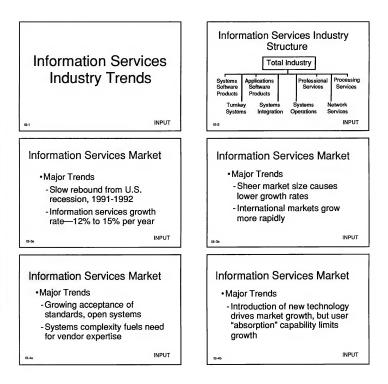
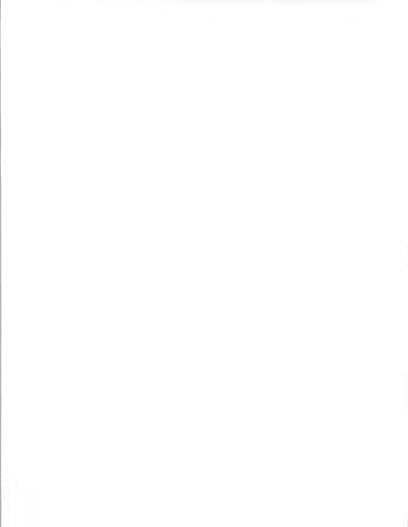
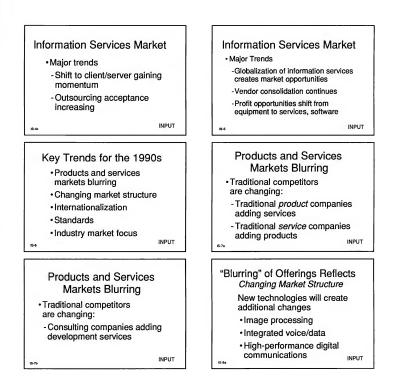
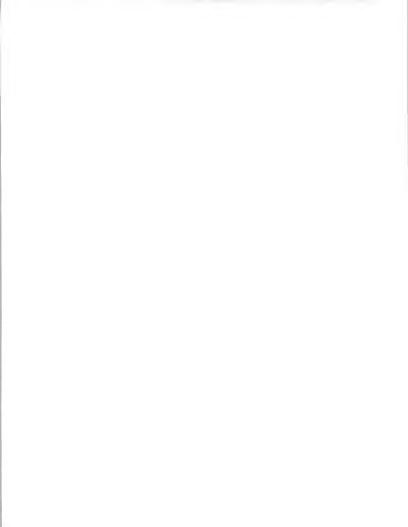
# 7. INFORMATION SERVICES INDUSTRY TRENDS (15)

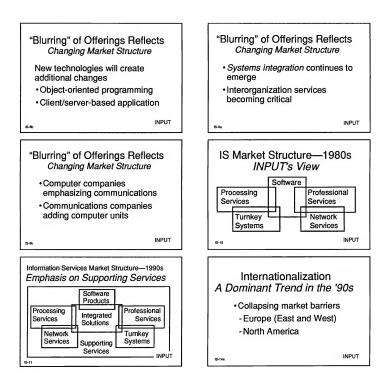


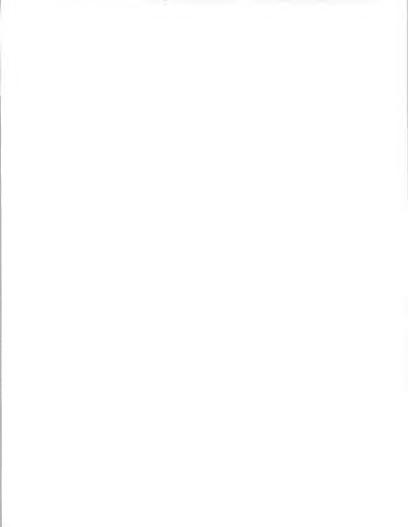


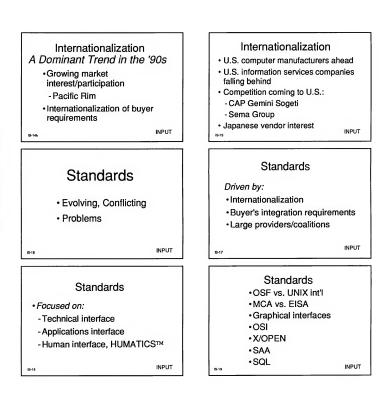


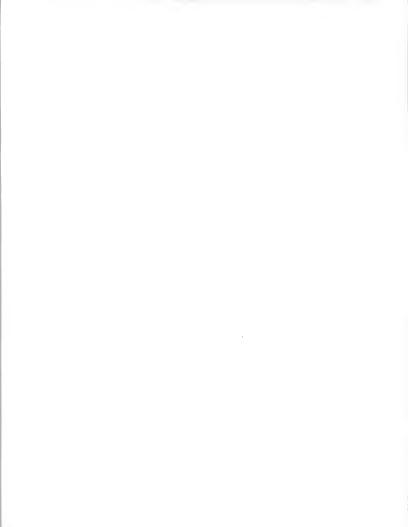


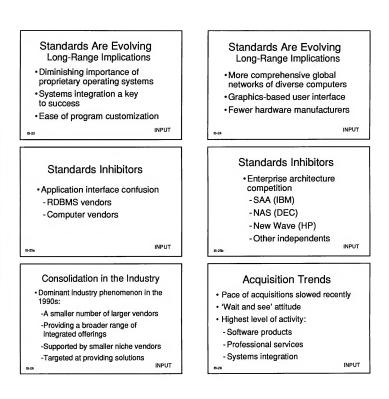


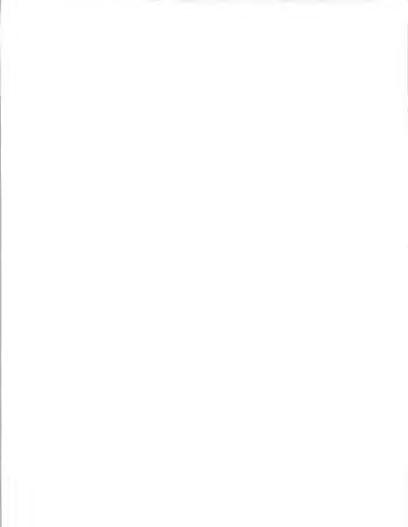


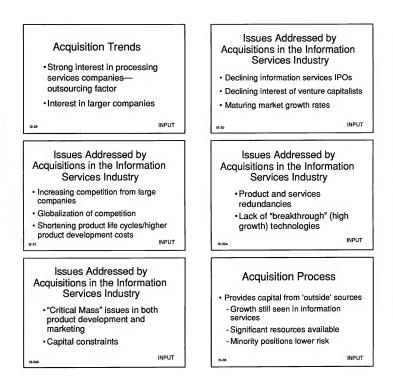


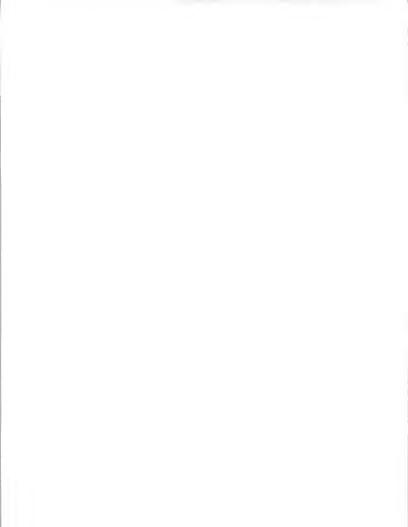


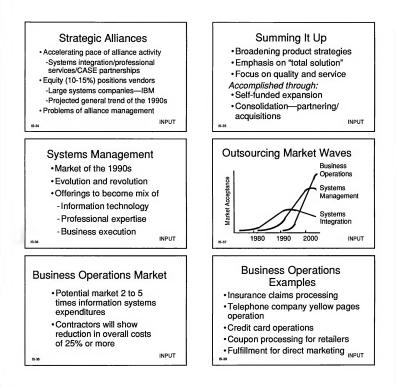


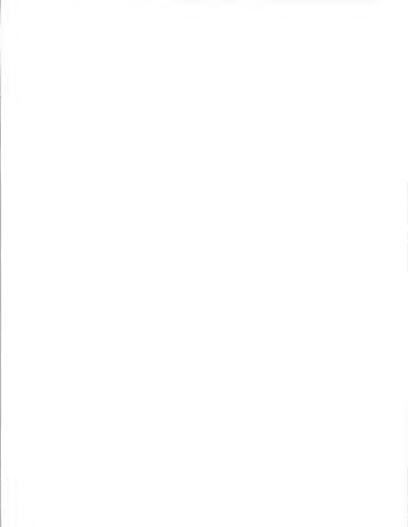












# U.S. IS Industry Conclusions

- · Slower growth in near term
- · Shift to broad-based services zones
- · Large services vendors grow fastest
- Software products—turmoil continues

INPUT

Information Services Industry, 1980 vs. 1990		
Difference	Implication	
Willingness to outsource operations	Processing services shifts to systems operations	
More technological alternatives	More services required to integrate	
5-42	INPUT	

### Information Services Industry—What It Does

Provides services and products to develop, implement and operate information technology-based systems.

15-44

15-40

INPUT

## Information Services Industry, 1980 vs. 1990

Difference	Implication
Five times as big	Slowing growth
Many large vendors	Consolidation and dominance
Stronger vendors	Greater reliance by user
15-41	INPUT

## Information Services Industry, 1980 vs. 1990

Difference	Implication
Greater variety of services Worldwide	Changing distribution channels Breadth and complexity
orientation	of service offerings
Many small vendors	Alliances to succeed
15-43	INPUT

#### Processing Services/ Systems Operations

- 24% of industry
- · Alternatives to internal investment
- Specialized services—payroll
- Services to specific industries banking
- Worldwide capabilities desirable

15-45





- 8% of market
- Network applications—services that link organizations
  - Electronic data interchange
  - Electronic mail
  - Network management
  - Foundation for electronic commerce

13-46

## Professional Services/ Systems Integration

- 23% of industry
- · Alternative to internal employment
- Access to skills & technology
- Solutions oriented services
- Developer of IT skills for U.S.

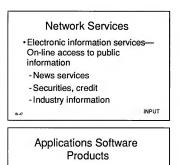
S-48

INPUT

#### **Turnkey Systems**

- 10% of market
- Software plus hardware purchase
- Channel for applications software products
- Vendors add professional services

INPUT



- 18% of industry
- · Products to manage a business
- Products to improve personal productivity

INPLIT

INPUT

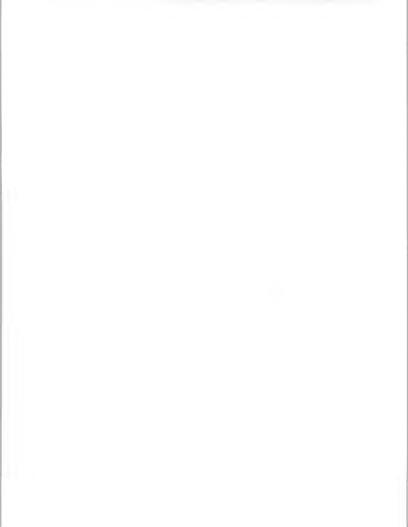
International markets

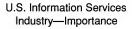
\$-49a

#### Systems Software Products

- 16% of industry
- Tools that support computer operation
- Products to create application systems
- Basis for U.S. leadership

IS-50



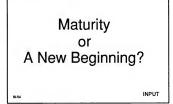


- International leadership
- •Outgrows the economy-2 to 3 times
- · Developer of people skills
- Source of competitive strength

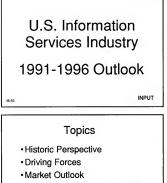
INPUT

18-5

U.S. Information S Industry	Services
Sector	No. of Companies
Processing services/ Systems operations	3,500
Network services	500
Total	11,200
15-526	INPUT



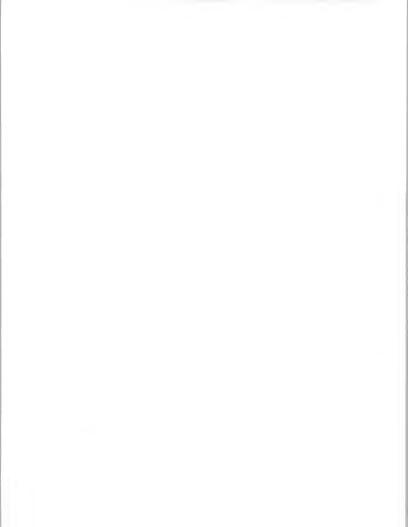
#### U.S. Information Services Industry Sector No. of Companies Software products 2,900 Turnkey systems 2,500 Turnkey systems 2,500 Typofessional services/ Systems integration

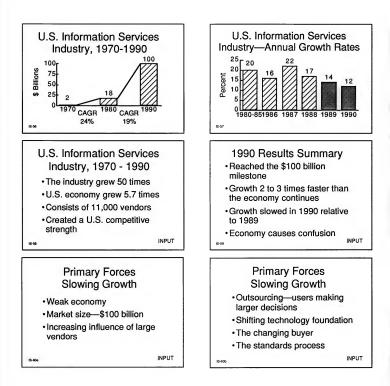


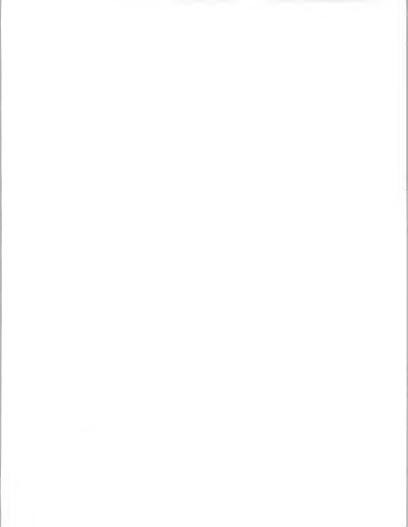
· Opportunities and Conclusions

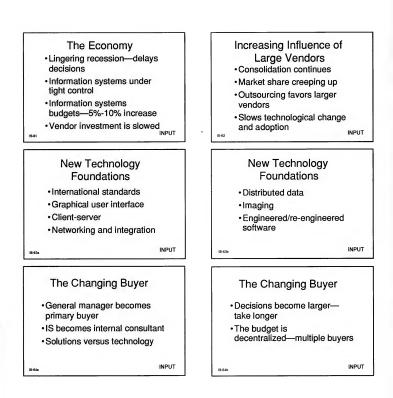
INPUT

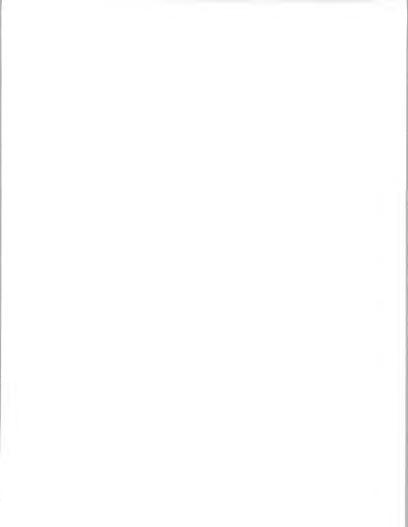
18-55

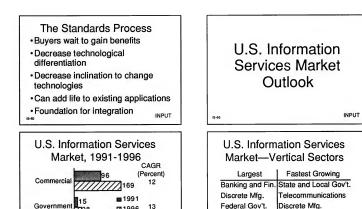




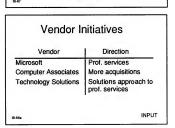








13 1996



0 100 150 200 \$ Billions

Government

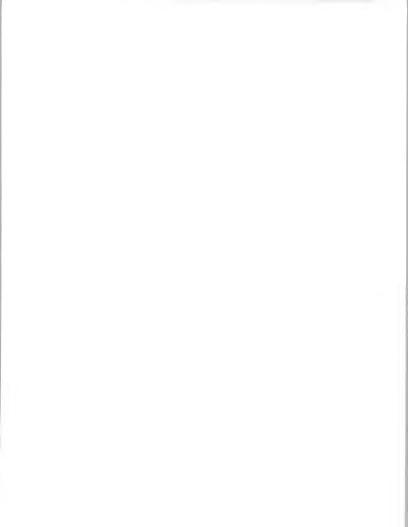
Ver	ndor	Direction
IBM/	DEC	Profitability measurement for sales
NCR		Broaden prof. services
UNIS	SYS	Commercial prof. services

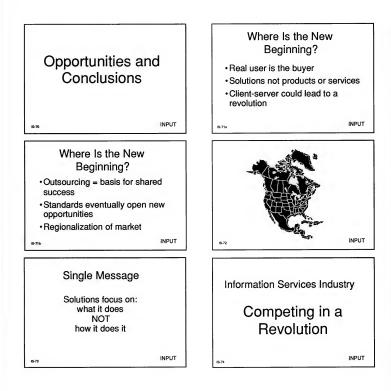
Retail Distribution

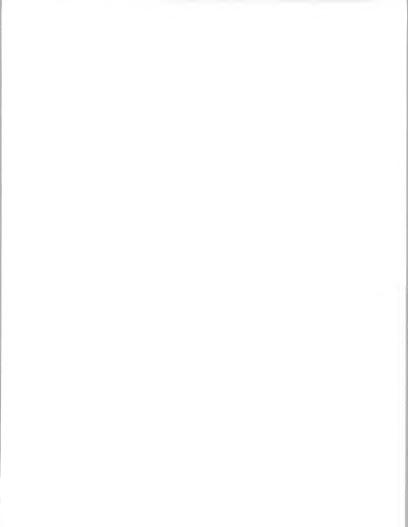
INPUT

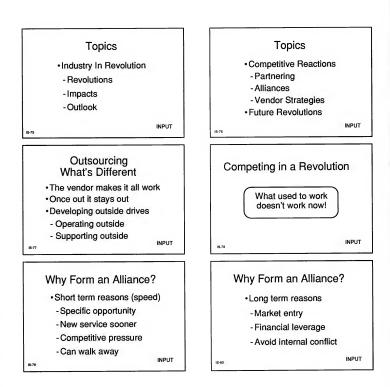
Process Mfa.

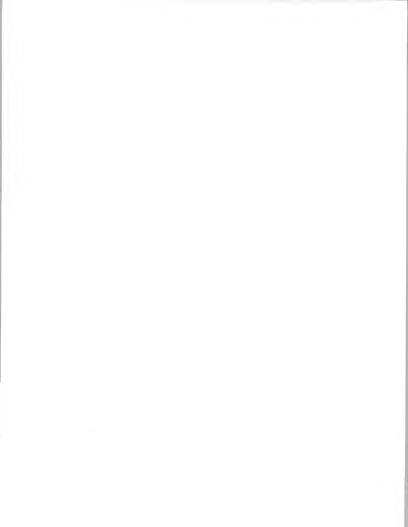
0.44

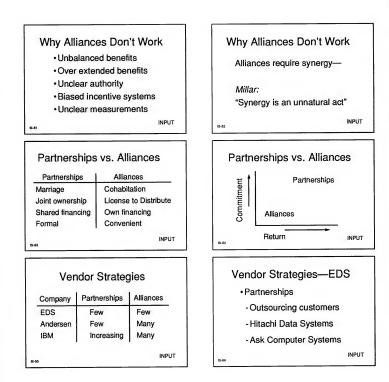


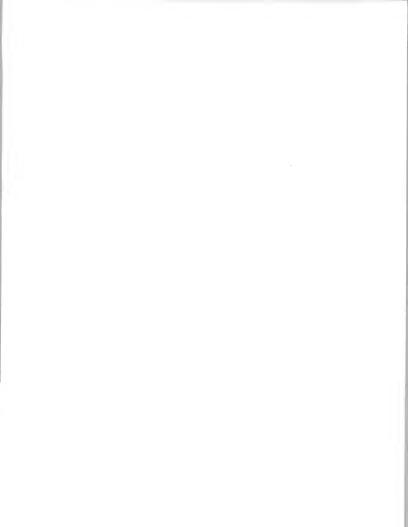


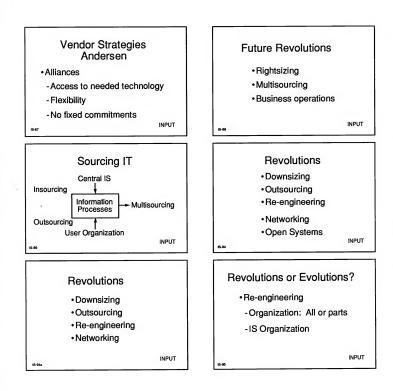


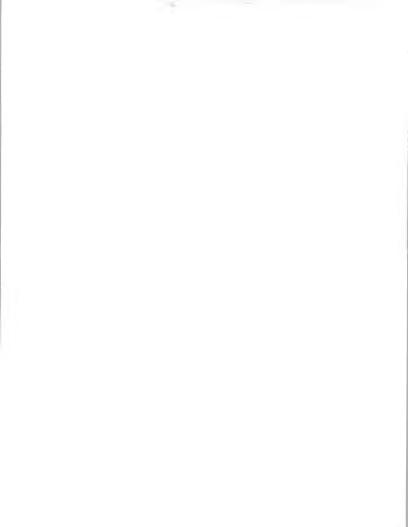


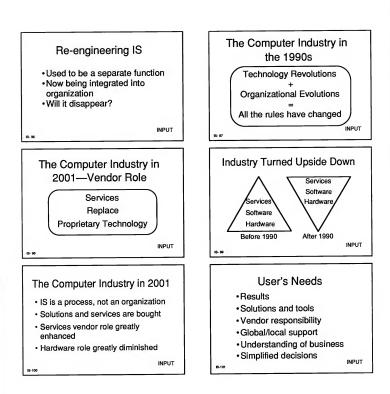


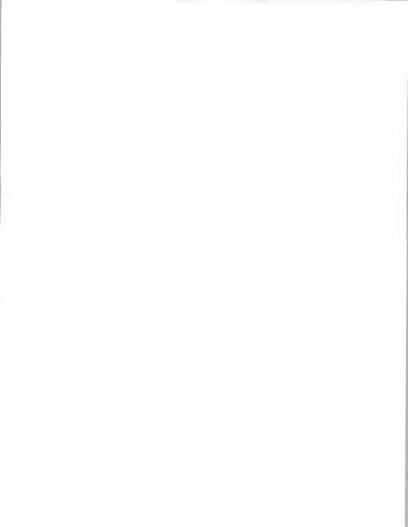


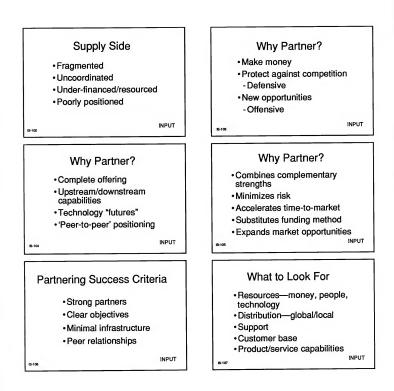


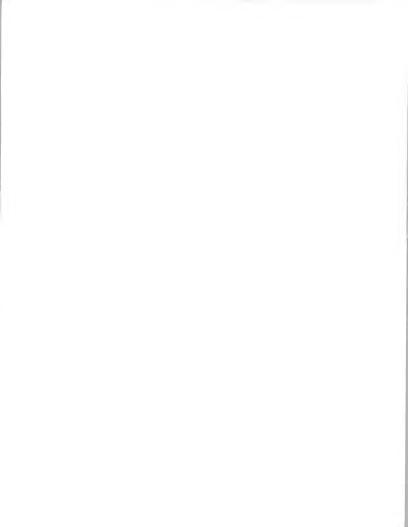


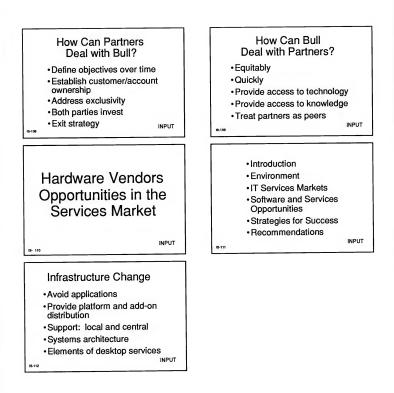












20

