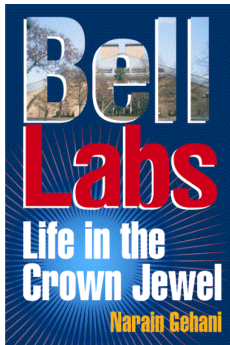


SP
SILICON PRESS
www.silicon-press.com
25 Beverly Road
Summit, NJ 07901



BELL LABS
LIFE IN THE CROWN JEWEL

BY
NARAIN GEHANI

ISBN: 0-929306-27-9

Bell Labs, the greatest research lab of the twentieth century, has been called America's national treasure and the crown jewel of AT&T and Lucent. To scientists all over the world, pursuing research at Bell Labs has long been a dream because of its brilliant scientists, numerous inventions, academic freedom, and plentiful resources. But now, forced by the marketplace, competition, and economic conditions, the world's most prestigious research lab is in the midst of radical cultural change.

Bell Labs: Life in the Crown Jewel tells the fascinating story of the transition Bell Labs is undergoing as it adapts to new business conditions. After AT&T's settlement of a government anti-trust lawsuit, the boom years of basic research started to end. A much smaller AT&T, still a giant company, was thrust into the competitive world. The change, slow at first, picked up pace in the 1990s following the next breakup of AT&T, which created Lucent, Bell Labs' new parent. After a few good years, Lucent found itself in financial difficulty in a very tough telecommunications market. Lucent responded by breaking up into smaller companies, which led to a smaller Bell Labs. Lucent's worsening financial condition forced it to downsize with Bell Labs sharing the pain. Bell Labs is now being forced to move faster and further towards helping Lucent's business needs.

Moving from university-style (basic) research to industrial (applied) research is much more difficult than going from industrial research to basic research because industrial research puts constraints on scientists while basic research frees them to explore new frontiers. Bell Labs researchers, who once were free to focus on innovation, research excellence, and prizes, now have to worry about business relevance. The culture of lifetime employment is gone and the pendulum has swung from basic to applied research.

Narain Gehani worked at Bell Labs for twenty-three years from 1978 to 2001. He was there during the critical years when AT&T changed from a monopoly to a competitive company. He was there when AT&T split up again and handed Bell Labs to Lucent. He was there during the rise and fall of Lucent. He was a witness to and participant in the changes in Bell Labs as its parent went from a million-employee company (AT&T) to a company (Lucent) that now has less than fifty thousand employees.

Narain Gehani, in his first non-technical book, shares his insights about Bell Labs and its culture and tells its glorious history. He describes the cultural differences between

Research and the business units, the different research models and the challenges facing Bell Labs in the twenty first century. *Bell Labs: Life in the Crown Jewel* is full of interesting and amusing anecdotes. Narain Gehani's tale of a corporate crown jewel will keep you riveted to reading about a way of life possibly gone forever.

CHAPTER TITLES

1. I HAVE A JOB FOR LIFE!
2. THE CROWN JEWEL
3. LIFE AT MURRAY HILL
4. LOOKING FOR DUNG BUT FINDING GOLD
5. DO WE WORK FOR THE SAME COMPANY?
6. WHAT ARE YOU DOING FOR US?
7. BELL LABS GOES WEST
8. MAPS ON US
9. MOST FANTASTIC PLACE!

INFORMATION

ISBN: 0-929306-27-9

Price: \$29.95

Date Available: December 2002

Available From: Silicon Press, Barnes & Noble, Amazon.com, Baker & Taylor, ...

CONTACT: Indu Taneja

EMAIL: info@silicon-press.com; **TEL:** 908-273-8919

ALSO AVAILABLE ON CDS

1. *Bell Labs: Life in the Crown Jewel* (Unabridged; 6 CDs). Read by Stow Lovejoy.
2. *Bell Labs: Life in the Crown Jewel* (Abridged; 2 CDs). Read by Stow Lovejoy.

OTHER BOOKS BY NARAIN GEHANI

1. Ada: An Advanced Introduction. Prentice-Hall, 1983.
2. Ada: Concurrent Programming. Prentice Hall 1984. Also published by Prentice-Hall Intl, 1994 and Silicon Press, 1994.
3. C: An Advanced Introduction. Computer Science Press, 1985.
4. Document Formatting and Typesetting on the UNIX System. Silicon Press, 1987.
5. Document Formatting and Typesetting on the Unix System, Volume 2 (co-author S. Lally). Silicon Press, 1988.
6. Concurrent C (co-author W. D. Roome). Silicon Press & Prentice-Hall Intl., 1989.
7. Software Specification Techniques (co-editor A. McGettrick). Addison-Wesley, 1985.
8. Concurrent Programming (co-editor A. McGettrick). Addison-Wesley, 1988.
9. Comparing and Assessing Programming Languages (co-editor A. R. Feuer) Prentice-Hall, 1984.
10. Advanced C: Food For the Educated Palette. Computer Science Press, 1985
11. C for Personal Computers. Computer Science Press, 1985
12. Unix Ada Programming. Prentice-Hall, 1986.