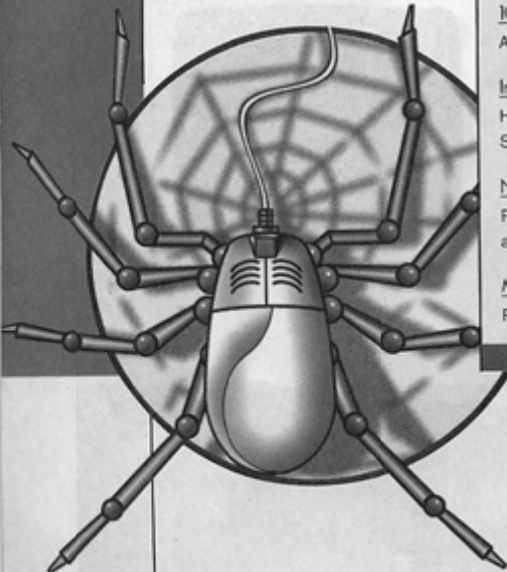
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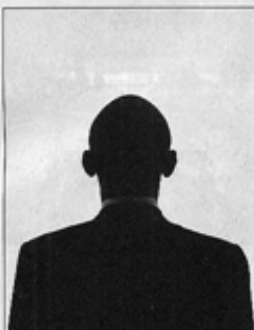
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The Economist

Volume 404 Number 8800

First published in September 1843 to take part in "a severe contest between intelligence, which presses forward, and an unworthy, timid ignorance obstructing our progress."

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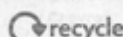
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The Economist

Volume 404 Number 5805

First published in September 1843
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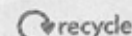
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U.S.C.A. (P) No. 088/09/2012 PPS 017/21/2012(022846)

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The Economist

Volume 404 Number 8802

First published in September 1843 to take part in "a severe contest between intelligence, which presses forward, and an unworthy, timid ignorance obstructing our progress."

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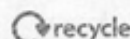
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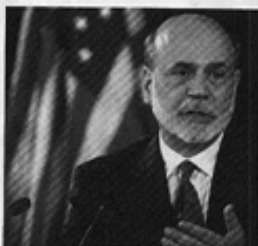


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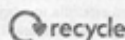
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R.L.C.A. (P) No. 087/09/2012 PPS 673/12/001002001

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TIME September 24, 2012

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