



**IEEE
INTELLIGENT NETWORK
WORKSHOP IN '97**

**PROCEEDINGS
Volume 4**



"Meeting the Challenges of Converging Networks and Global Demand"

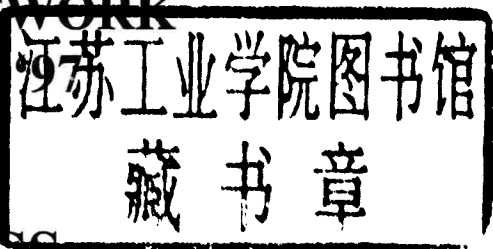
**Opening and Closing Plenaries
List of Attendees**

*Colorado Springs, Colorado, USA
May 4th - 7th, 1997*



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"Meeting the Challenges of Converging Networks and Global Demand"



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Message from the Organizing Committee Co-Chairs

On behalf of the Organizing Committee, we would like to welcome you to IEEE Intelligent Network Workshop IN'97 in Colorado Springs, Colorado, USA, 4-7 May 1997.

We are very pleased to be able to host IN'97 on behalf of IEEE Communications Society. The Committee has worked very hard to assemble renowned speakers and put together an interesting program. There will be ample opportunity for open discussion to propel us into the 21st century.

Our theme *"Meeting the Challenges of Converging Networks and Global Demand"* will bring forth some interesting presentations and is certain to stir up much stimulating discussion.

Colorado Springs, nestled against the eastern slope of the Rocky Mountains and in the shadow of magnificent Pikes Peak, has much to offer for our leisure hours. We have organized several tours on an optional basis.

We have a competent staff to help you make arrangements to meet your workshop and leisure needs. Let us know how we can make your stay a memorable one.

IN'97 has been planned and organized to provide you with an insight into the challenges and opportunities that will face us in the coming years. Attend and be a participant in discussions about tomorrow.



Bichlien Hoang



Sami Syed

Co - Chair, Workshop Organizing Committee



Message from the Technical Program Chair

We are experiencing some phenomenal changes as we end this century. Someone said if you can think or dream it, we will make it happen. I believe this to be true. Every field of endeavor has seen advances but none as awesome as our industry. Every day it seems new announcements are made about new technology or a new service. Each company is striving to meet new challenges.

If it boggles our minds, we who are deeply involved in finding the tools for tomorrow's business world, think how our customers feel. There lies the real challenge! How does our client plan for tomorrow?

Our theme *"Meeting the Challenges of Converging Networks and Global Demand"* will discuss these challenges to meet our clients' needs of tomorrow.

We have received tremendous support from many IEEE members and company representatives. As such, we have assembled a series of presentations, tutorials, papers, exhibits and demonstrations second to none. These visionaries, these experts, these thinkers, these doers, these planners, are all participating in IN'97 to provide us with the information to take tomorrow's challenges and convert them into opportunities. This will be a great opportunity to discuss these challenges from different points of view.

IN'97 will bring together the best of our industry to discuss a variety of problems and challenges that we will encounter in the coming years. We will be discussing our clients' needs and the services to be offered. Can you afford not to be part of the discussion?



Jay Hilton
Chair, Technical Program Committee



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OPENING PLENARY
May 4th 1997

Plenary Session / Guest Speakers:

Member Organizing Committee, **Ron Horn / NORTEL**

Keynote Address, **Vint Cerf / MCI**: *"Looking Beyond the Millenium"*

Roy Myers / IBM: *"IN Enhanced Services Strategy"*

JJ L'Hospital / Lucent: *"IN - Promise and Reality"*

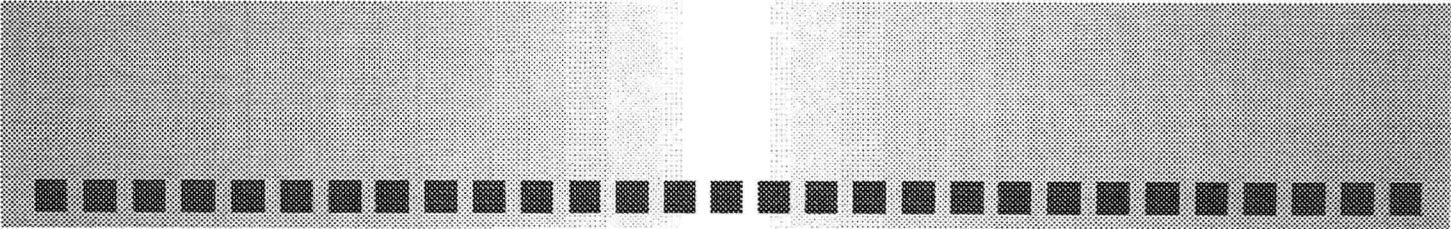
Bob Mitchell / NORTEL: *"IN: Evolving from Vision to Business"*

L. Anne Mardick / USWEST: *"New Product Development Using AIN"*

Ludo Gys / Alcatel Telecom: *"Service Creation, A Global View"*

Richard A. Orriss / Bellcore: *"An Integrated Framework for Global Service/Interoperability"*

Colorado Springs, Colorado, USA



Looking Beyond the Millenium

**Vinton G. Cerf
Senior VP,
Internet Architecture, MCI**

Life Lesson #113

Friends may come
and go, but enemies
accumulate.



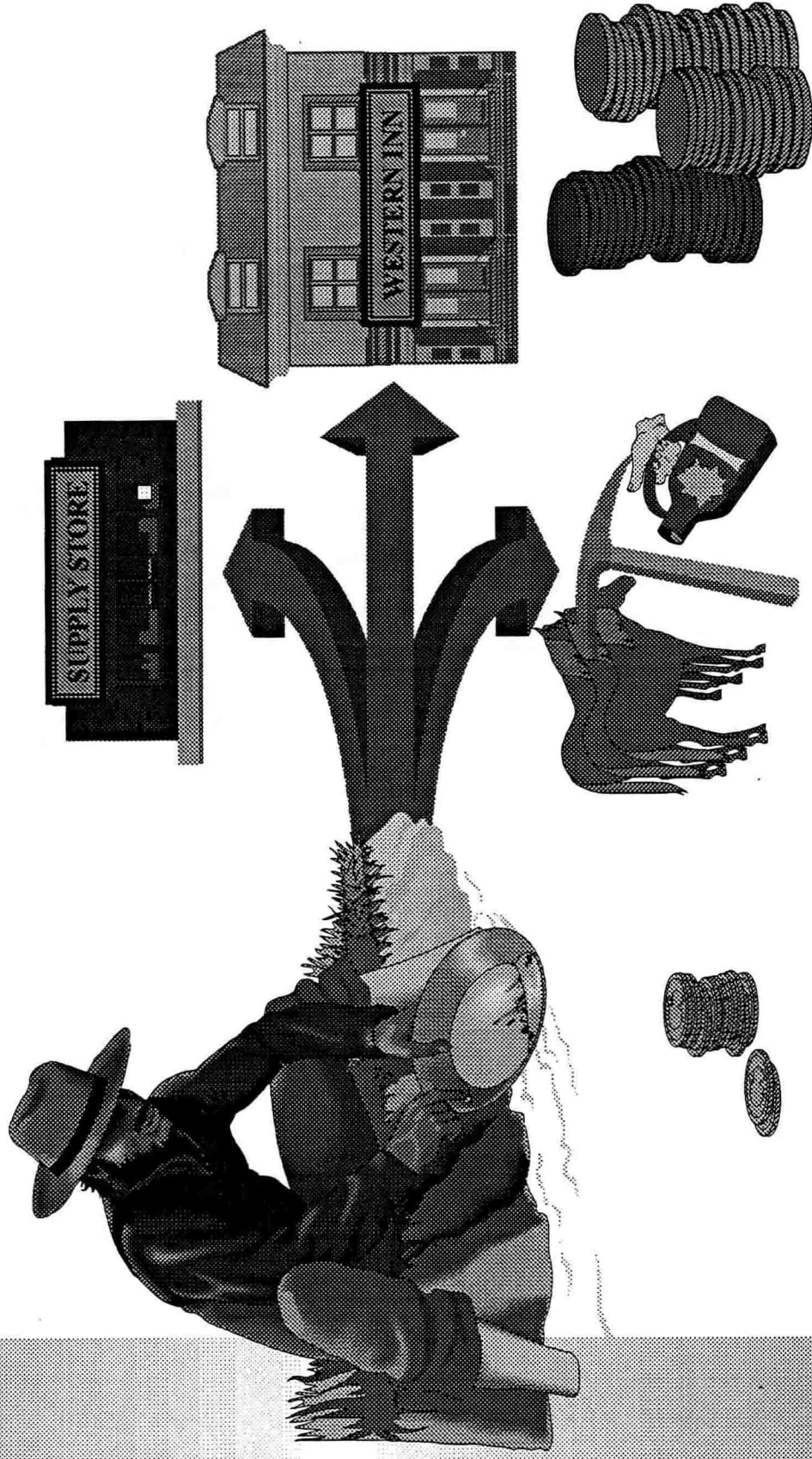
**I wish
I were
8 years old**



Life Lesson #101

Indecision
is the
key to flexibility.

PUBLIC INTERNET “GOLDRUSH”



Life Lesson #127

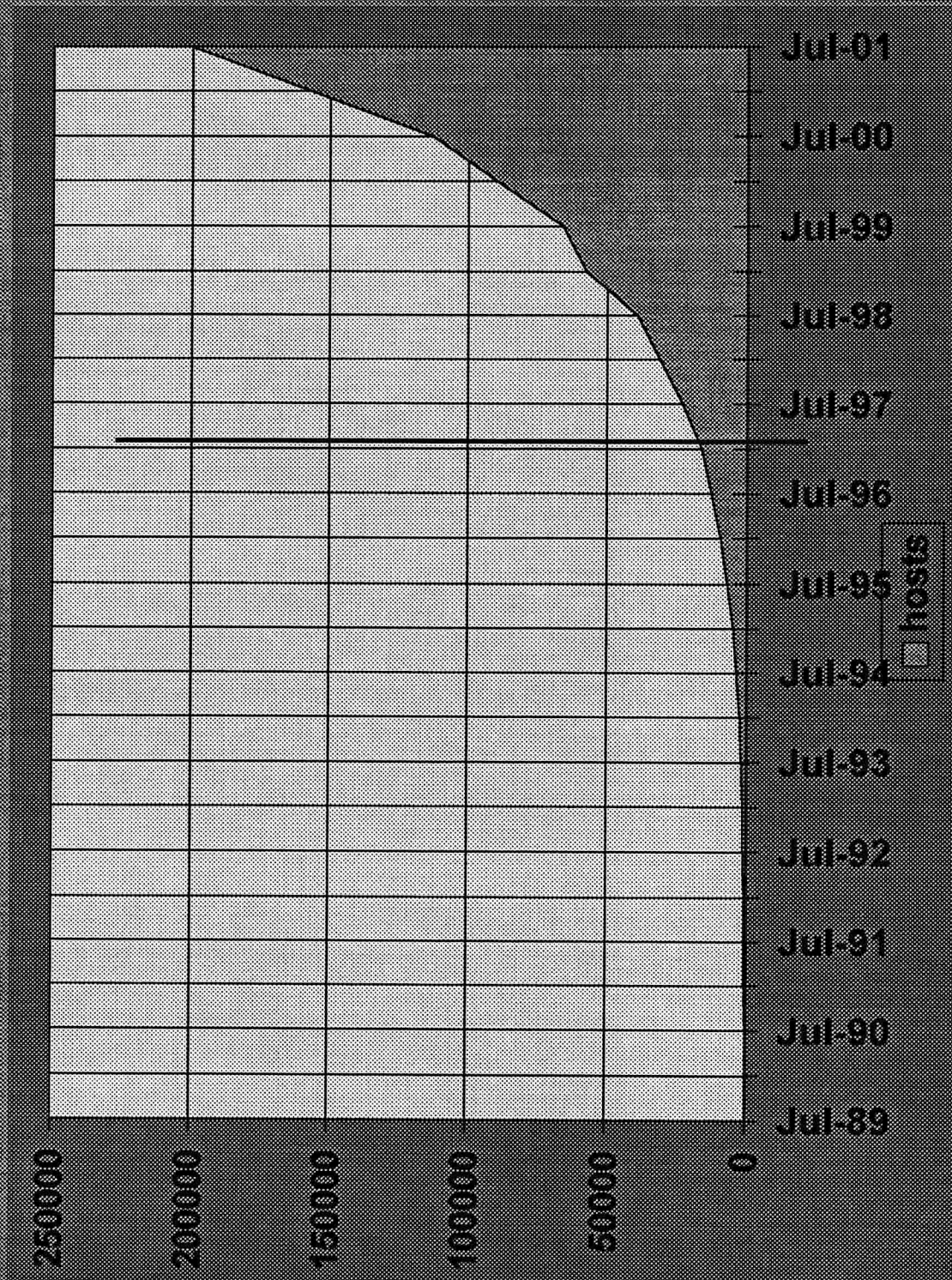
This is the Internet;
there are no
financial models!

- Ted Leonsis, Pres. AOL

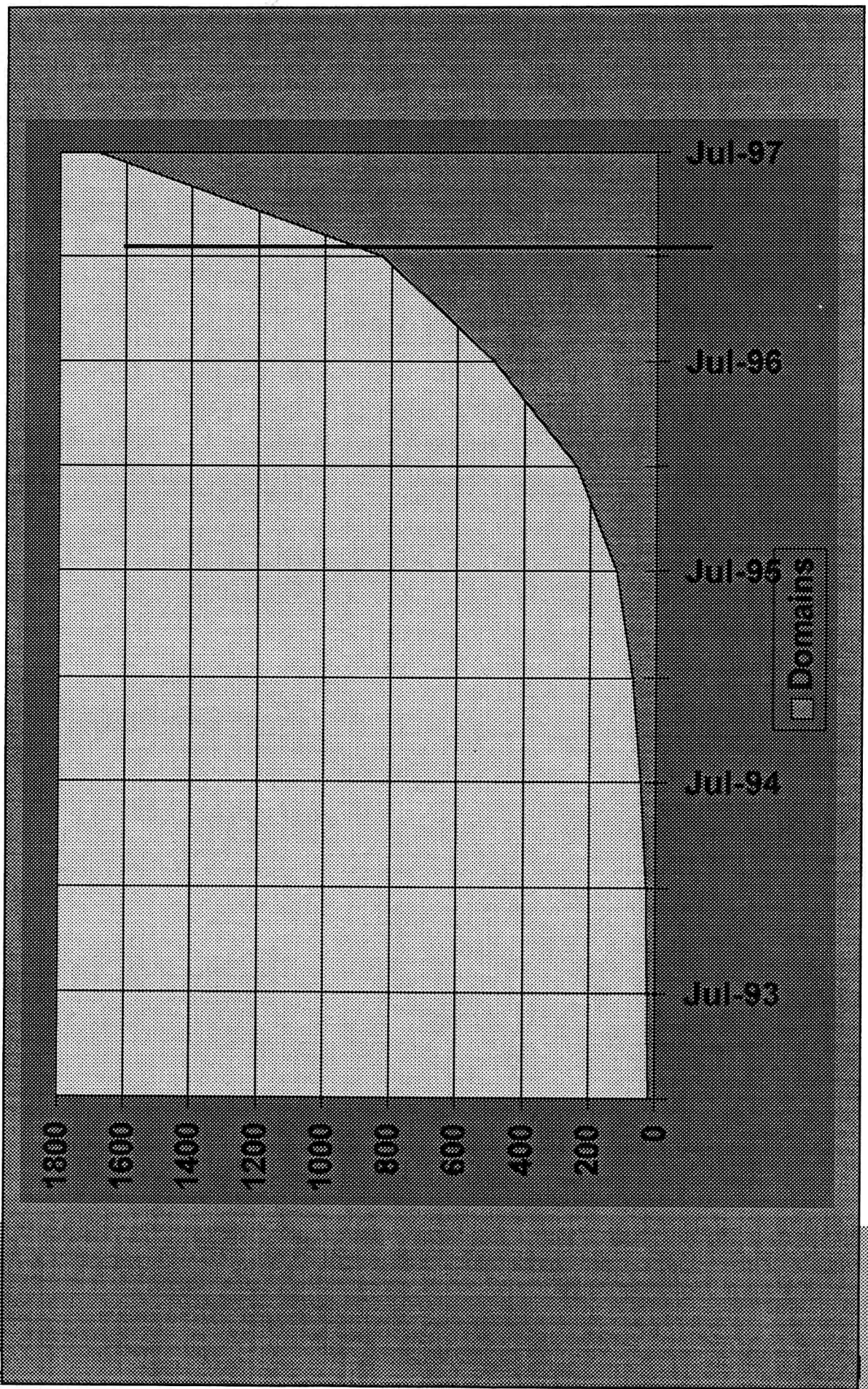
Internet - Recent Statistics

- 828,000 Domains (Lottor Jan 97)
- 16,146,000 Hosts (Lottor Jan 97)
- 134 connected IP countries (Jun 96)
- 35 Million Users (Jul 96)
- E-mail to 186 countries (Jul 96)

Internet Host (000s) 1989-2000



Internet Domains (000s) 1993-1997



Annual Host and Domain Growth Rates

