

# Information and Communication Technology: A MOTIVATION

# MOTIVATION



presented by: **Rhiza S. Sadjad**

[rhiza@unhas.ac.id](mailto:rhiza@unhas.ac.id) <http://www.unhas.ac.id/rhiza/>

## Question # 2



**# 2. Why should we (the language teachers) study ICT?**

**Today .....**

**From Hiroshima-Nagasaki  
to WTC 911, .....**

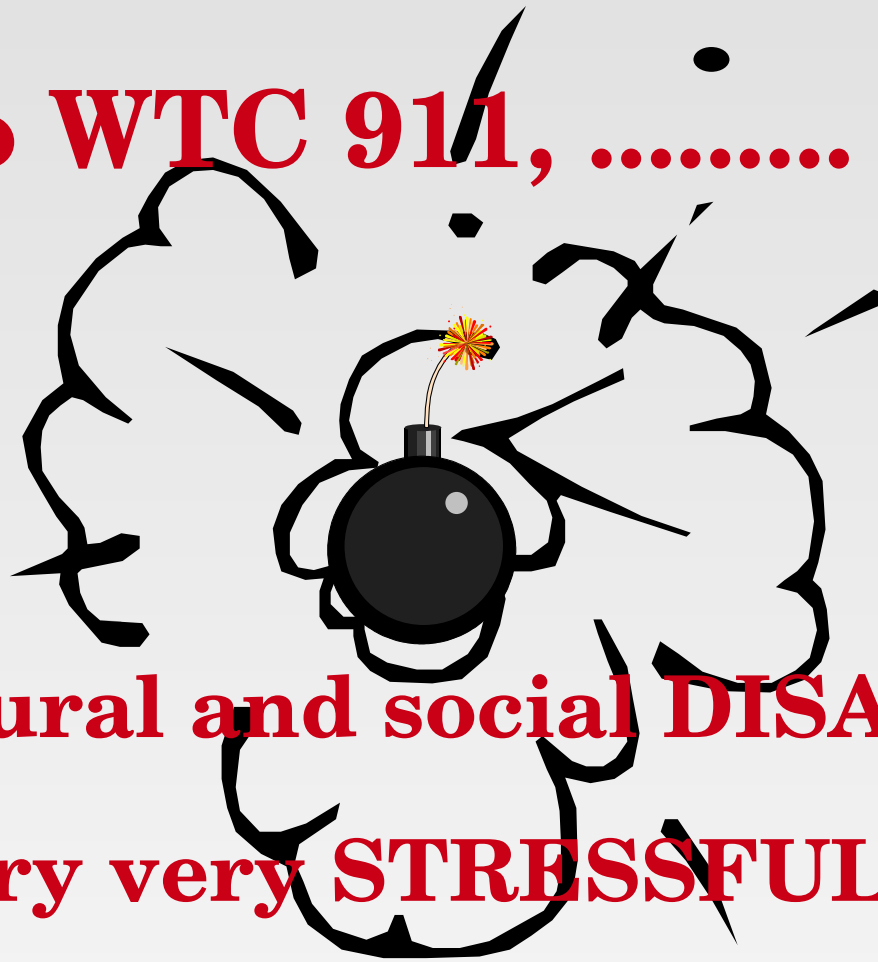


**to WTC 911, .....**

**..... natural and social DISASTERS**

**..... a very very STRESSFUL**

**world of TODAY !**



# The FUTURE of our EARTH.....?





# The HISTORY of CIVILIZATION

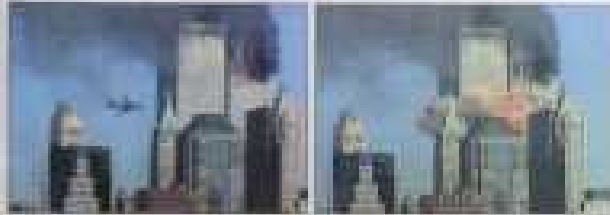
## The History of Civilization

The ERA of	THE CENTRAL Issue	Historical Events
Agriculture	Land	Social Revolution and Independence
Industry	Energy	HIROSHIMA NAGASAKI
INFORMATION	Information	WTC 911

TUESDAY, SEPTEMBER 11, 2001

# Terror Attack

## Hijacked Jets Fly Into Trade Center, Pentagon



### Timeline of Terror

9:03 a.m. American Airlines Flight 11, a Boeing 767-300ER, is hijacked by four men posing as passengers. The plane is headed for the World Trade Center in New York City.

9:37 a.m. United Flight 175 is hijacked by four men posing as passengers. The plane is headed for the World Trade Center.

9:58 a.m. American Airlines Flight 11 strikes the North Tower of the World Trade Center, 110 stories above the ground.

10:03 a.m. United Flight 175 strikes the South Tower of the World Trade Center, 110 stories above the ground.

10:28 a.m. The Pentagon is struck by a hijacked Boeing 767-300ER, American Airlines Flight 77, 125 miles from Washington, D.C.

10:38 a.m. The fourth hijacked plane, a Boeing 767-300ER, crashes in a field near Shanksville, Pa.

10:43 a.m. The World Trade Center towers are evacuated.

10:58 a.m. The Pentagon is evacuated.

11:03 a.m. The World Trade Center towers are evacuated.

11:18 a.m. The Pentagon is evacuated.

11:28 a.m. The World Trade Center towers are evacuated.

11:38 a.m. The Pentagon is evacuated.

11:48 a.m. The World Trade Center towers are evacuated.

11:58 a.m. The Pentagon is evacuated.

12:08 p.m. The World Trade Center towers are evacuated.

12:18 p.m. The Pentagon is evacuated.

12:28 p.m. The World Trade Center towers are evacuated.

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### A Day of Carnage and Chaos

By David S. Eichenbaum  
Los Angeles Times Staff Writer

NEW YORK — The World Trade Center towers were evacuated Tuesday morning after two hijacked planes crashed into them, and the Pentagon was evacuated after a third hijacked plane struck it.

The fourth hijacked plane, a Boeing 767-300ER, crashed in a field near Shanksville, Pa., about 160 miles from Washington, D.C.

The World Trade Center towers were evacuated at 10:28 a.m. and the Pentagon was evacuated at 10:38 a.m.

The World Trade Center towers were evacuated at 10:58 a.m. and the Pentagon was evacuated at 11:03 a.m.

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# WTC 911

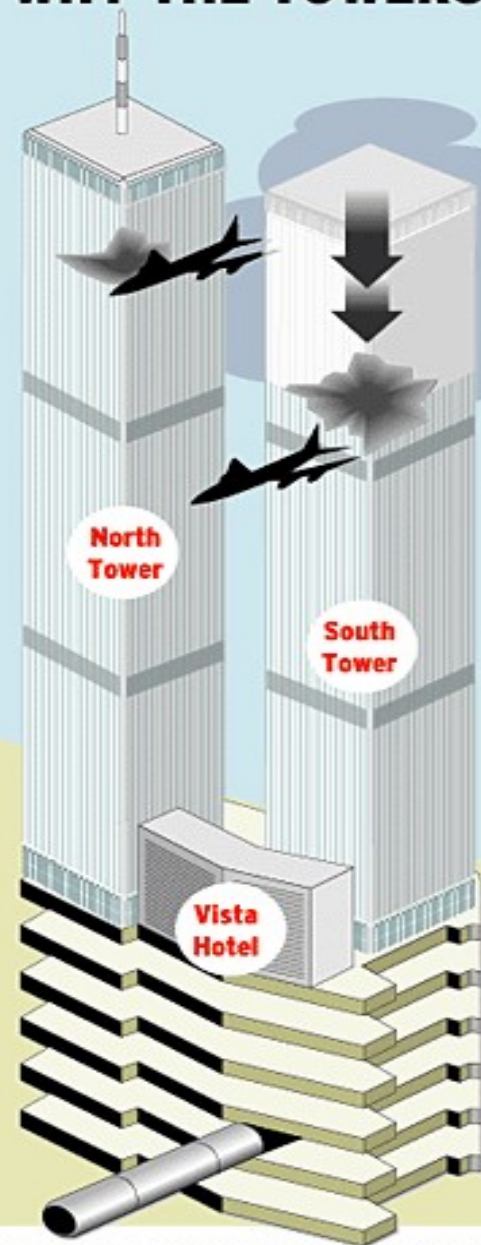


# WTC 911





# WHY THE TOWERS COLLAPSED



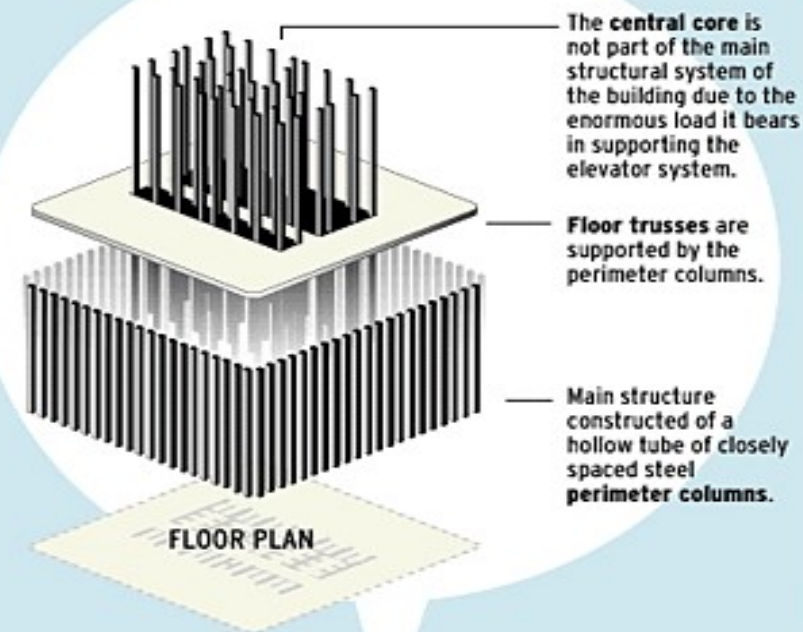
The impact of the plane crash destroyed a significant number of perimeter columns on several floors of the building, severely weakening the entire system.

As fire raged in the upper floors, the heat gradually affected the remaining structure.

The prolonged high temperatures, fuelled by the large volumes of aviation gas, weakened the steel core struts.

When the fire reached 1,500°F, the weakened struts collapsed and the truss system collapsed vertically.

The building's perimeter columns and floor trusses form a steel lattice, which was designed to act as a wind brace, thereby keeping disturbance away from the central core.

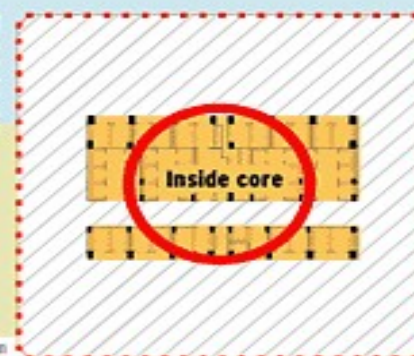


The central core is not part of the main structural system of the building due to the enormous load it bears in supporting the elevator system.

Floor trusses are supported by the perimeter columns.

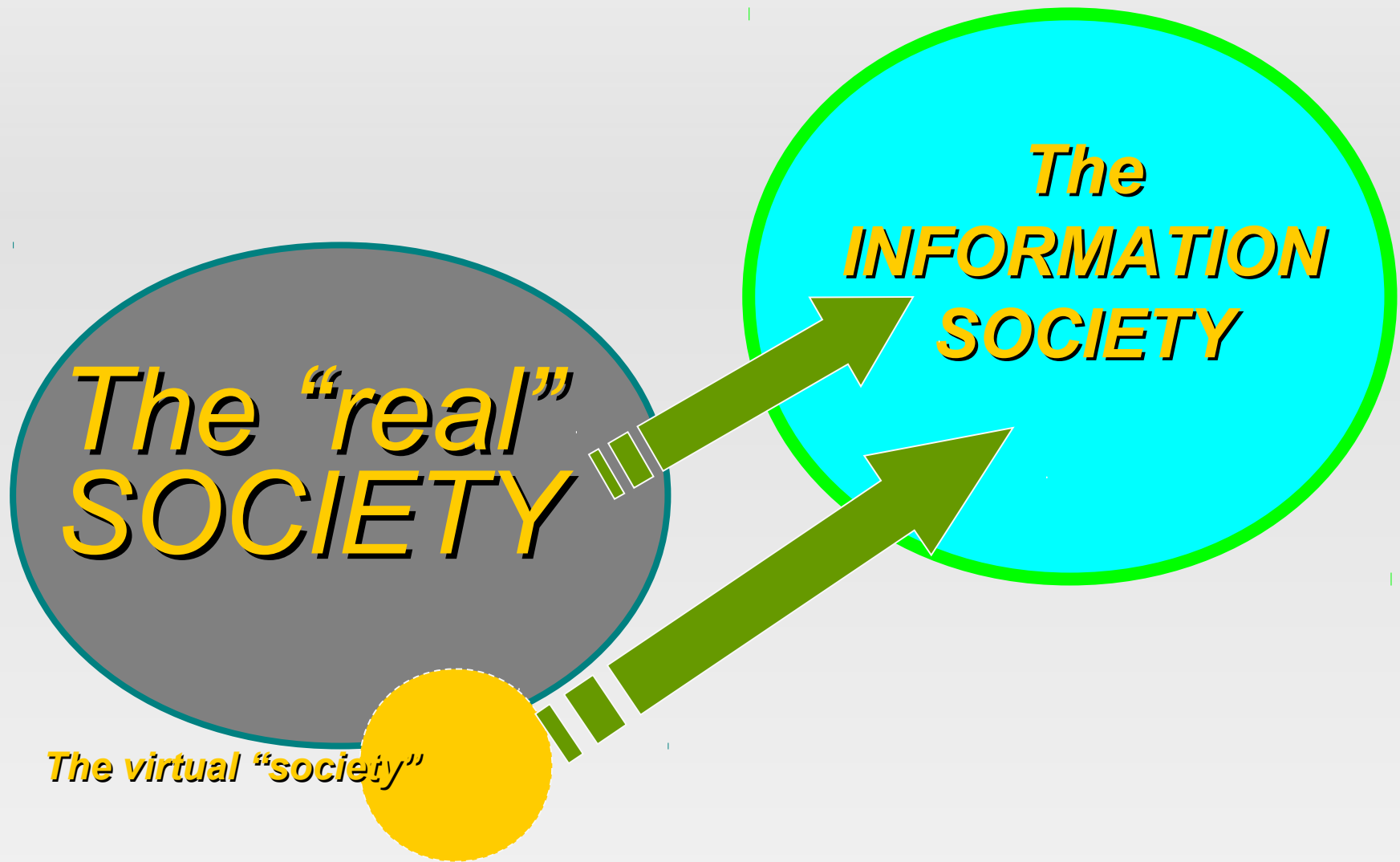
Main structure constructed of a hollow tube of closely spaced steel perimeter columns.

## FLOOR PLAN OF THE WORLD TRADE CENTRE



A hollow tube of closely spaced perimeter columns form the main structural component of the tower.

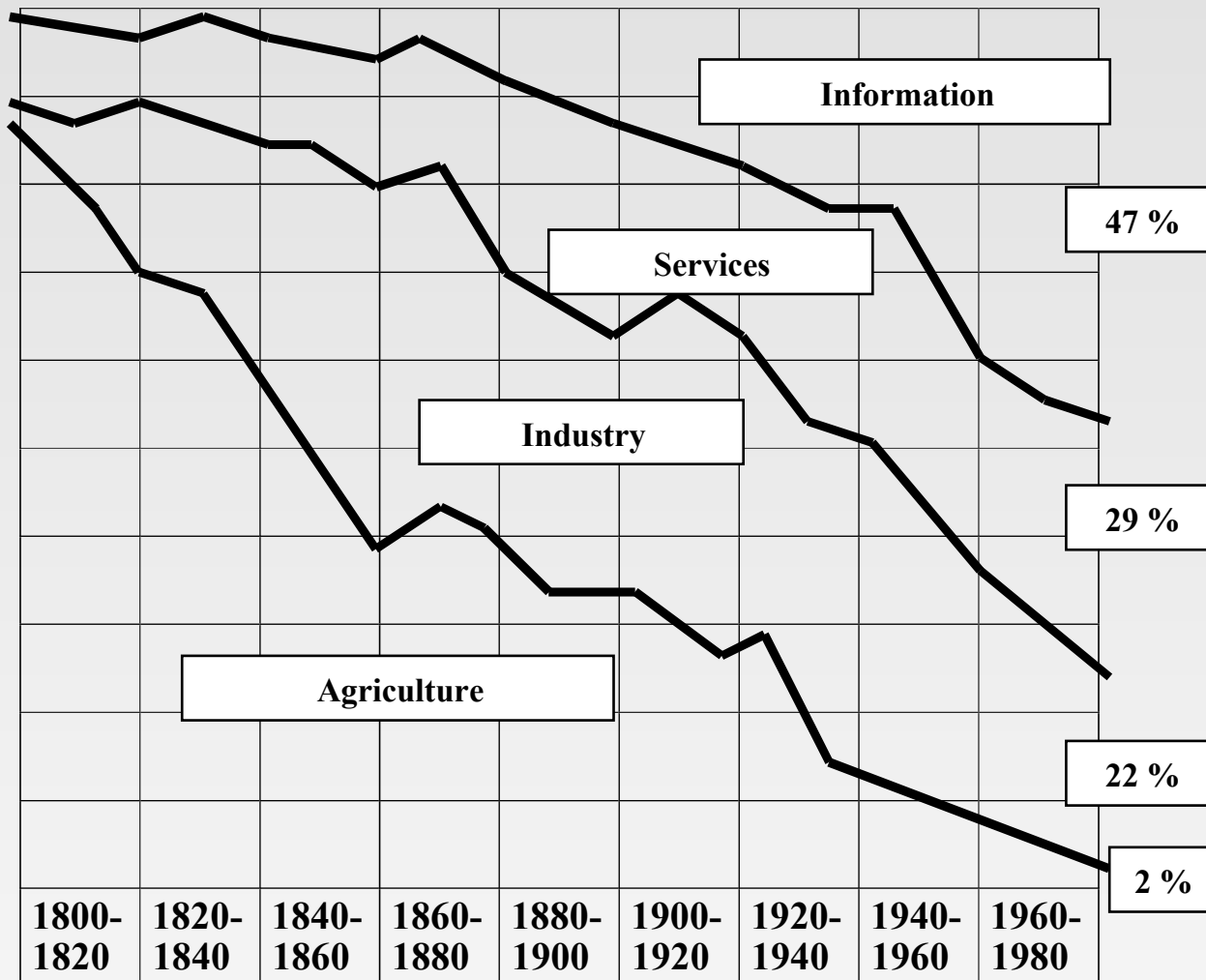




**The GLOBAL Information ERA !**

# The Information Society

## The Work Force Composition



Gambar 1

The Change of the Work Force Composition in the USA 1800-1980  
(Source:: Everett M. Rogers, [1986], *Communication Technology*, page 11)

# Information Workers

***Individuals whose main activities are .....***

***PRODUCING.....***

***PROCESSING.....***

***DISTRIBUTING.....***

***INFORMATION***

***producing***

***The INFORMATION TECHNOLOGY***



***..... teachers, lecturers, academicians, reseachers, writers, reporters, managers, public relation, etc.... .***

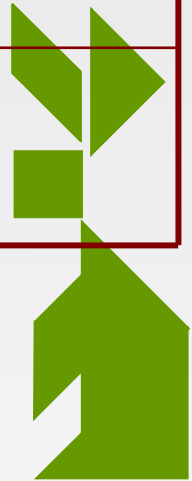
***CIO***



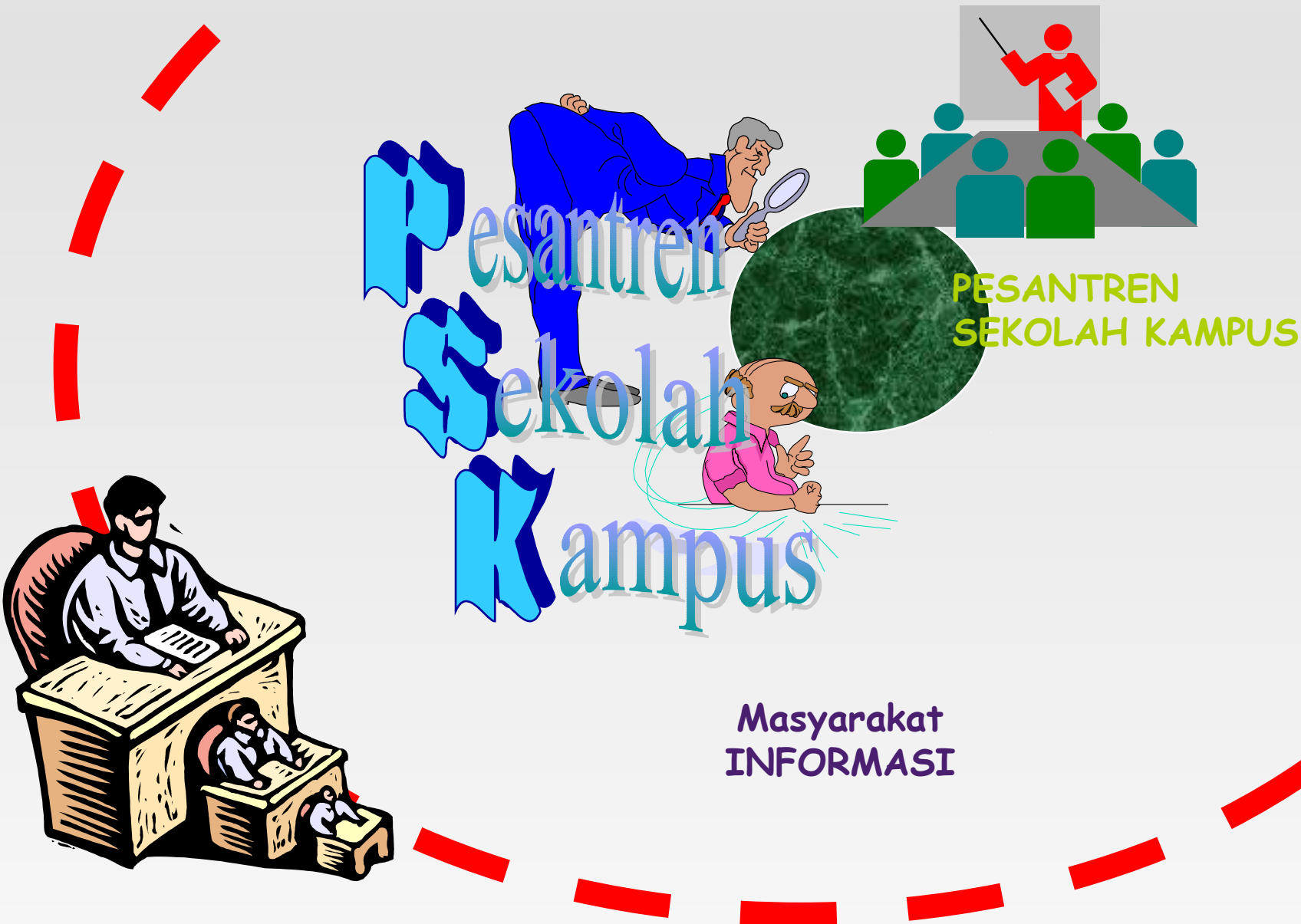
# ***Key Social Institutions***

<i><b>Society</b></i>	<i><b>Key Social Institution</b></i>
<i><b>Agricultural</b></i>	<b>FARM</b>
<i><b>Industrial</b></i>	<b>FACTORY</b>
<i><b>Information</b></i>	<b>UNIVERSITY</b>

(Source: Everett M. Rogers, [ 1986], “*Communication Technology*”, hal. 13)



# The ~~INDONESIAN~~ Information Societies:



# SELESAI

The END

The END

THE END

Selamat mengikuti  
KULIAH ini  
dengan SEKSAMA