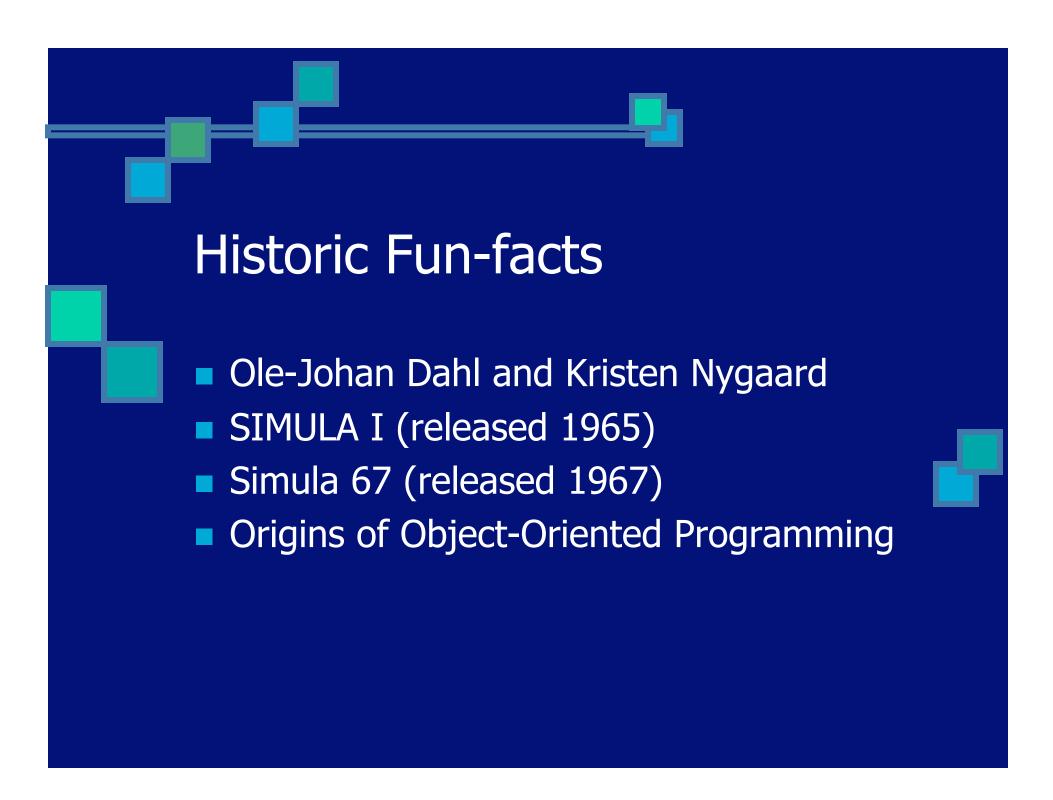
## Simula

Where would we be without it?



## Simu-what-now?

- No tool to simulate and describe complex systems
- Stack mechanism 
  in Algol etc.
- Queue system more suited for simulation
- SIMULA I was written as an independent Algol based language

## Still not good enough

- Feature extension, resulting in a generalpurpose language
- Redesigned traditional subprograms
- Coroutines allow the subprogram to restart where it had previously stopped.
- Class construct to do coroutines



- Conceptualized and implemented for Simula 67
- Inheritance
- Encapsulation
- Data abstraction
- Virtual procedures

## Told you so!

- Impact on the industry
- Smalltalk (1970s)
- C++ (1980s)
- Java, Ada, Prolog, C#, any OOL
- Text vs. String