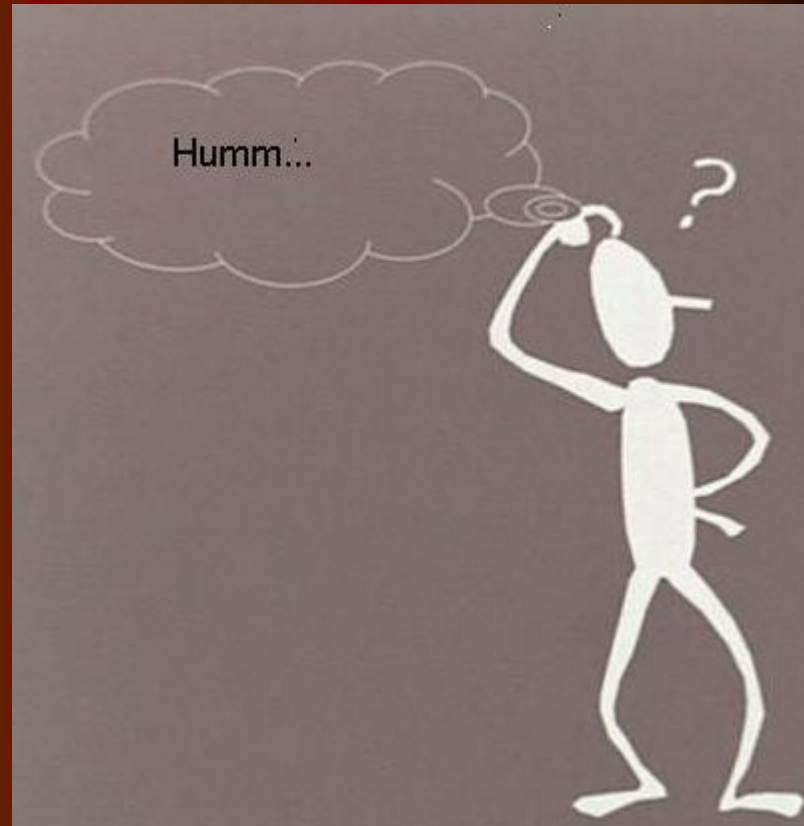


Technology and Education in Africa

http://www.idrc.ca/uploads/user-S/10546669500nacuzon_sall.ppt

- What were the challenges and goals during the 60's ?
- Have those challenges and goals changed ?
- What are the challenges and goals of today ?



Are the challenges and goals of the early 60's still the same ?
Do we have new ones ?

The main challenges and goals of the early 60's :

- Make Education more accessible to people and primary school universal
- Have african contents
- Education for development puposes



The main new challenges and goals :

Achieve universal education and schooling

- Make sure poor people have access to education
- Be part of the Global Village

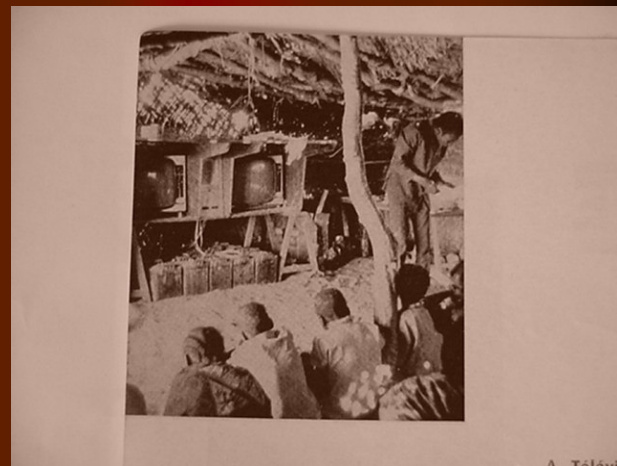
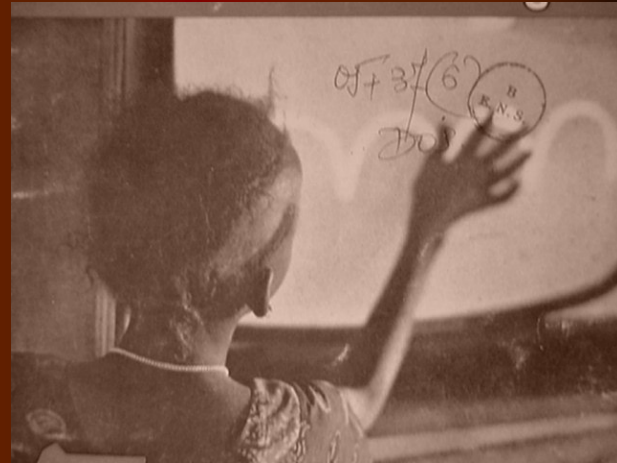
What were the obstacles in the 60's ?

- Not enough schools and classrooms
- Not enough teachers
- School curricula not adapted

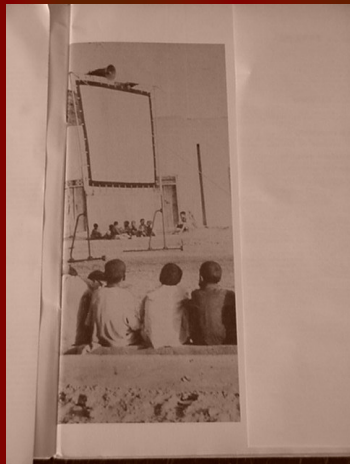
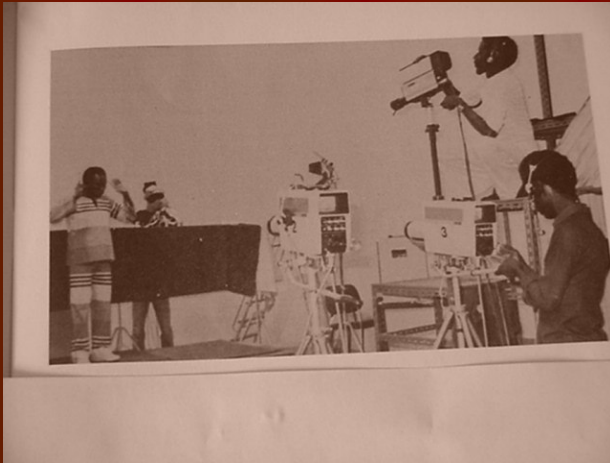
Attempted solutions in the 60's

Bridging the gap by using mass communication technologies :

- Lack of teachers and school infrastructures
- Adapting the contents to cultural realities

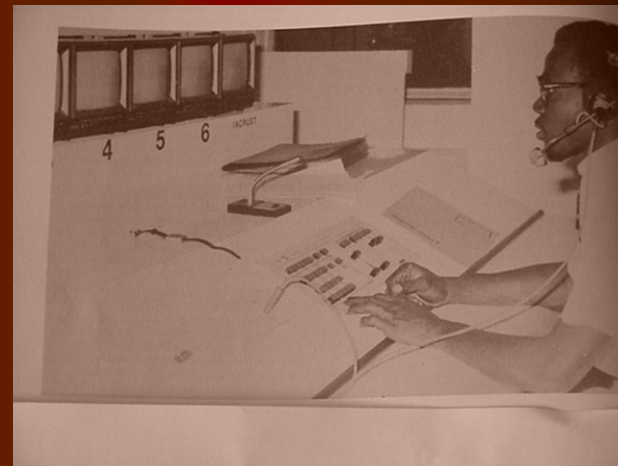


Technologies used during the 60's



- Educational radio and active method for better language skills : The CLAD method in Senegal for French
- School television : Côte d'Ivoire, Niger, Senegal
- Open air cinema, newspapers

Results of the 1960's experiments

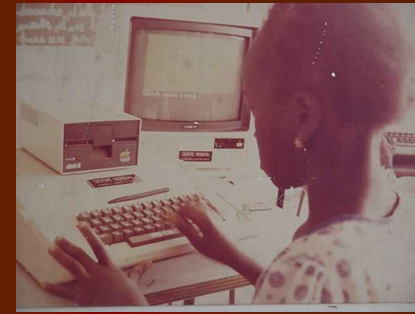


- The contents were more related to everyday life
- Slightly better schooling rates
- Primary school students could speak French

But :

- Poor writing skills
- Expectations in secondary and higher education not met

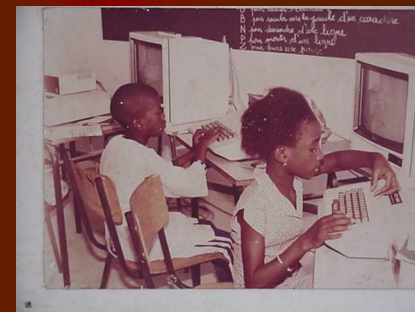
...then computer science and LOGO Language came in the 1980's



What were the challenges and goals of the 1980's ?

Thanks to computer science and via computer (CAL and CAI) :

- Make quality educational services more accessible
- Develop and improve the mental capacities for problem solving
- Modelise students' and teachers behaviours using expert systems



What experiments were carried out during the 1980's ?



For more accessibility :

- Computer material development projects (LogaBax...)

For learning and teaching :

- The LOGO Projects : in Senegal with the MIT and Pr. Seymour Papert team; in Kenya with the Agha Han Foundation



What are the results of the 1980's ?

Just like the French Project
«Computers for all» :

- Main obstacles : the lack of quality teaching materials and teachers who were not open to change (teacher's misoneism)
- Another obstacle : difficulty to evaluate how successful computer pratice and CAL/CIA were



The new challenges and goals since the 1990's

- Achieve universal schooling
- Guarantee lifelong education for all
- Overcome ignorance, famine and health problems
- Promote education for peace and understanding

Suggested solutions during the 1990's ?



- Develop public service education
- Support local initiative for promoting basic education in community school and community education system

Expected results during the 1990's ?



- Guarantee the quality of education
- Set up appropriate educational services
- Trying to be as efficient as possible

What are the main results of the 1990's ?



- Underprivileged people like women have access to education



...more children and adults go to school...



- Basic community education is everybody concern; school are open to all
- Basic community schools accept children with no formal education or school drop-outs
- Adults have special literacy programmes

... but several difficulties remaining
no comment...



Can poverty and ignorance be overcome if they are hidden ?



The people and populations are better judges than we are !



From our part, we must prepare the teachers for their job

- Let us give them proper training
- Let us make them prepared to fulfil their mission as facilitators for modern knowledge acquisition



In preparing for the future, we are bound to innovate despite easy criticisms !



- Let us take modern technology, science and culture to more isolated and remote hamlets
- Let us open the doors of modern science and culture –the tip of the iceberg of the human genius- to today's youth which constitutes the future for us all
- This cannot be overvalued. This is absolutely priceless !