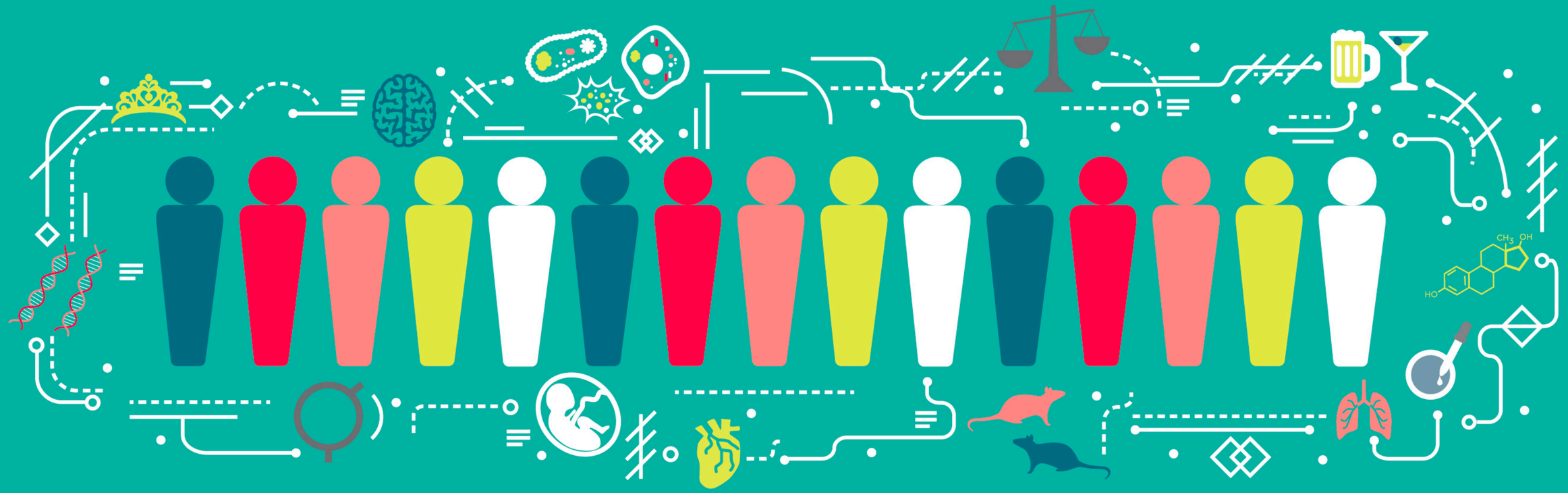


CHE GENERE DI SCIENZA?

Edwige Pezzulli
Istituto Nazionale di Astrofisica

UN MONDO DI STEREOTIPI

Lo schema è semplice

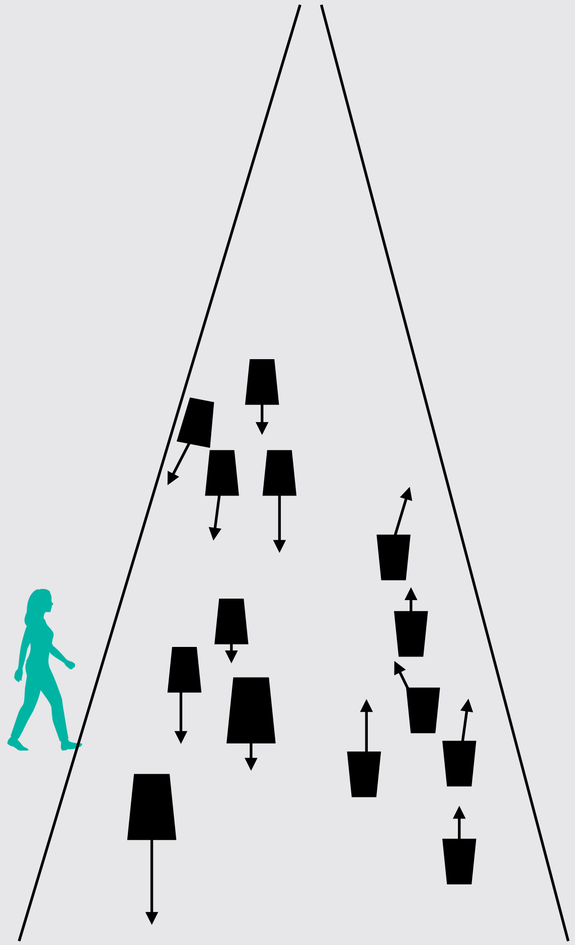


Riferimenti: DM Amodio, *The neuroscience of prejudice and stereotyping*, 2014
G Markowsky, *Information theory*, Encyclopedia Britannica, 2023

UN MONDO DI STEREOTIPI

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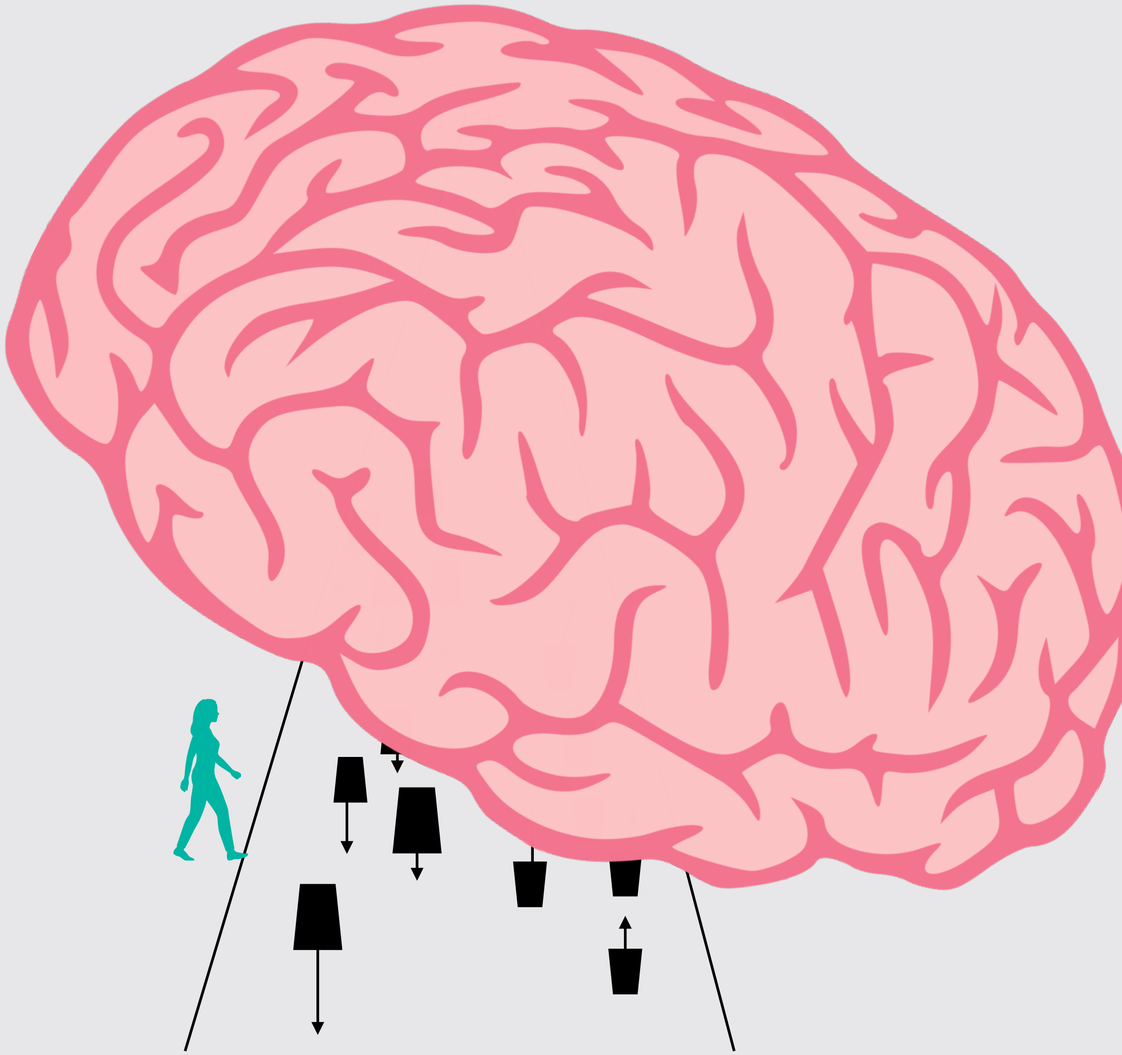


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UN MONDO DI STEREOTIPI

Chi fa informatica?

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UN MONDO DI STEREOTIPI

Chi fa informatica?



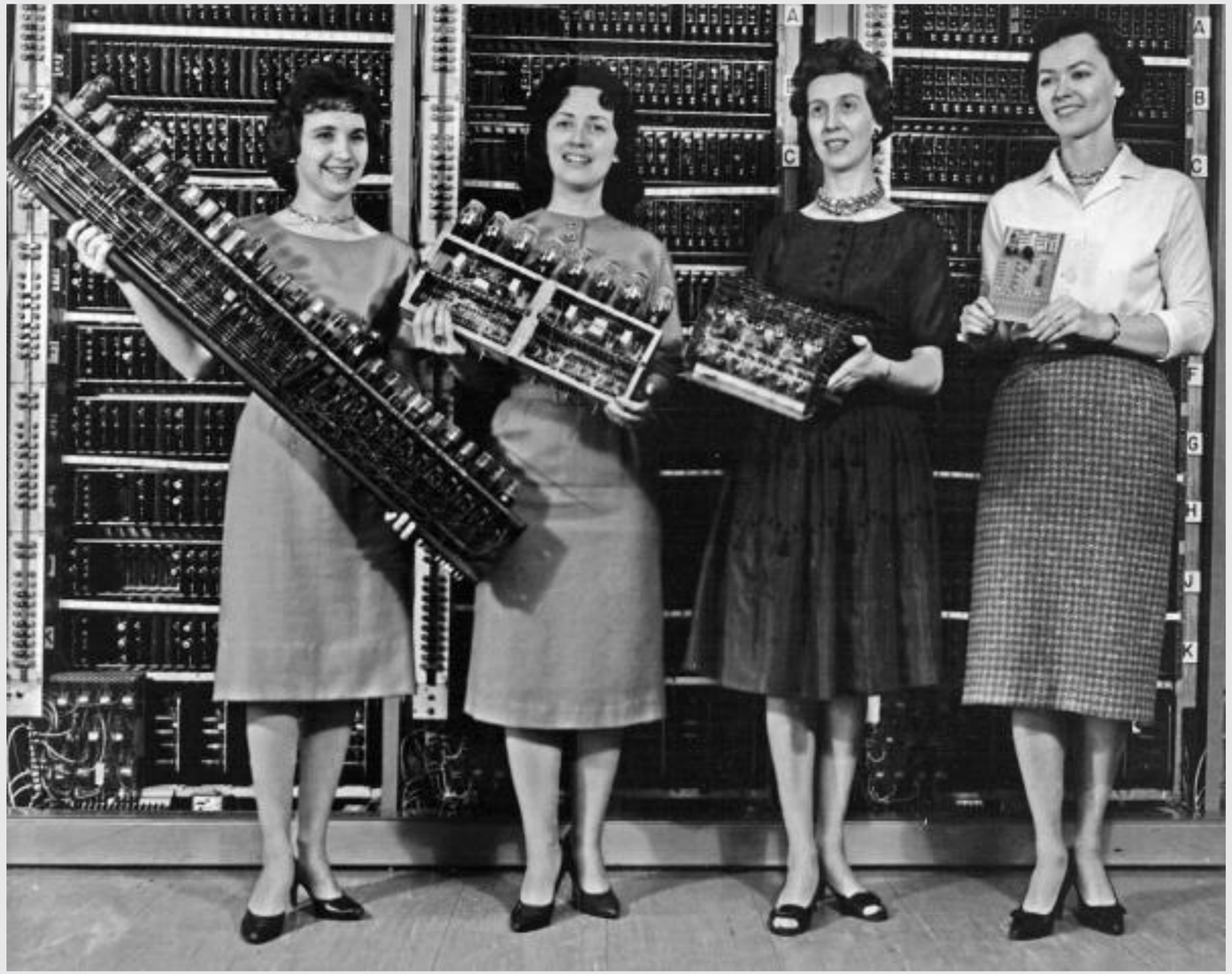
“Uomo non attraente, impacciato, socialmente imbarazzante ed estremamente interessato ai computer”

Cambridge Dictionary

UN MONDO DI STEREOTIPI

Chi fa informatica?





UN MONDO DI STEREOTIPI





The Computer Girls

BY LOIS MANDEL

A trainee gets $8,000 a year ...a girl "senior systems analyst" gets $20,000—and up! Maybe it's time to investigate....

Ann Richardson, IBM systems engineer, designs a bridge via computer. Above (left) she checks her facts with fellow systems engineer, Marvin V. Fuchs. Right, she feeds facts into the computer. Below, Ann demonstrates on a viewing screen how her facts designed the bridge, and makes changes with a "light pen."

Twenty years ago, a girl could be a secretary, a school teacher . . . maybe a librarian, a social worker or a nurse. If she was really ambitious, she could go into the professions and compete with men . . . usually working harder and longer to earn less pay for the same job.

Now have come the big, dazzling computers—and a whole new kind of work for women: programming. Telling the miracle machines what to do and how to do it. Anything from predicting the weather to sending out billing notices from the local department store.

And if it doesn't sound like woman's work—well, it just is.

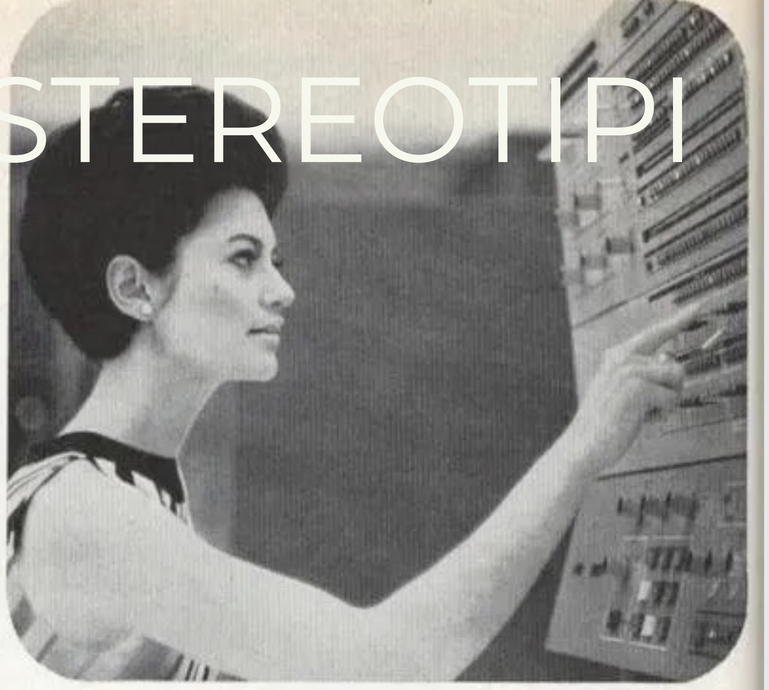
("I had this idea I'd be standing at a big machine and pressing buttons all day long," says a girl who programs for a Los Angeles bank. I couldn't have been further off the track. I figure out how the computer can solve a problem, and then instruct the machine to do it."

"It's just like planning a dinner," explains Dr. Grace Hopper, now a staff scientist in systems programming for Univac. (She helped develop the first electronic digital computer, the Eniac, in 1946.) "You have to plan ahead and schedule everything so it's ready when you need it. Programming requires patience and the ability to handle detail. Women are 'naturals' at computer programming."

What she's talking about is *aptitude*—the one most important quality a girl needs to become a programmer. She also needs a keen, logical mind. And if that zeroes out the old Billie Burke-Gracie Allen image of femininity, it's about time, because this is the age of the Computer Girls. There are twenty thousand of them in the United *(cont. on page 54)*

UN MONDO DI STEREOTIPI





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UN MONDO DI STEREOTIPI

Draw a scientist



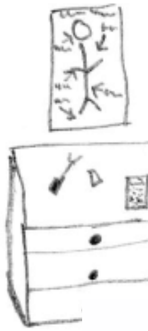












UN MONDO DI STEREOTIPI

Draw a scientist



IL NOME...

IL NOME DI UNA FISICA

IL NOME DI UNA FISICA



Maria Skłodowska Curie

IL NOME DI UNA FISICA



Maria Skłodowska Curie



Bronisława Skłodowska

IL NOME DI UNA FISICA

Vera Cooper Rubin



IL NOME DI UNA FISICA

Lise Meitner



Vera Cooper Rubin



IL NOME DI UNA FISICA

Lise Meitner



Jocelyn Bell



Vera Cooper Rubin



IL NOME DI UNA FISICA

Margaret Rossiter

Lise Meitner

Jocelyn Bell

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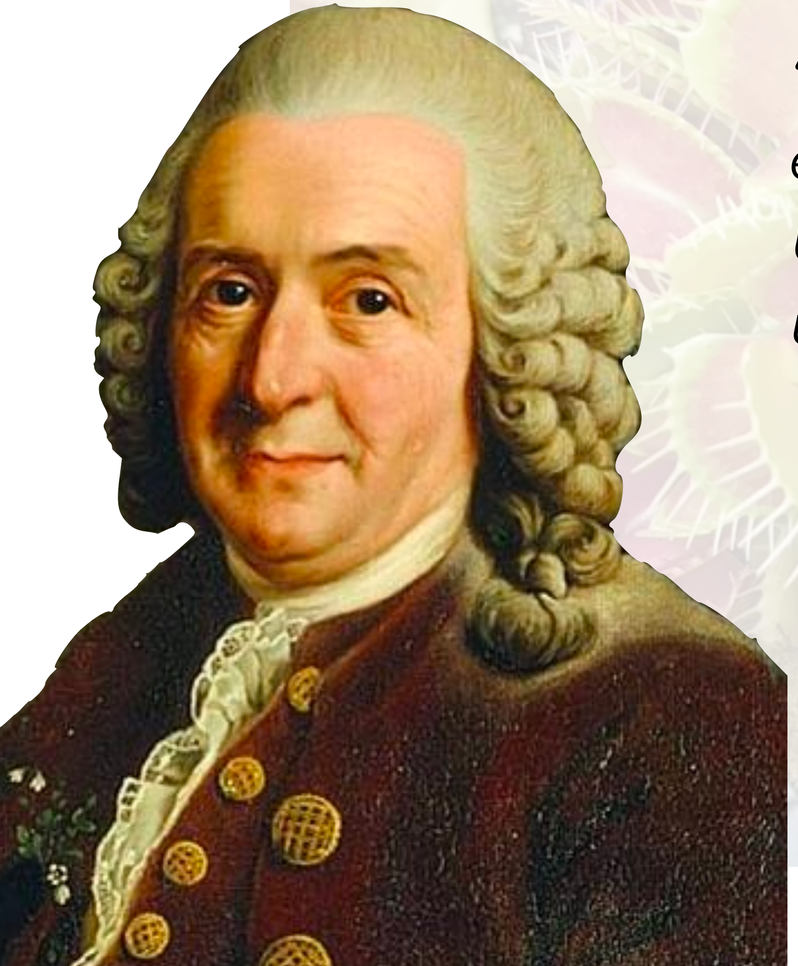
IL NOME DI UNA MATEMATICA?

SCIENZA NEUTRALE



Linneo, 1768

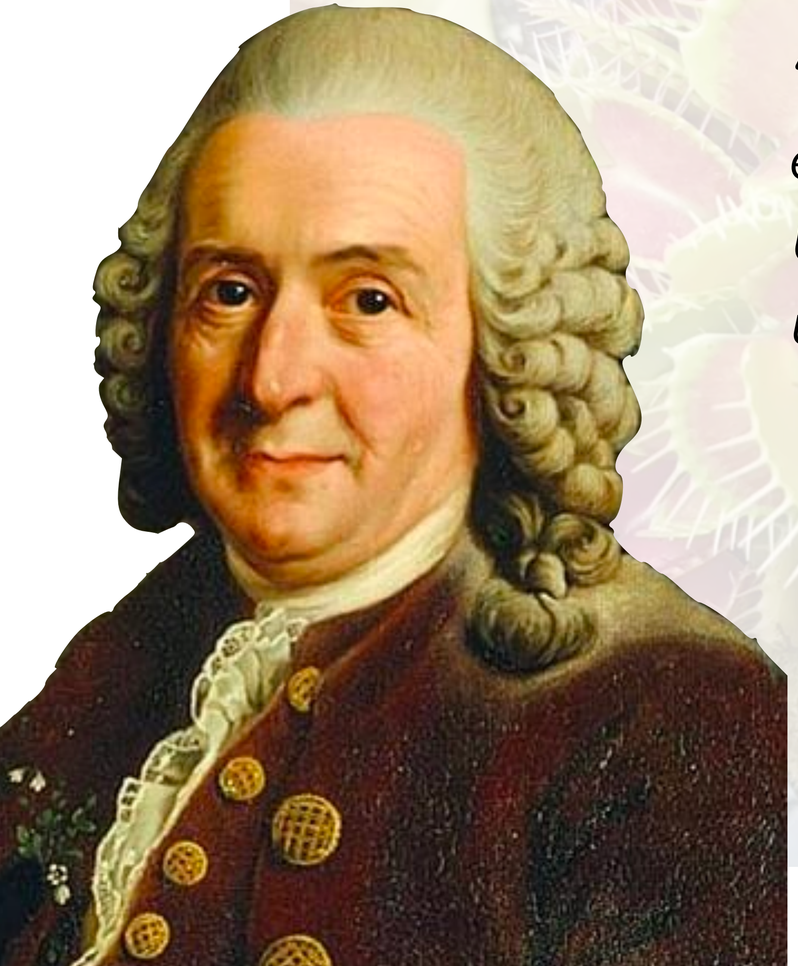
SCIENZA NEUTRALE



“dio ha creato le piante affinché gli animali e gli esseri umani possano nutrirsene. Una pianta carnivora rappresenterebbe una sovversione all’ordine divino.”

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Linneo, 1768

SCIENZA NEUTRALE

OSSERVAZIONI

Parte teorica di una teoria nettamente distinta dall’ osservazione

OSSERVAZIONE è un dato NEUTRO E INCONTAMINATO

OGGETTIVITÀ IMPRESA SCIENTIFICA



SCIENZA NEUTRALE

OSSERVAZIONI

POPPER





KUHN



FEYERABEND

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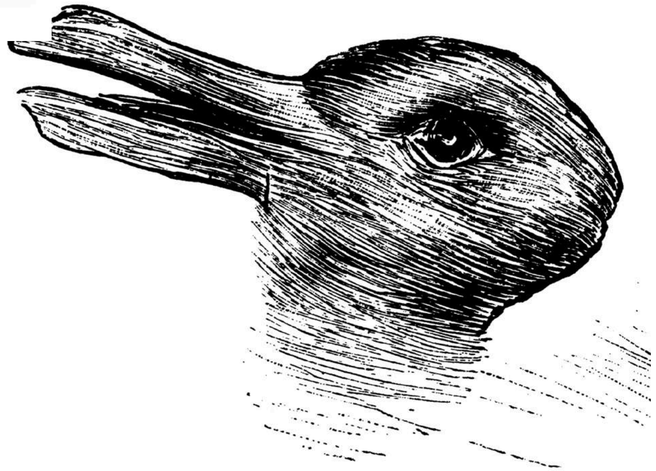




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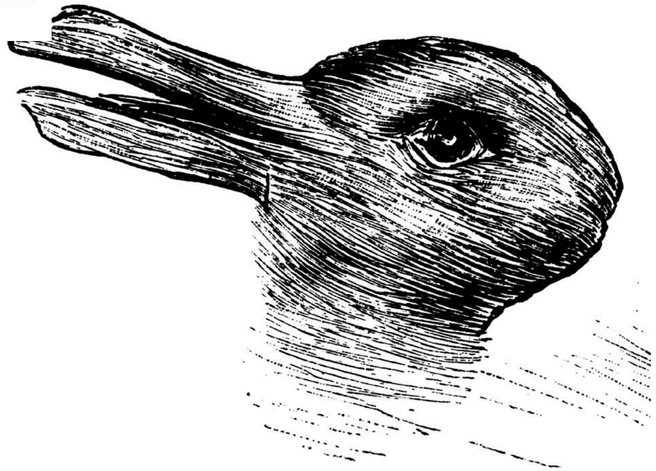
OGGETTIVITÀ IMPRESA SCIENTIFICA











Stessa percezione può generare diverse osservazioni e concettualizzazioni.

OSSERVAZIONE è carica di TEORIA

SCIENZA NEUTRALE

OSSERVAZIONI



SCIENZA NEUTRALE

OSSERVAZIONI





SCIENZA NEUTRALE

OSSERVAZIONI





La nostra categoria culturale del maschile e femminile ha determinato in qualche modo l'osservazione e l'interpretazione degli esperimenti?

Emily Martin, The Egg and the Sperm