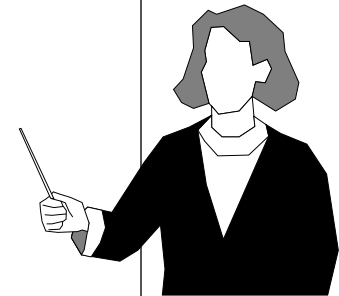


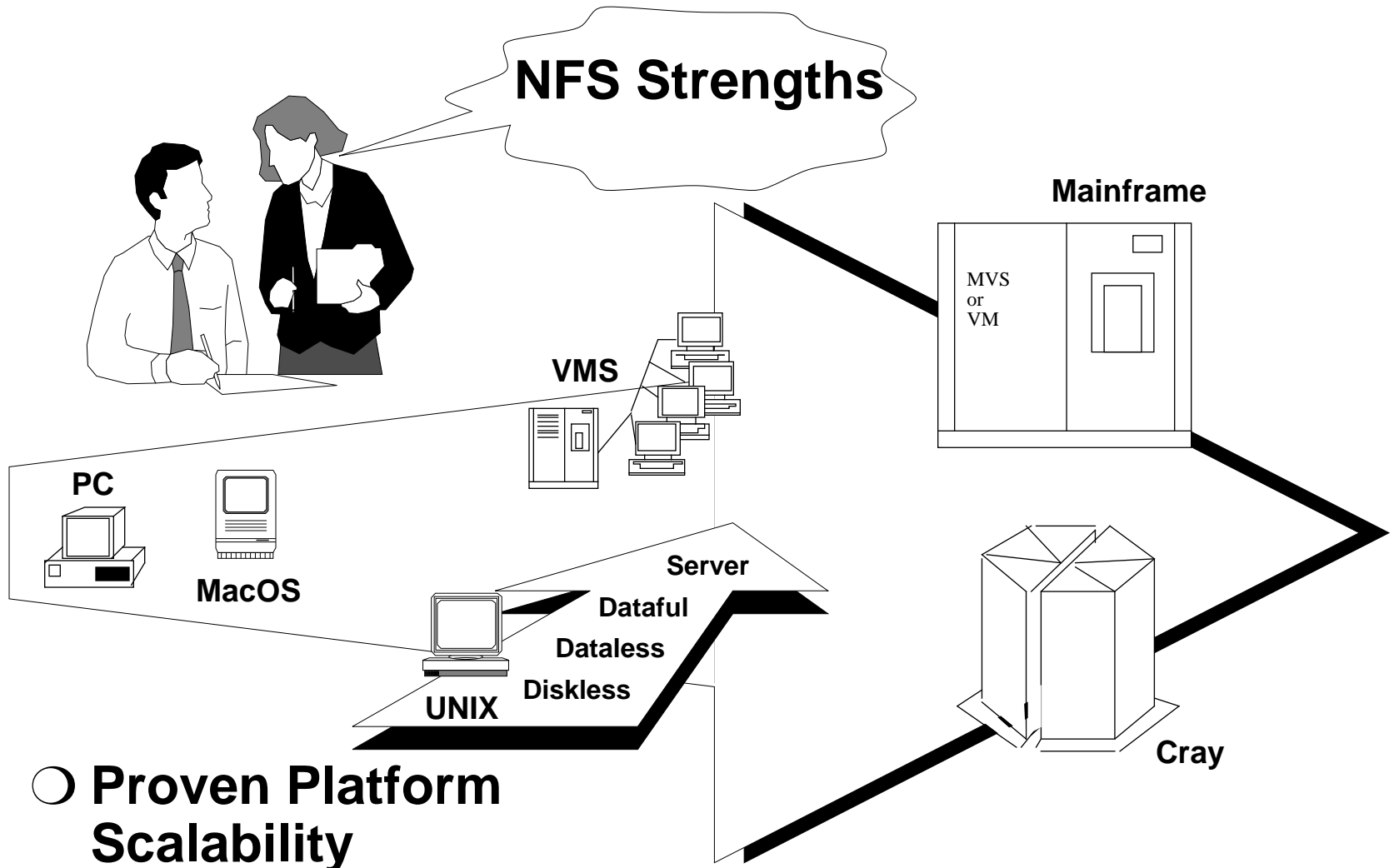
The Network File System: Targeting the 1990's

Brian Pawlowski
bpawlowski@eng.sun.com

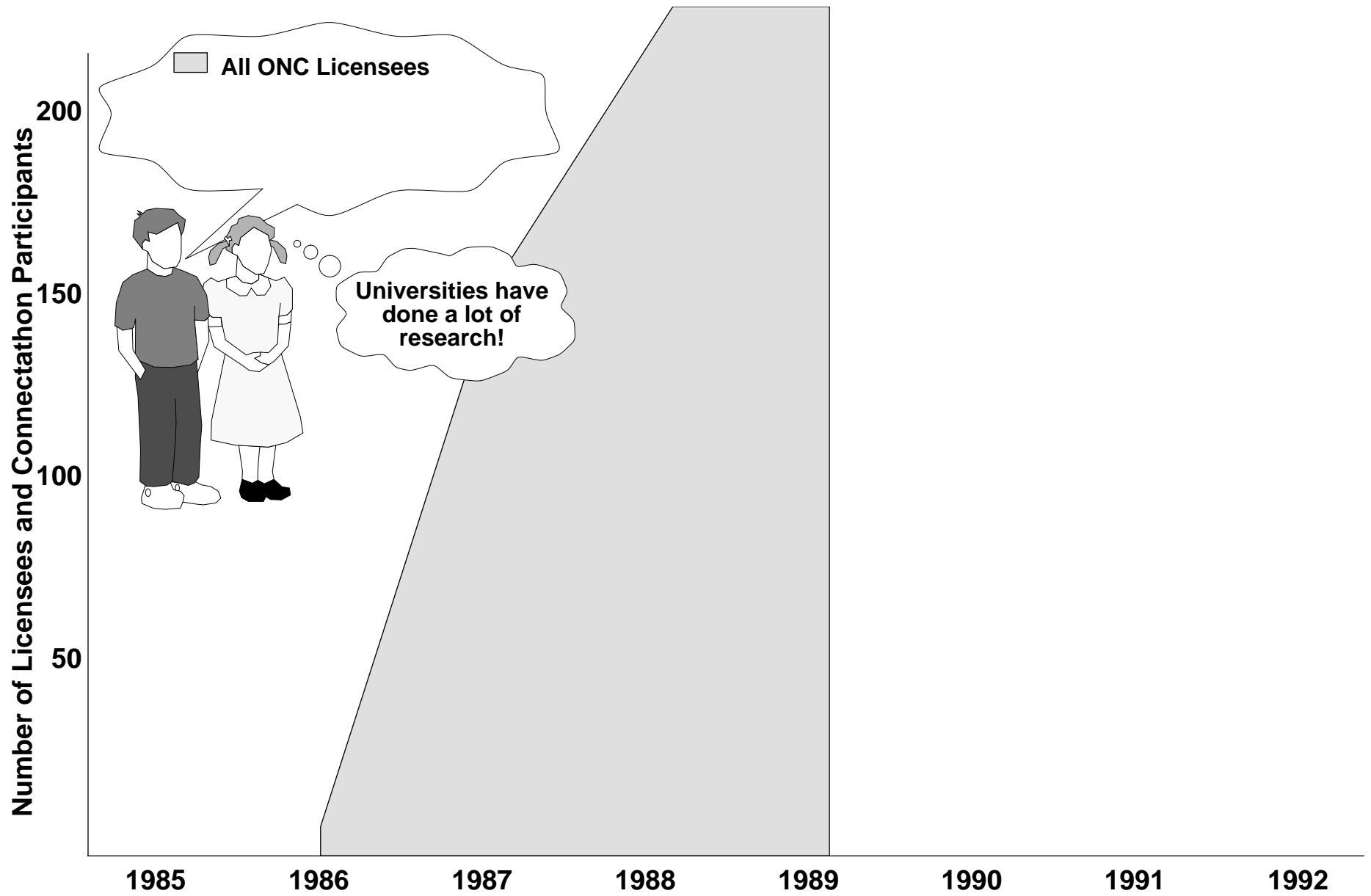
Distributed File Systems: Some of the Challenges for the '90's

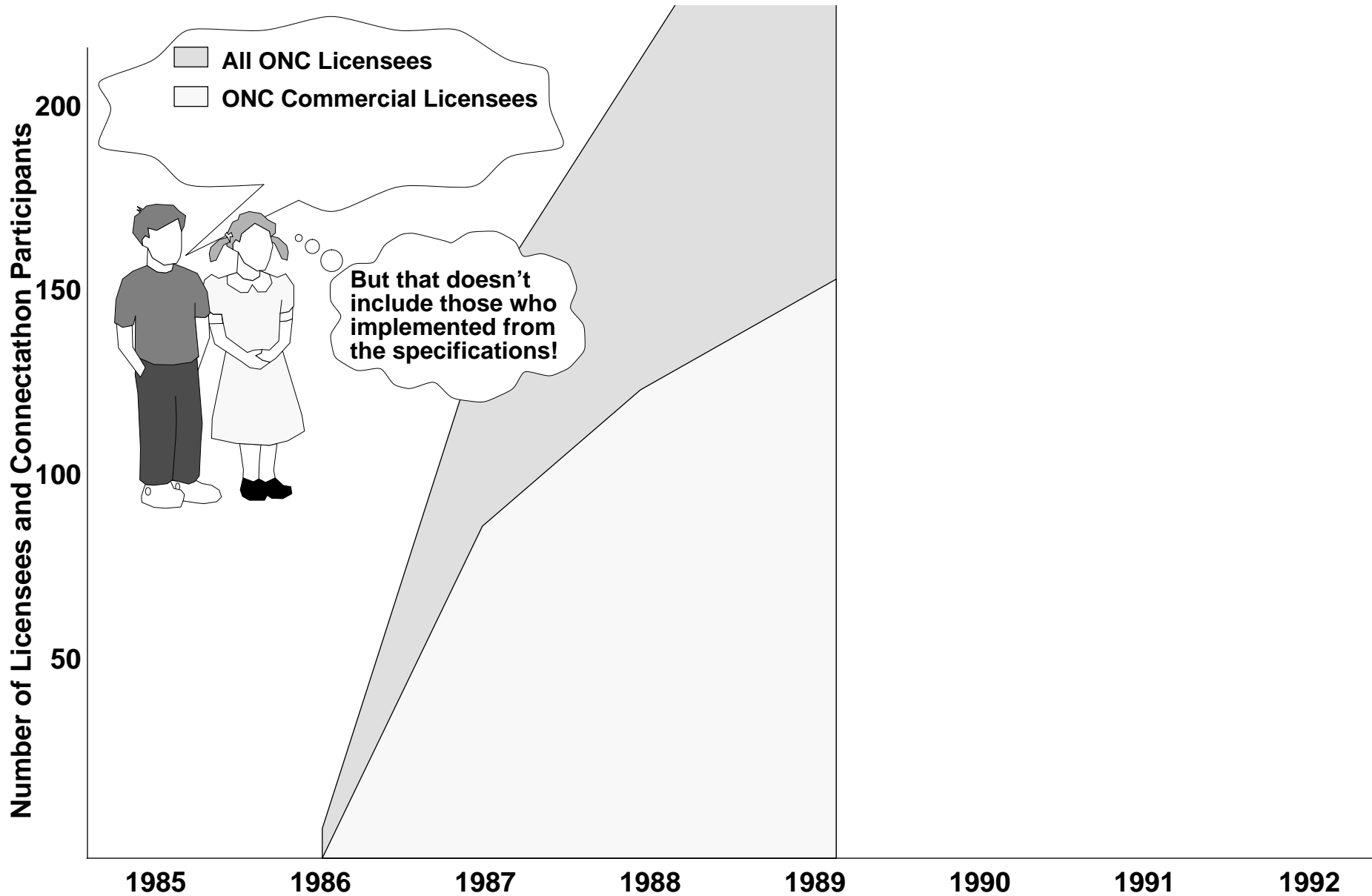
- Ease of Use**
- Administration**
- Seamless Integration**
- Multivendor Platform Connectivity**
- Authentication**
- Scalability and Performance**
- Wide Area File Sharing**
- High Speed Networks**

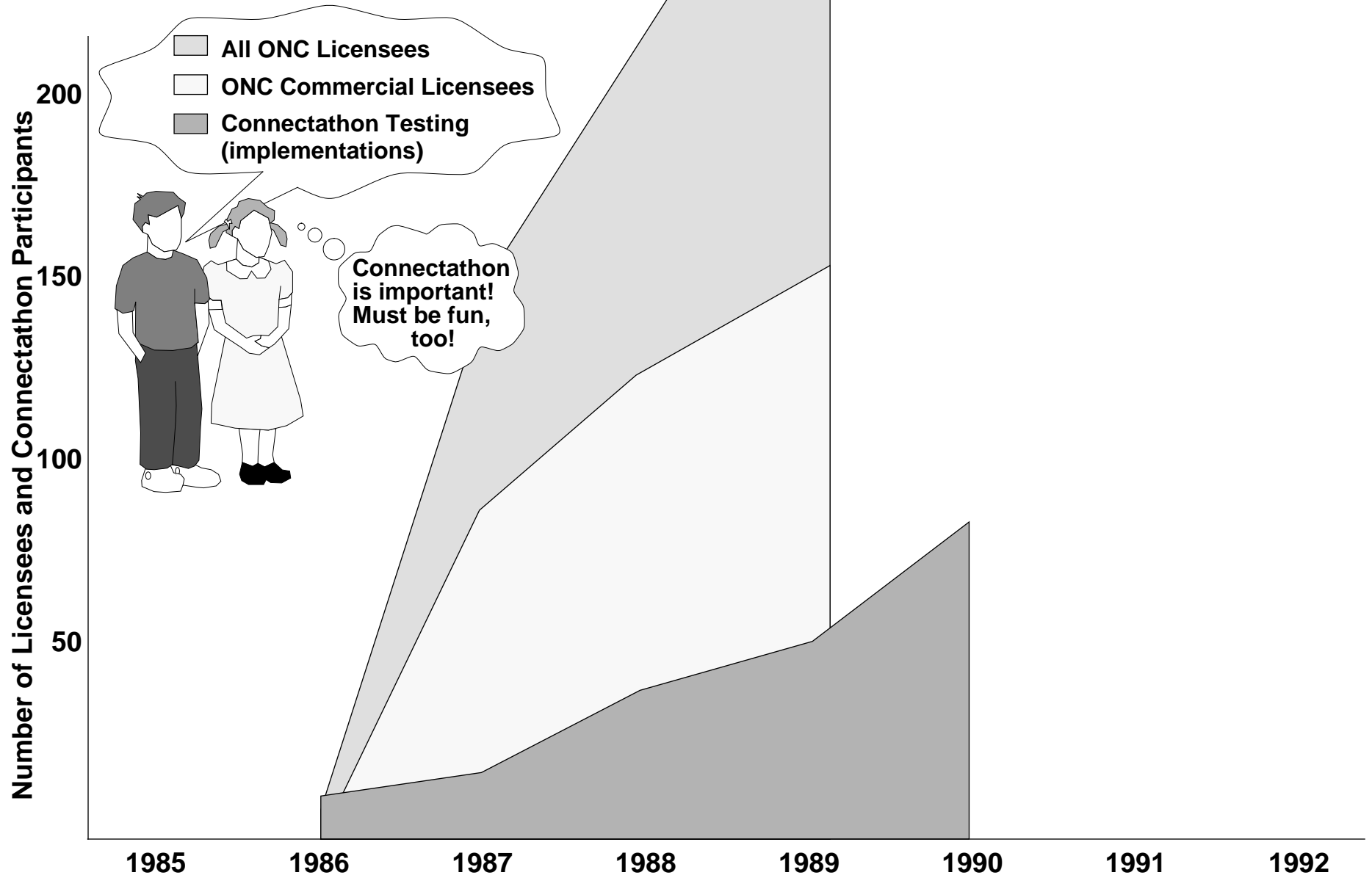


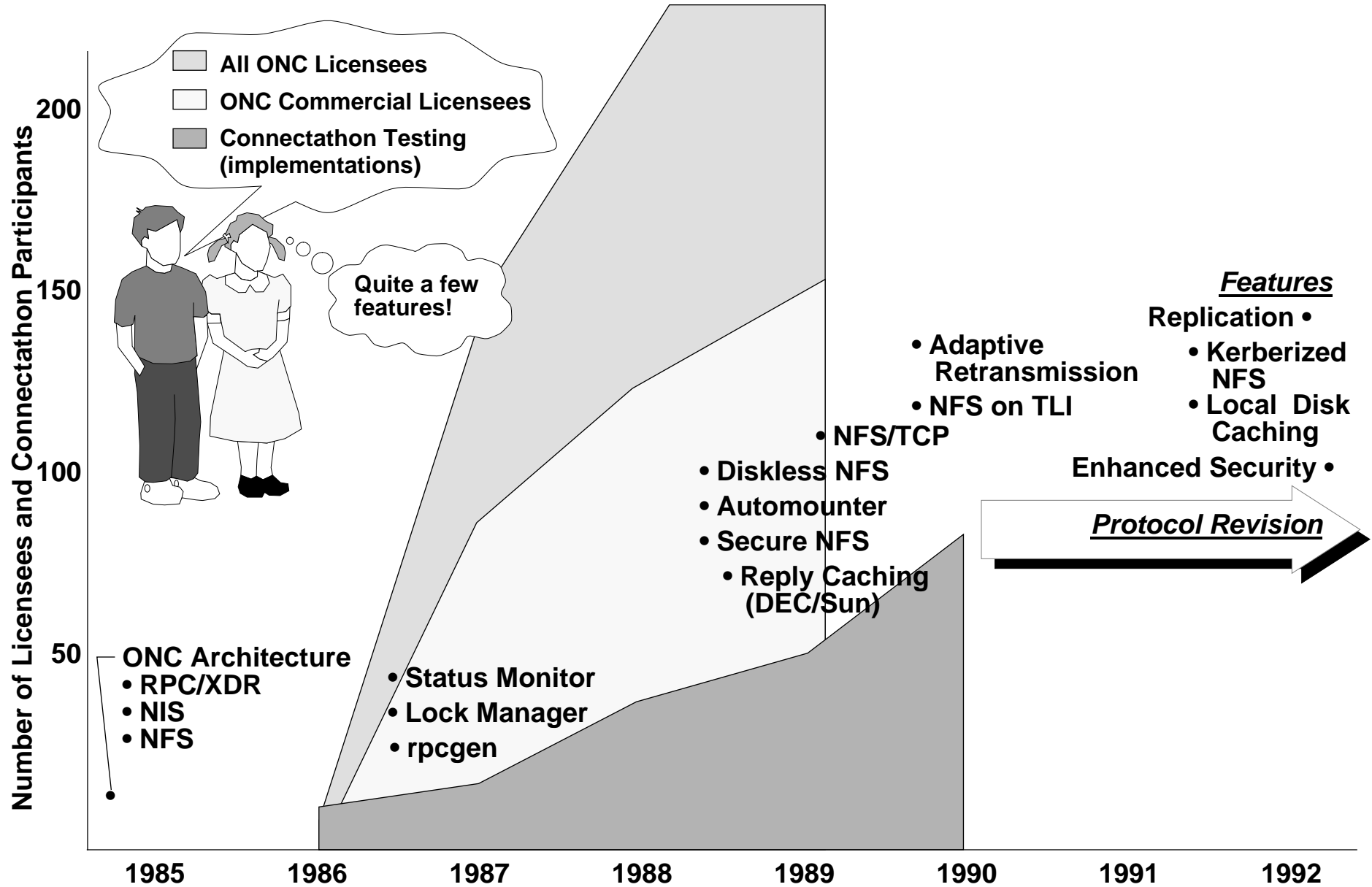


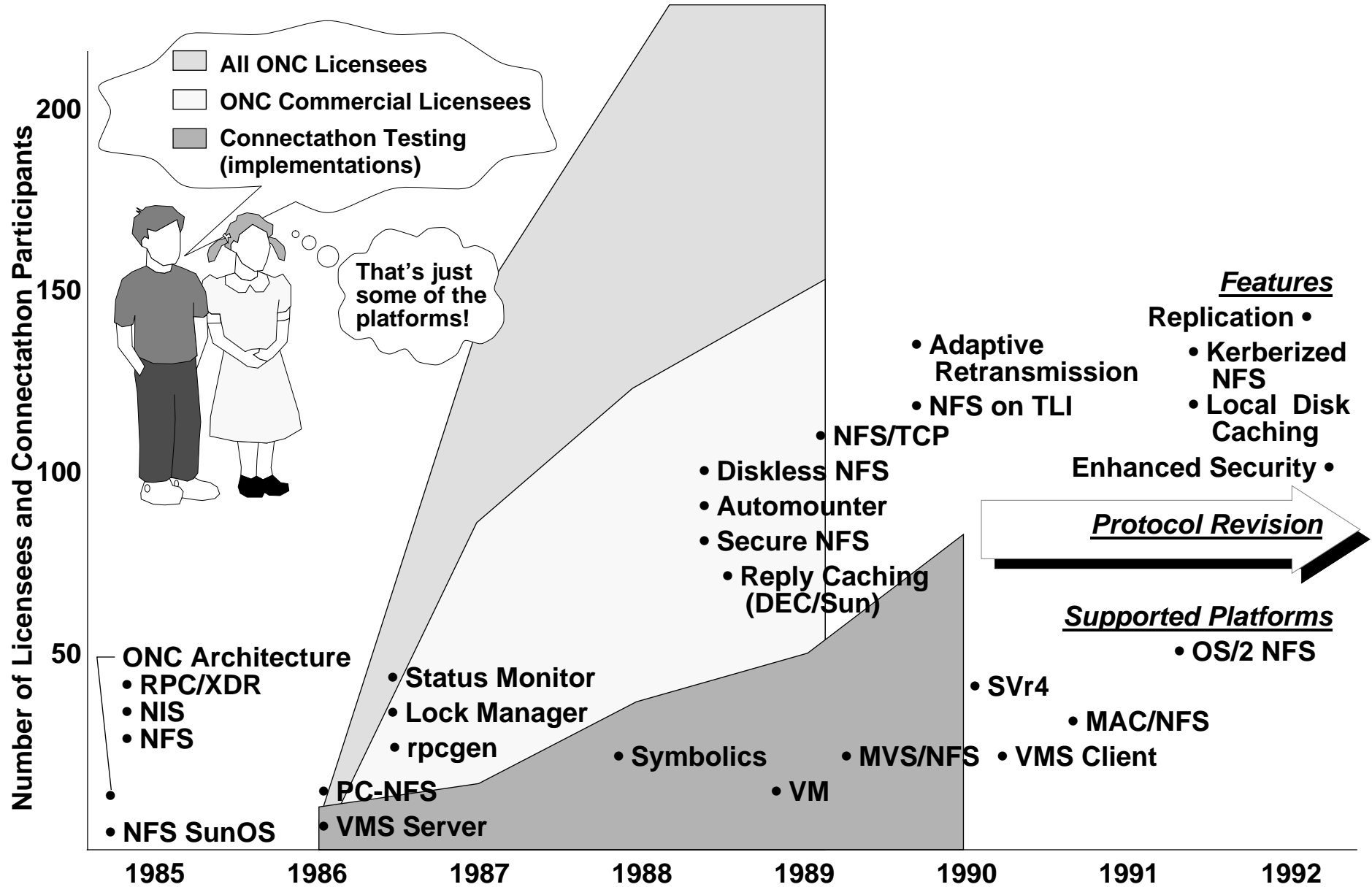
- **Proven Platform Scalability**
- **Operating System Independence**

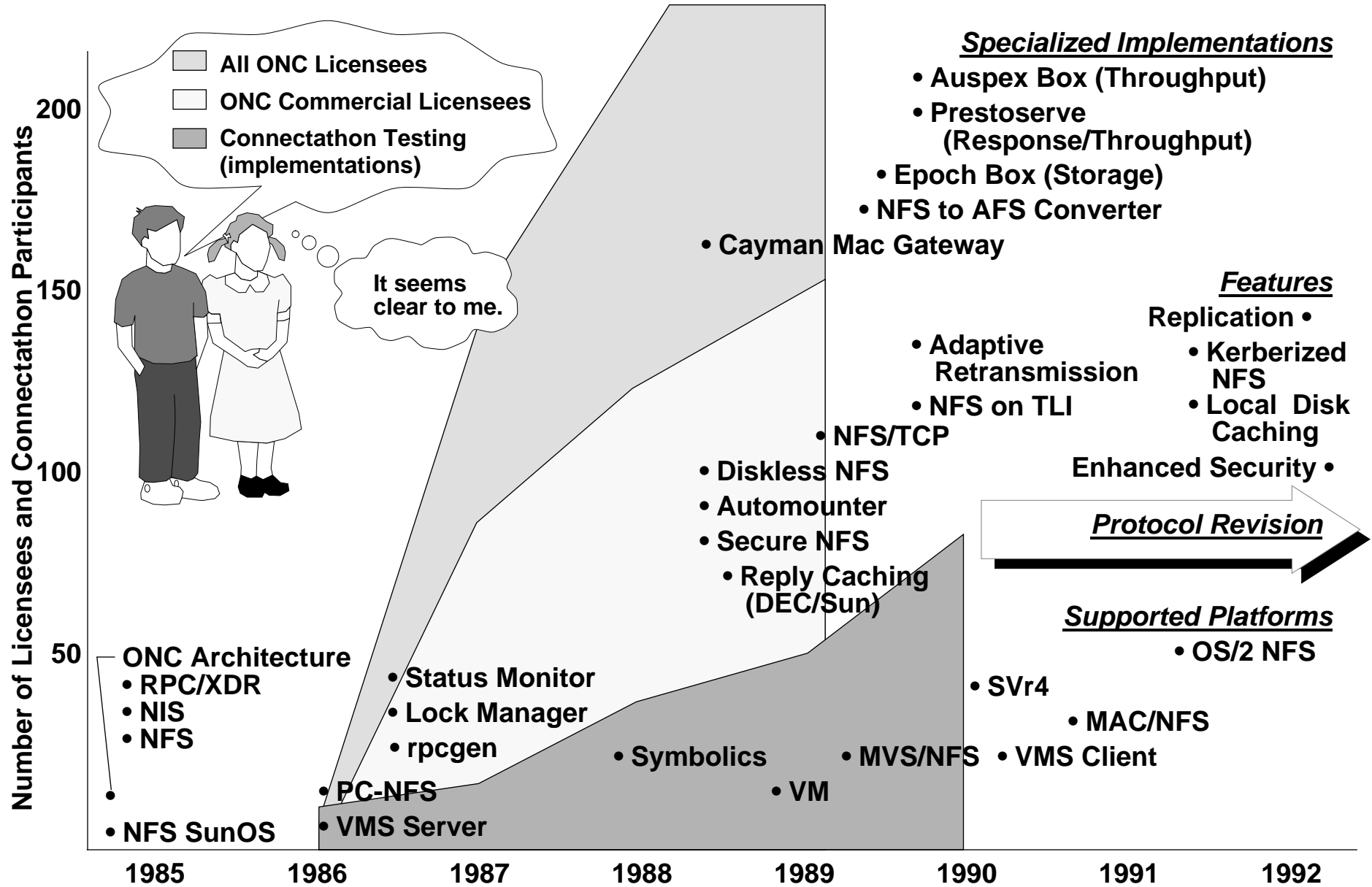






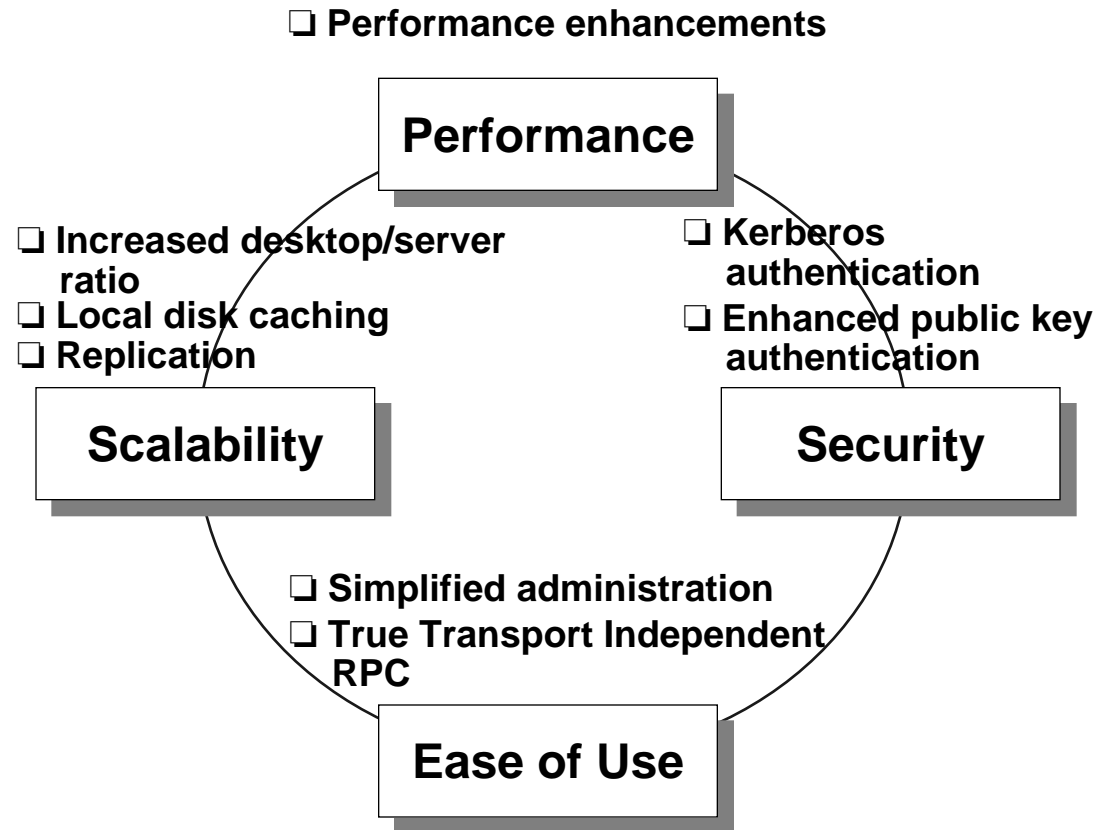
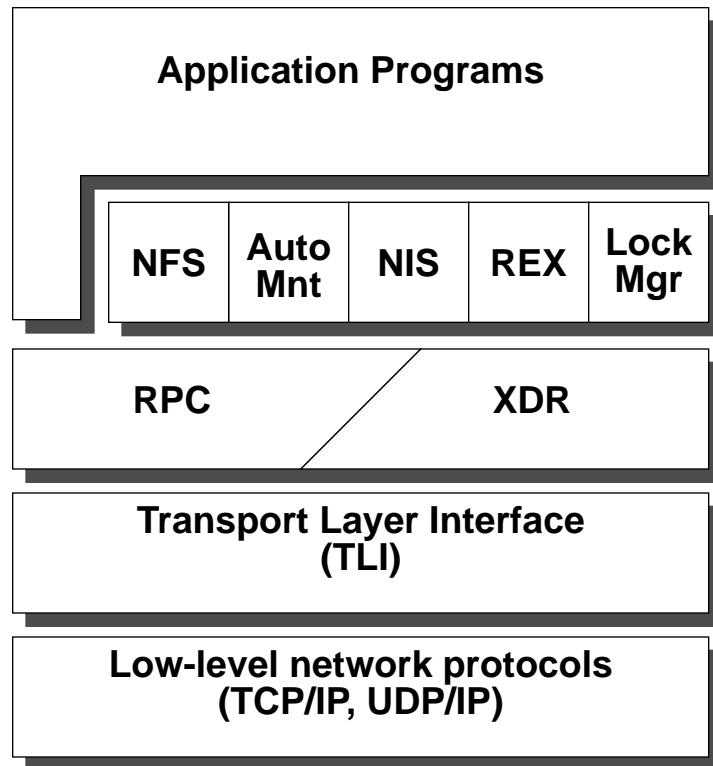






ONC Road Map Overview

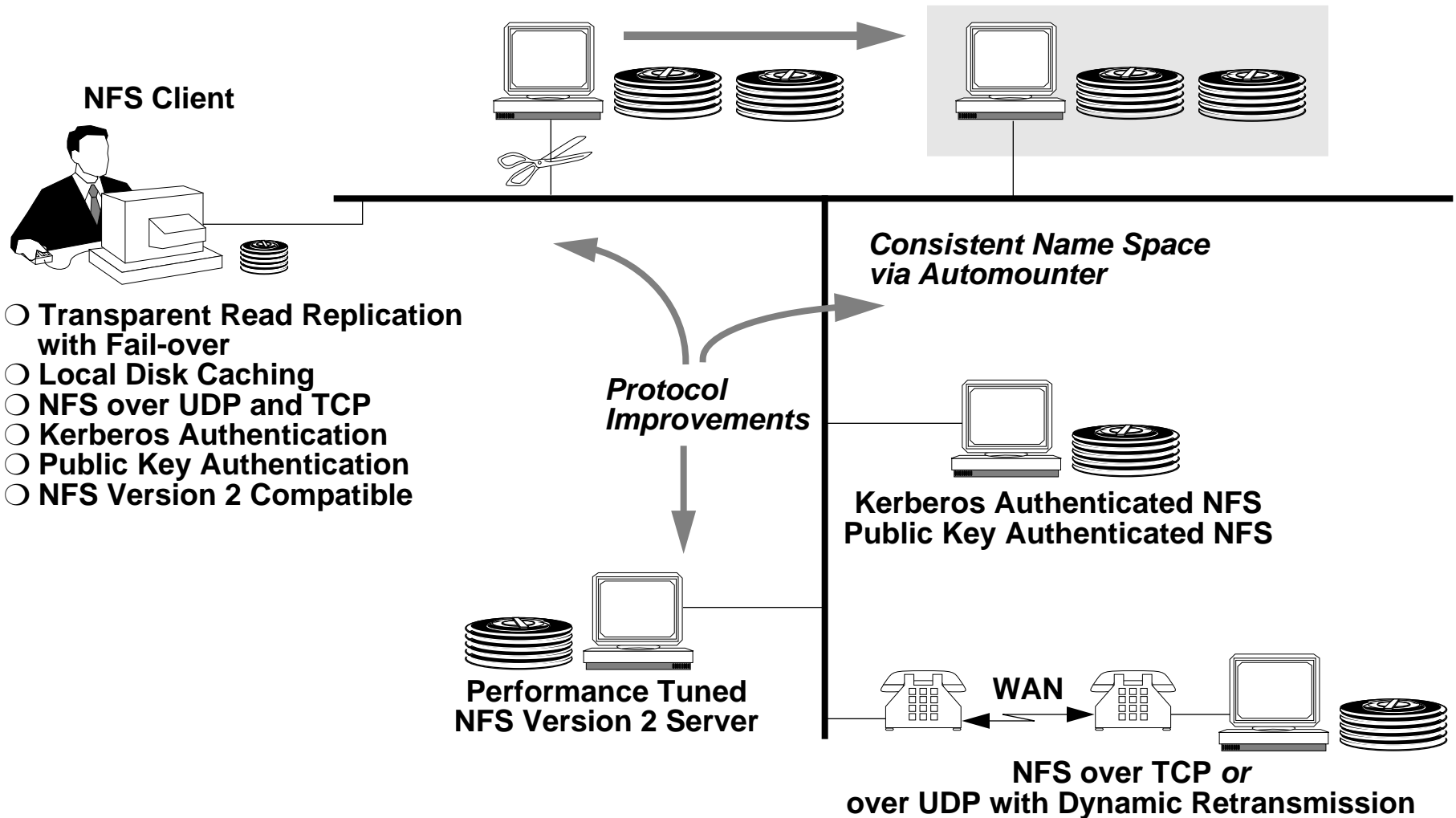
Adding Functionality, Performance



Compatibility with existing platforms is a primary consideration. Leverage investment and installed base of NFS with new technology.

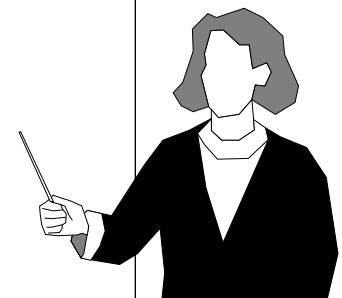
The NFS Network in 1992

Replicated NFS Servers (Read-only)
NFS Version 2 Compatible



Industry Challenges for NFS

- **Network Administration of Data and Configuration**
- **Standardization**
 - ▣ **Propagate New Features to Existing Platforms**
- **Current Directions**
 - ▣ **Enhanced Authentication**
 - ▣ **Additional Improvements to NFS Scalability**
 - ▣ **Increased Performance**
 - ▣ **High Speed Network Exploitation**



NFS Will Continue to be the Distributed File System of Choice in the '90's

**No matter where you go,
there NFS is.**

**And I am
outahere.**

