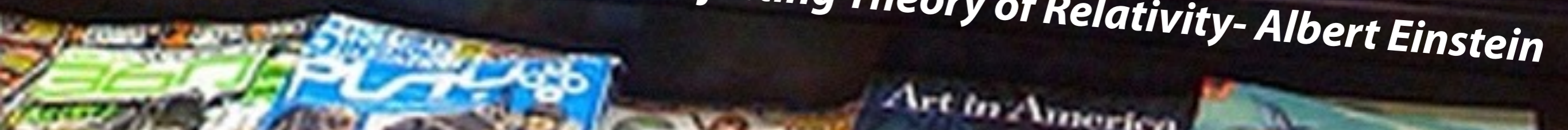




and Title



*Projecting Theory of Relativity- Albert Einstein*





TEK: TECHNOLOGY QUARTERLY

Two keys to Einstein's success:

Optimism  
Hybridization

Read more on pg. 52

Optimism:  
the tendency to look on the more favorable side of happenings and to anticipate the most favorable results

The Economist

Europe to Russia

stands up





TEK: TECHNOLOGY QUARTERLY

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The Economist

www.economist.com

Hybrid:

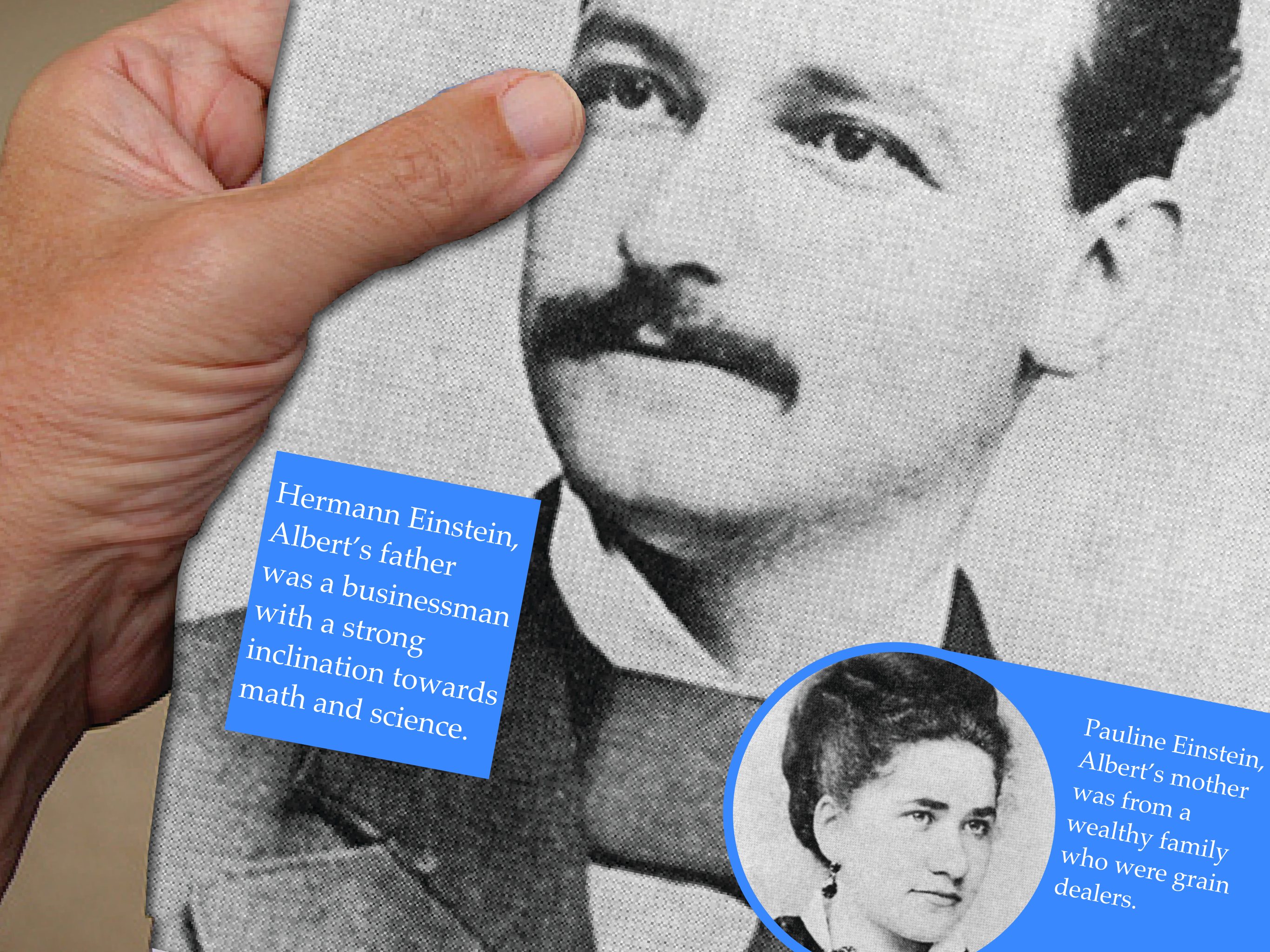
anything derived from heterogeneous sources or composed of elements of different or incongruous kinds

Europe to Russia

stands up  
Russia







Hermann Einstein,  
Albert's father  
was a businessman  
with a strong  
inclination towards  
math and science.



Pauline Einstein,  
Albert's mother  
was from a  
wealthy family  
who were grain  
dealers.





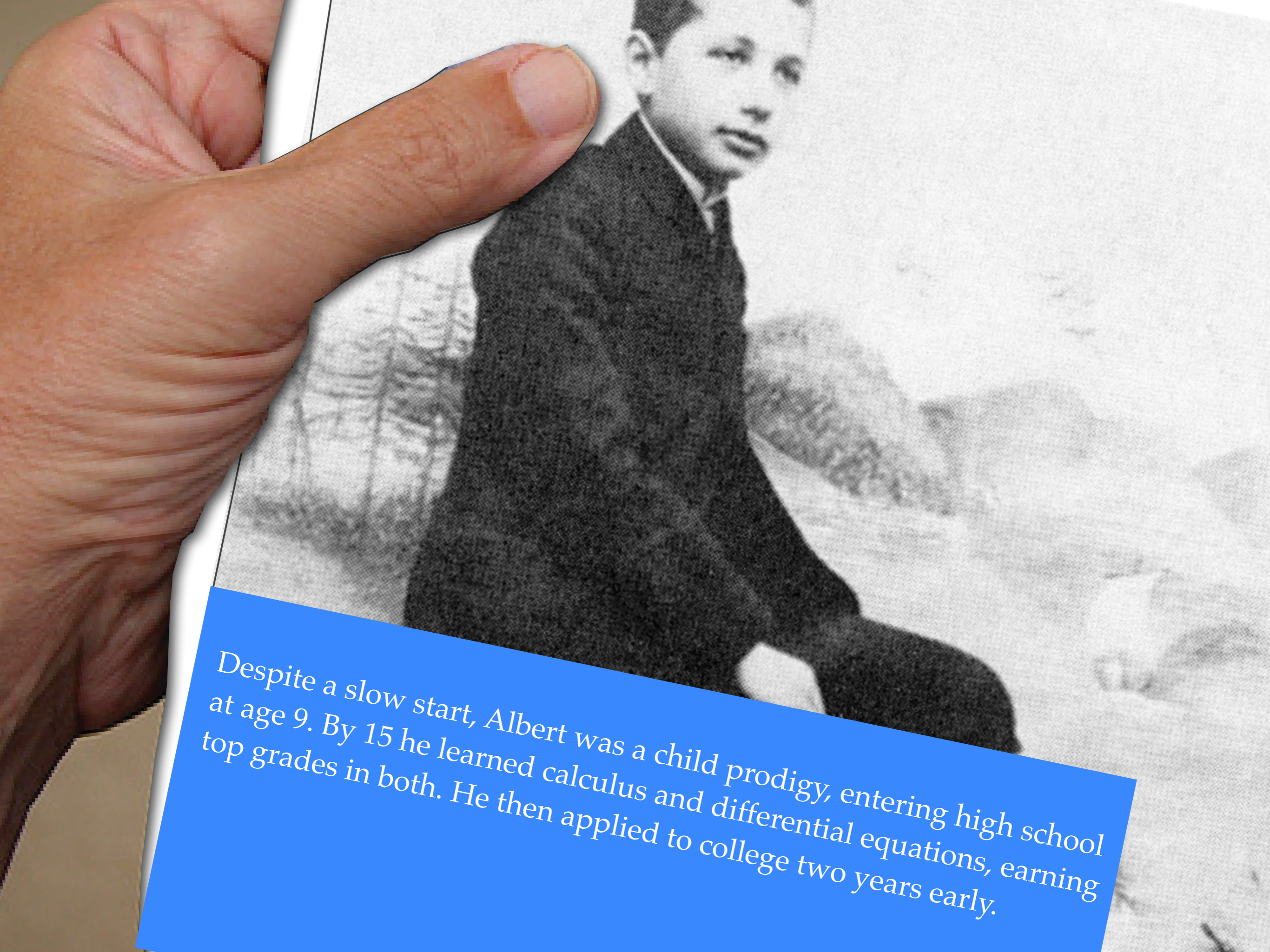
Young Albert was slow to develop- poor language skills-  
cheeky rebelliousness to authority- temper tantrums  
He was cocky and hard for his schoolmates to control.



Albert had an intelligent family that strongly believed in the merits of education.







Despite a slow start, Albert was a child prodigy, entering high school at age 9. By 15 he learned calculus and differential equations, earning top grades in both. He then applied to college two years early.



I was very interested in music and philosophy throughout my life..... not too shabby on the violin if I do say so myself.

People





Einstein was also fascinated by science as a child..... after receiving a compass he became curious about invisible forces. He had the curiosity of a child his entire life.







In 1896, at age 17, Albert entered the Zurich Polytechnic.  
The same year his father and uncle's business failed and  
his family moved to Milan to start a similar business.

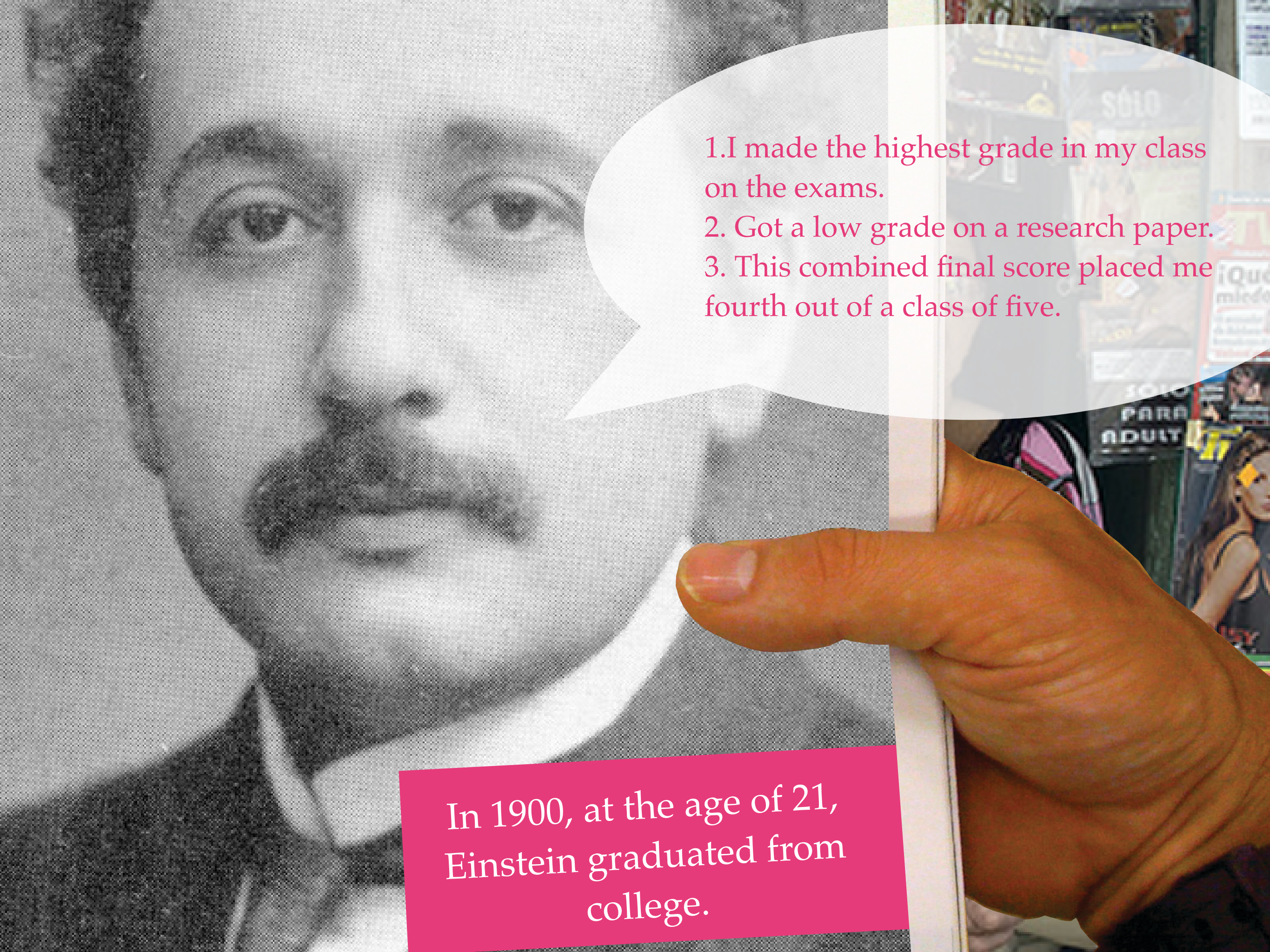
People





Unfortunately the ETH was not a good fit for Albert, culturally (given his diverse background) and academically. He increasingly became disillusioned with the professors.



- 
1. I made the highest grade in my class on the exams.
  2. Got a low grade on a research paper.
  3. This combined final score placed me fourth out of a class of five.

In 1900, at the age of 21, Einstein graduated from college.



# Star

- \* Low opinion of TYPICAL marriage
- \* Finds his Mother's friends 'indolent'
- \* Plays Mother and wife off of one another

**EINSTEIN'S  
REBELLIOUSNESS!**





‘ Einstein was impudent to his professors, skipping class then expecting a good recommendation. ’



He had a child out of wedlock with Mileva which was considered disgraceful for a good Jewish family

**EINSTEIN'S REBELLIOUSNESS!**

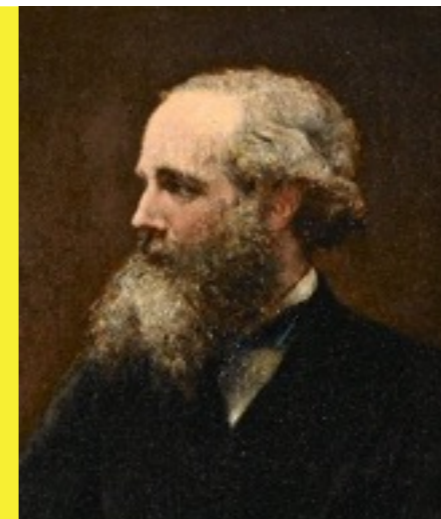
## ALBERT **RIDICULES** THE LEADING PHYSICISTS OF THE DAY



Max Planck



Paul Drude



James Maxwell



Alfred Kleiner



**'Blind respect for authority  
is the enemy of truth.'**



**'Long Live Impudence! It is my  
guardian angel in the world.'**



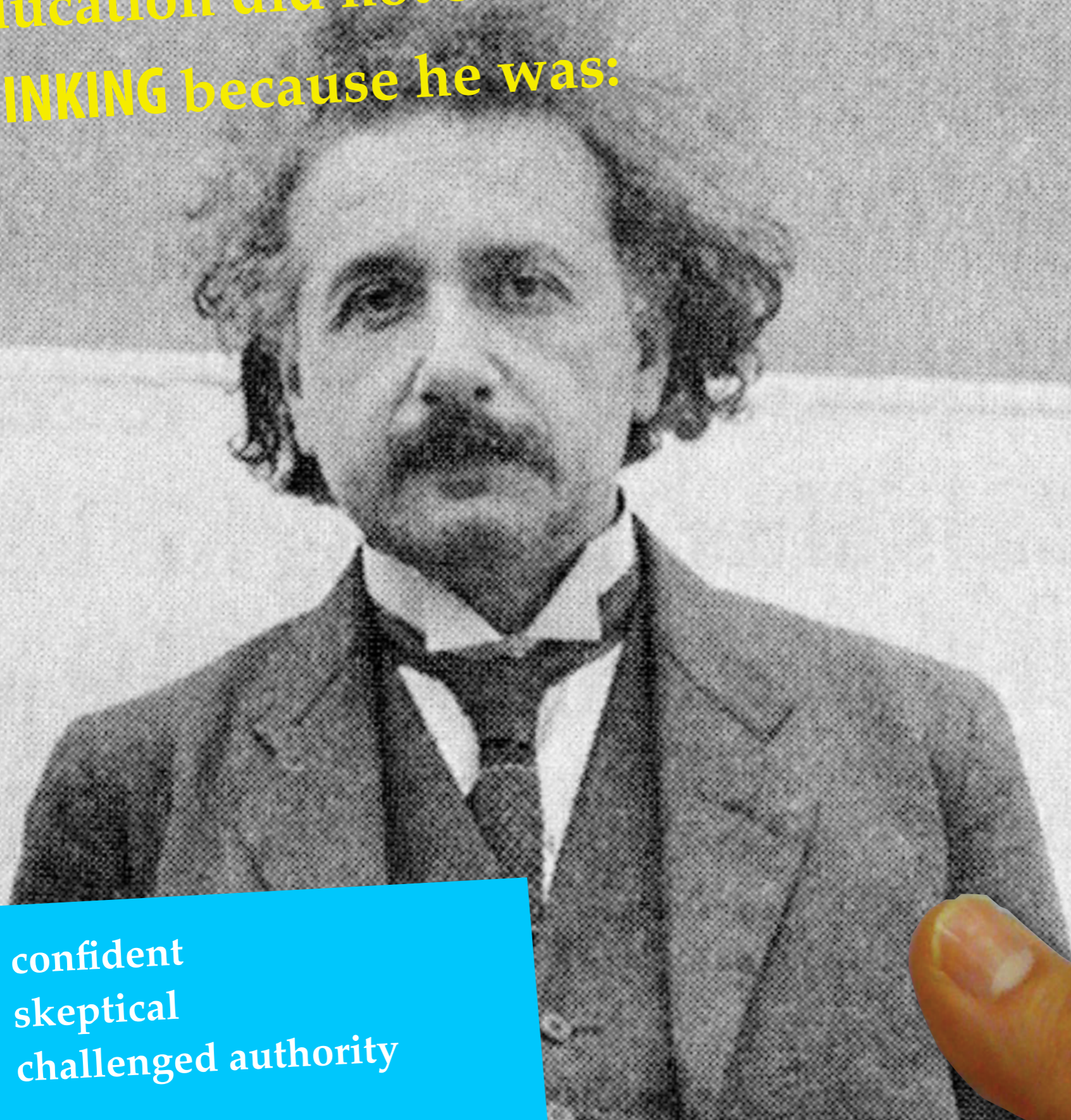
# NEWSSTAND

Rebellion and Independent Thinking  
allowed Einstein to challenge basic  
assumptions.





Education did not stifle his **INDEPENDENT THINKING** because he was:



- \* confident
- \* skeptical
- \* challenged authority





GATEWAY  
NEWSTANDS

Should we conclude from this that conventional formal education is problematic or needs to be rejected?

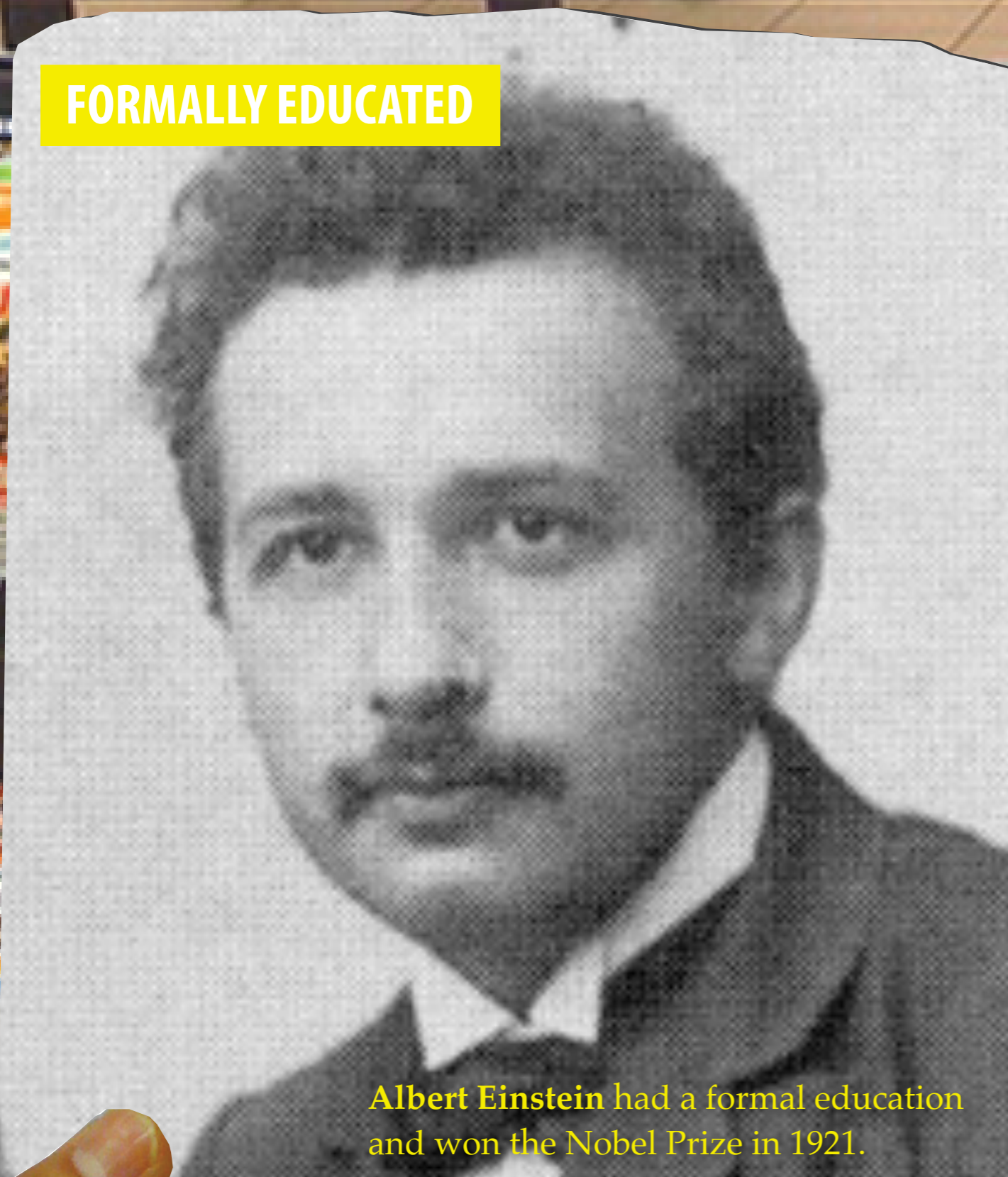






Featured Title

**FORMALLY EDUCATED**



**Albert Einstein** had a formal education and won the Nobel Prize in 1921.

**SELF-EDUCATED**



**Guglielmo Marconi** was entirely self-educated and won the Nobel Prize in 1921.



# People

**FIVE LESSONS ABOUT  
CREATIVITY FROM  
ALBERT EINSTEIN**





*I. Lifestyle & Job*

*Do open-ended jobs encourage creativity?*

*Do routine jobs stifle creativity?*

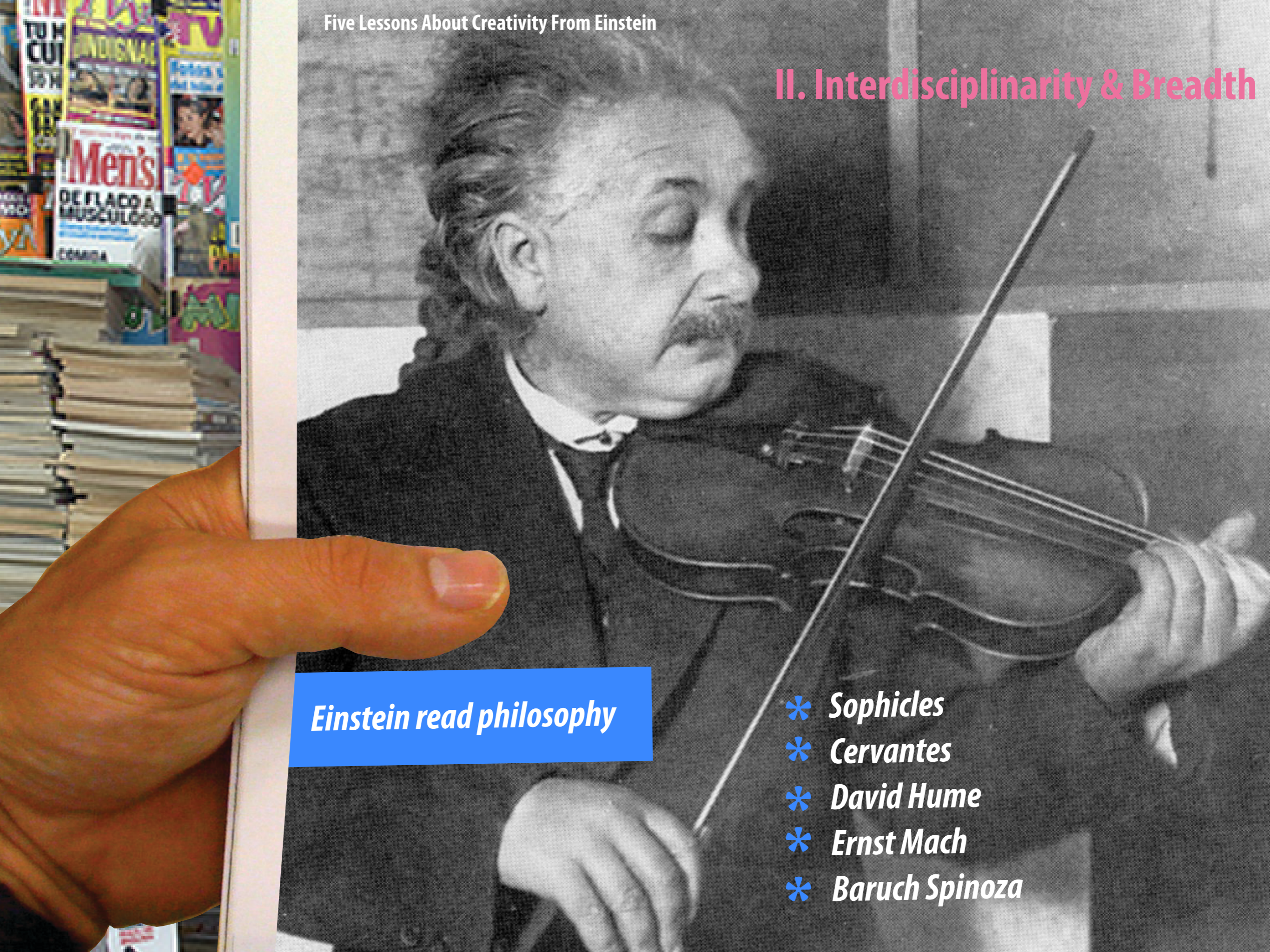




## II. Interdisciplinarity & Breadth

*Einstein read philosophy*

- \* *Sophicles*
- \* *Cervantes*
- \* *David Hume*
- \* *Ernst Mach*
- \* *Baruch Spinoza*



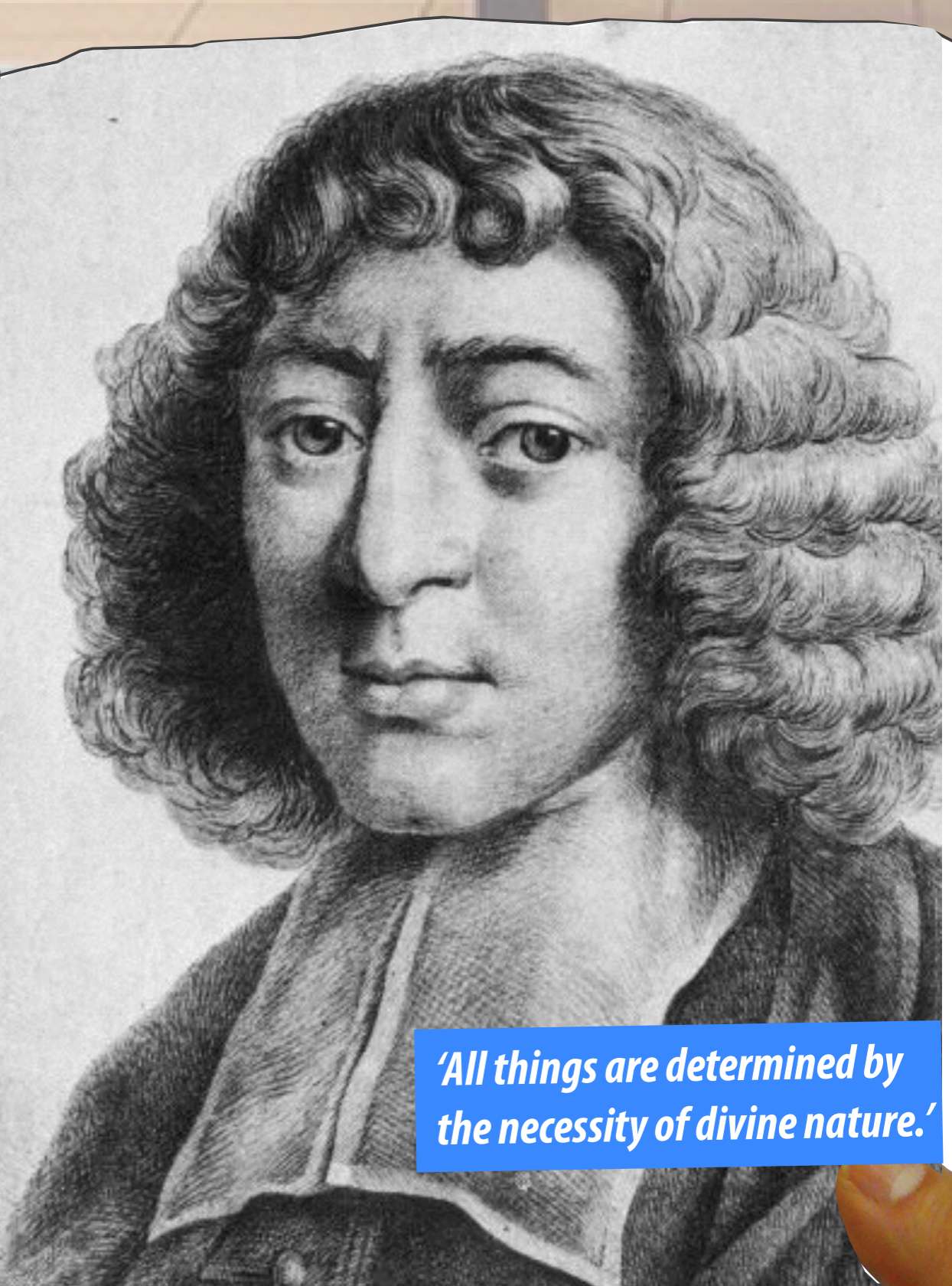




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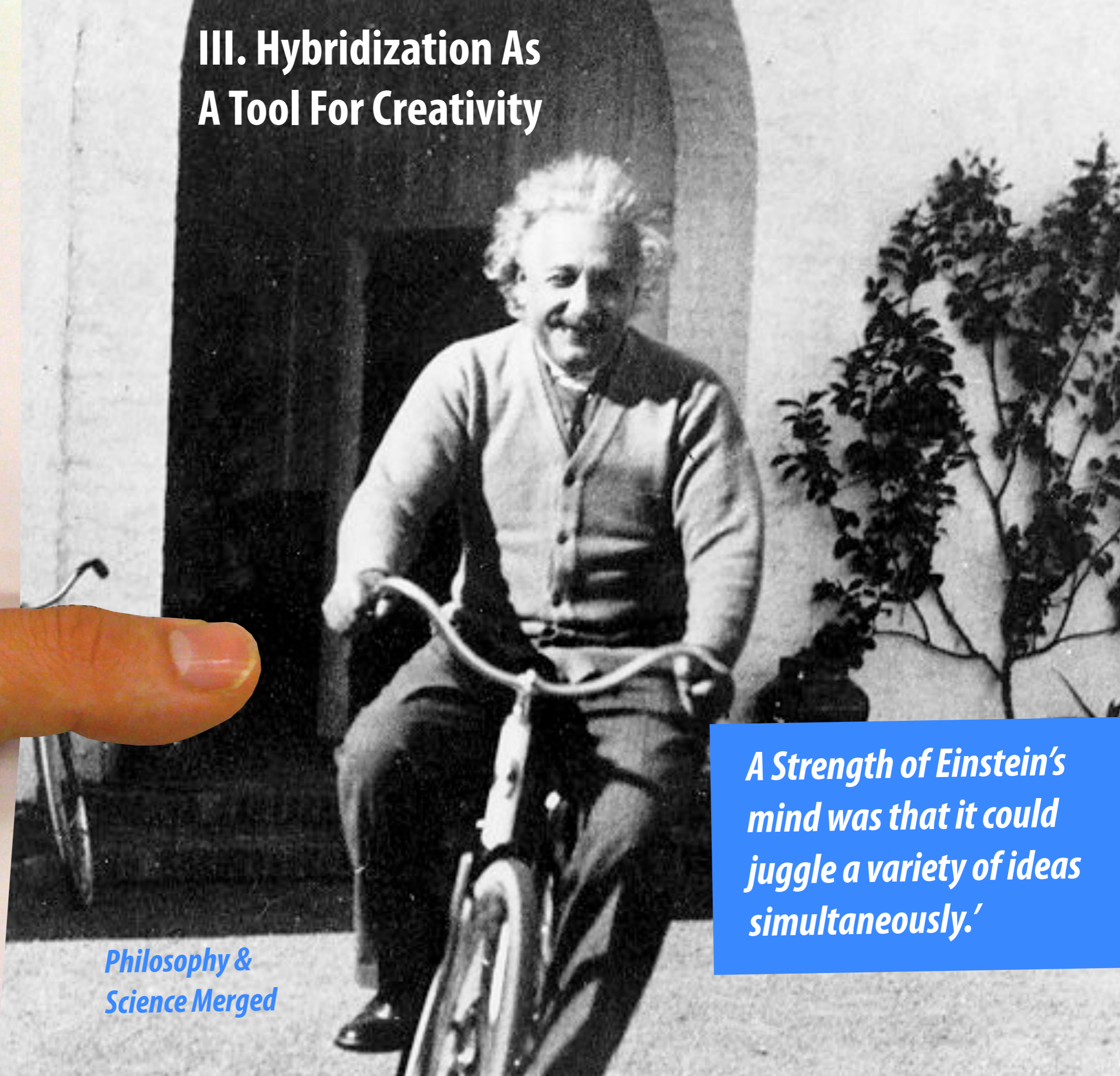
*'incorruptible skepticism and independent thinking'*



*'All things are determined by the necessity of divine nature.'*



### III. Hybridization As A Tool For Creativity



*A Strength of Einstein's mind was that it could juggle a variety of ideas simultaneously.'*

*Philosophy &  
Science Merged*



**IV. Confidence That Comes From A Heuristic**



*Einstein created a story that he believed in.*





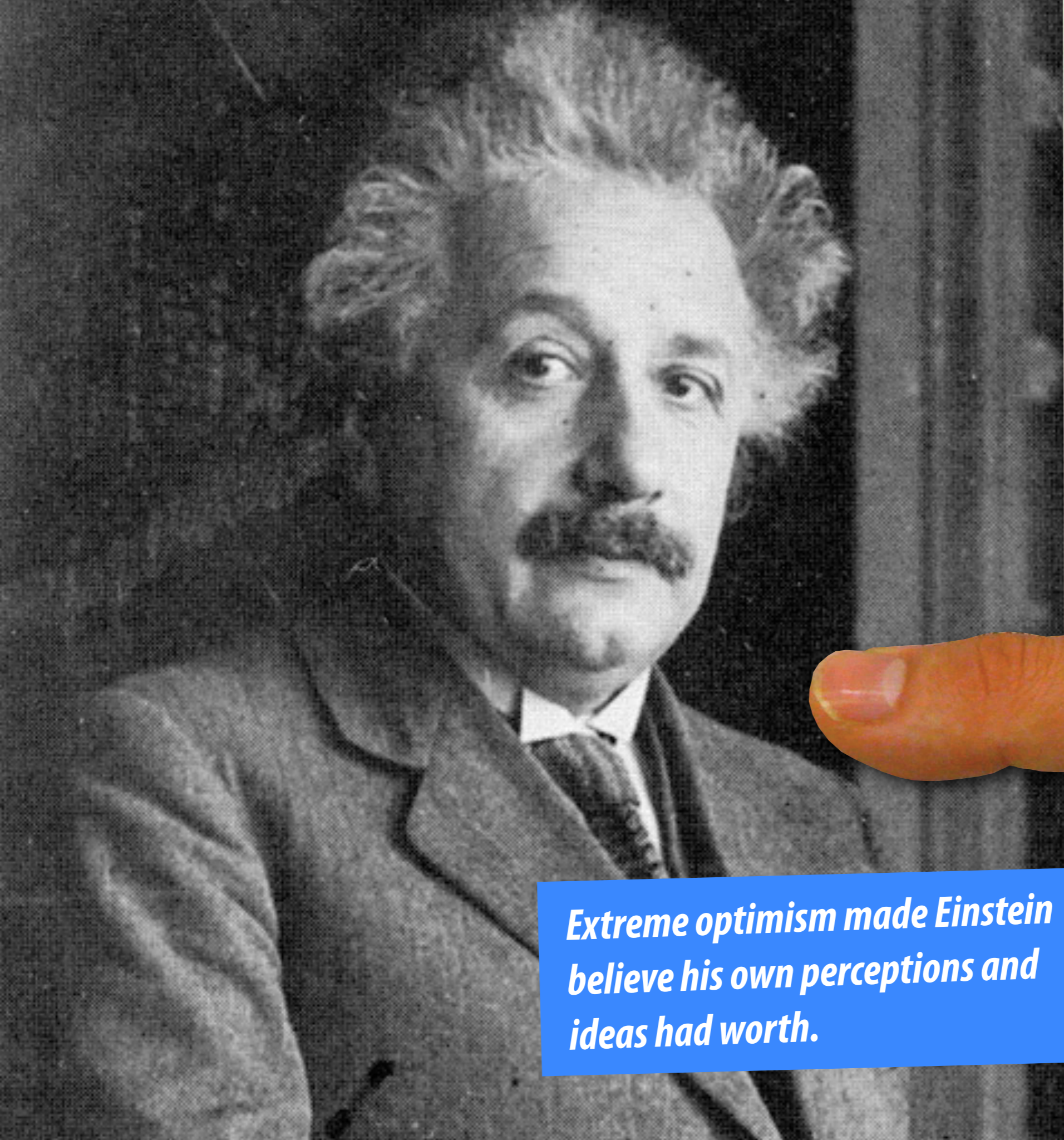


## V. Power Of Optimism In Promoting Creativity



*Einstein was extremely optimistic.*





*Extreme optimism made Einstein believe his own perceptions and ideas had worth.*



# People

**FIVE LESSONS ABOUT  
CREATIVITY FROM  
ALBERT EINSTEIN**







and Title



*Projecting Theory of Relativity- Albert Einstein*

