CHRONICLE OR MYTH

FOR OVER A THOUSAND YEARS, PEOPLE ACCEPTED THE GEOCENTRIC MODEL: EARTH FIXED AT THE UNIVERSE'S CENTER AND EVERYTHING ELSE ORBITING IT IN PERFECT CIRCLES.

CHRONICLE

THE GEOCENTRIC MODEL SAID PLANETS MOVED IN STRAIGHT LINES AROUND EARTH AND EXPLAINED SKY MOTIONS SIMPLY.

MYTH

THE CHURCH SUPPORTED THE GEOCENTRIC MODEL BECAUSE IT PLACED EARTH AND HUMANS AT THE UNIVERSE'S CENTER.

CHRONICLE

RETROGRADE MOTION (PLANETS APPEARING TO STOP AND MOVE BACKWARD) WAS HARD FOR THE GEOCENTRIC MODEL TO EXPLAIN.

CHRONICLE

COPERNICUS SAID EARTH ROTATES ONCE EVERY 24 HOURS, CAUSING DAY AND NIGHT.

CHRONICLE

COPERNICUS SAID EARTH REVOLVES AROUND THE SUN ONCE A YEAR, EXPLAINING THE SEASONS.

CHRONICLE

COPERNICUS CLAIMED THE SUN ORBITS EARTH DAILY TO EXPLAIN SUNRISE AND SUNSET.

МУТН

THE HELIOCENTRIC MODEL EXPLAINED RETROGRADE MOTION: EARTH OVERTAKING A SLOWER PLANET MAKES IT APPEAR TO MOVE BACKWARD.

CHRONICLE

REPLACING GEOCENTRISM WITH HELIOCENTRISM WAS A MAJOR SCIENTIFIC PARADIGM SHIFT.

CHRONICLE

NICOLAUS COPERNICUS (1473–1543) PROPOSED HELIOCENTRISM AND BEGAN THE COPERNICAN REVOLUTION.

CHRONICLE

COPERNICUS'S BOOK ON THE REVOLUTIONS WAS PUBLISHED IN 1609, LONG AFTER HIS DEATH.

MYTH

BY DENYING EARTH'S CENTRALITY, COPERNICUS CHALLENGED ARISTOTLE, PTOLEMY, AND CHURCH TEACHINGS.

CHRONICLE

JOB WELL DONE

NICOLAUS COPERNICUS

sparked, Scientific Revolution

GALILEO GALILEI

Provided strong evidences using his telescope

JOHANNES KEPLER

Improved Copernicus' model

ISAAC NEWTON

Later explained Planetary Motion

IMPACT OF
Copernican Revolution

IMPACT OF
Copernican Revolution

- Change how people see the universe
- Sparks the Scientific Revolution, inspiring Galileo, Kepler, and Newton.
- Makes people question old beliefs.
- Leads to new discoveries and later technology like telescopes and instruments.

IMPACT OF
Copernican Revolution

Change how people see the universe

- Started the Scientific Revolution, inspiring Galileo, Kepler, and Newton.

Made people question old beliefs

Led to new advances in math and later technology like telescopes and instruments.

IMPACT OF
Copernican Revolution

Change how people see the universe

Sparked the Scientific Revolution, inspiring Galileo, Kepler, and Newton

- Made people question old belief

Led to new methods, tools, and later technology like telescopes and instruments.

IMPACT OF
Copernican Revolution

Change how people see the universe

Sparked the Scientific Revolution, inspiring Galileo, Kepler, and Newton

Made people question old beliefs

- Helped navigation, mapmaking, and later technology like telescopes and instruments.

CONTROVERSIES OF
Copernican Revolution

CONTROVERSIES OF
Copernican Revolution

- **Religion vs Science:** The Church opposed heliocentrism

  - The Scientific Revolution, including Galileo, Kepler, and Newton

CONTROVERSIES OF
Copernican Revolution

IT ACT: Bible is aligned with Science

- **Misinterpretation:** Psalm 104:5 - “He has Established the earth on its foundations; It will not be moved from its place forever and ever.”

CONTROVERSIES OF
Copernican Revolution

- **IN FACT:** Bible is aligned with Sience

1473 BCE – 1543 BCE

"Earth suspends on nothing"

1687 BCE

Isaac Newton explained why Earth is suspended in space, through his law of motion and universal gravitation

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- 1473 BCE | Job 26:7
  "Earth suspends on nothing"

1687 BCE
Isaac Newton explained why Earth is suspended in space, through his law of motion and universal gravitation.

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- **1687 BCE**
  Isaac Newton explained why Earth is suspended in space, through his law of motion and universal gravitation

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- 732 | BCE Isaiah 40:22
  Earth is Circle or Sphere

530 BCE Pythagoras declares the Earth's shape to be sphere

384 BCE Aristotle provided observational evidence, such as a round shadow during a lunar eclipse

240 BCE Eratosthenes measures the Earth's circumference proving its spherical shape

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- 500 BCE-Pythagoras declares the Earth's shape to be sphere

- 4 BCE-Aristotle provided observational evidence, such as a round shadow during a lunar eclipse

- 240 BCE-Eratosthenes measures the Earth's circumference proving its spherical shape

732 | [illegible] 40 %

Earth is Oblate Sphere

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- 384 BCE- Aristotle provided observational evidence, such as a round shadow during a lunar eclipse

CONTROVERSIES OF
Copernican Revolution

IN FACT: Bible is aligned with Sience

- 240 BCE- Eratosthenes measures the Earth's circumference proving its spherical shape

MODERN RELEVANCE OF *Copernican Revolution*

MODERN RELEVANCE OF *Copernican Revolution*

- Basis of astronomy and space science today (satellites, space travel, GPS).
- Taught us to question authority and look for proof and evidence.
- Provides an example of critical thinking and the scientific method.

MODERN RELEVANCE OF *Copernican Revolution*

- Basis of astronomy and space science today
- Illustrates a paradigm shift
- Taught us to question authority and look for proof and evidence.
- Galileo's trial is an example of critical thinking and the scientific method.

MODERN RELEVANCE OF *Copernican Revolution*

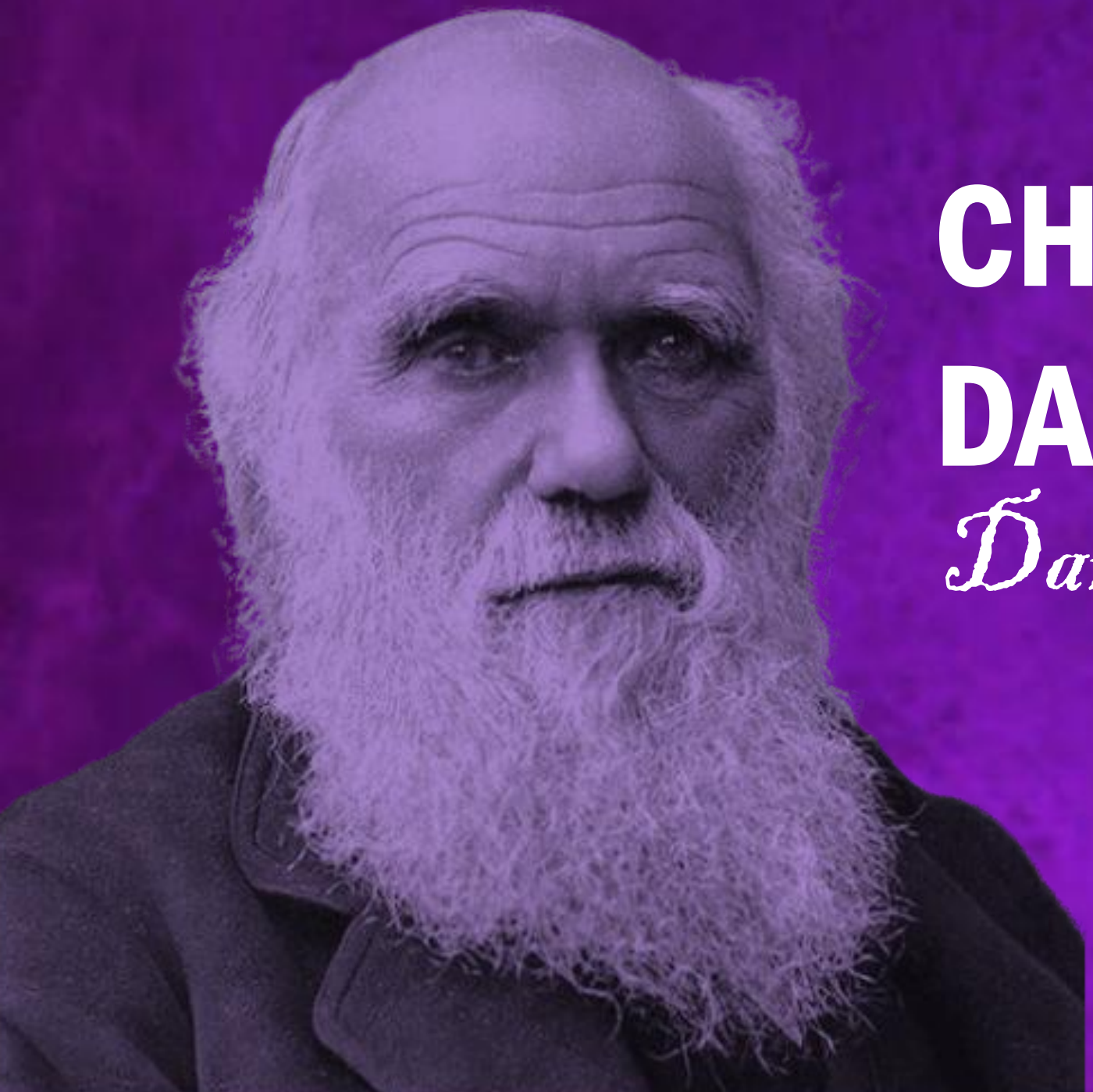
Reminds us that knowledge can change, and that progress requires questioning.

Teaches us to question authority and look for proof and evidence.

- Still used in schools as an example of critical thinking and scientific method.

MODERN RELEVANCE OF *Copernican Revolution*

- Reminds us that knowledge can change, and we should stay open-minded.
- Teaches us to question authority and look for proof and evidence.
- Shows us in science, it's an example of critical thinking and scientific method.



CHARLES DARWIN

Darwinian Revolution

KEY CONCEPTS

Darwinian Revolution

VARIATION

Individuals in a species naturally differ in traits like size.

HEREDITY

Traits are passed from parents to children through generations.

NATURAL SELECTION

Advantageous traits help organisms survive and reproduce more successfully.

KEY CONCEPTS

Darwinian Revolution

DESCENT WITH MODIFICATION

Species gradually change over time, sharing common ancestral roots.

STRUGGLE FOR EXISTENCE

Limited resources cause competition, only strongest survive and reproduce.

KEY CONCEPTS

Darwinian Revolution

ADAPTATION

Populations develop traits that suit their specific environment better.

COMMON ANCESTRY

All living organisms trace back to the same origins.

HISTORICAL CONTEXT

Darwinian Revolution

PRE-DARWIN SCIENCE

Species never change, God's design

EARLY EVOLUTIONARY IDEAS

Lamarck: traits passed when used

GEOLOGY & FOSSILS

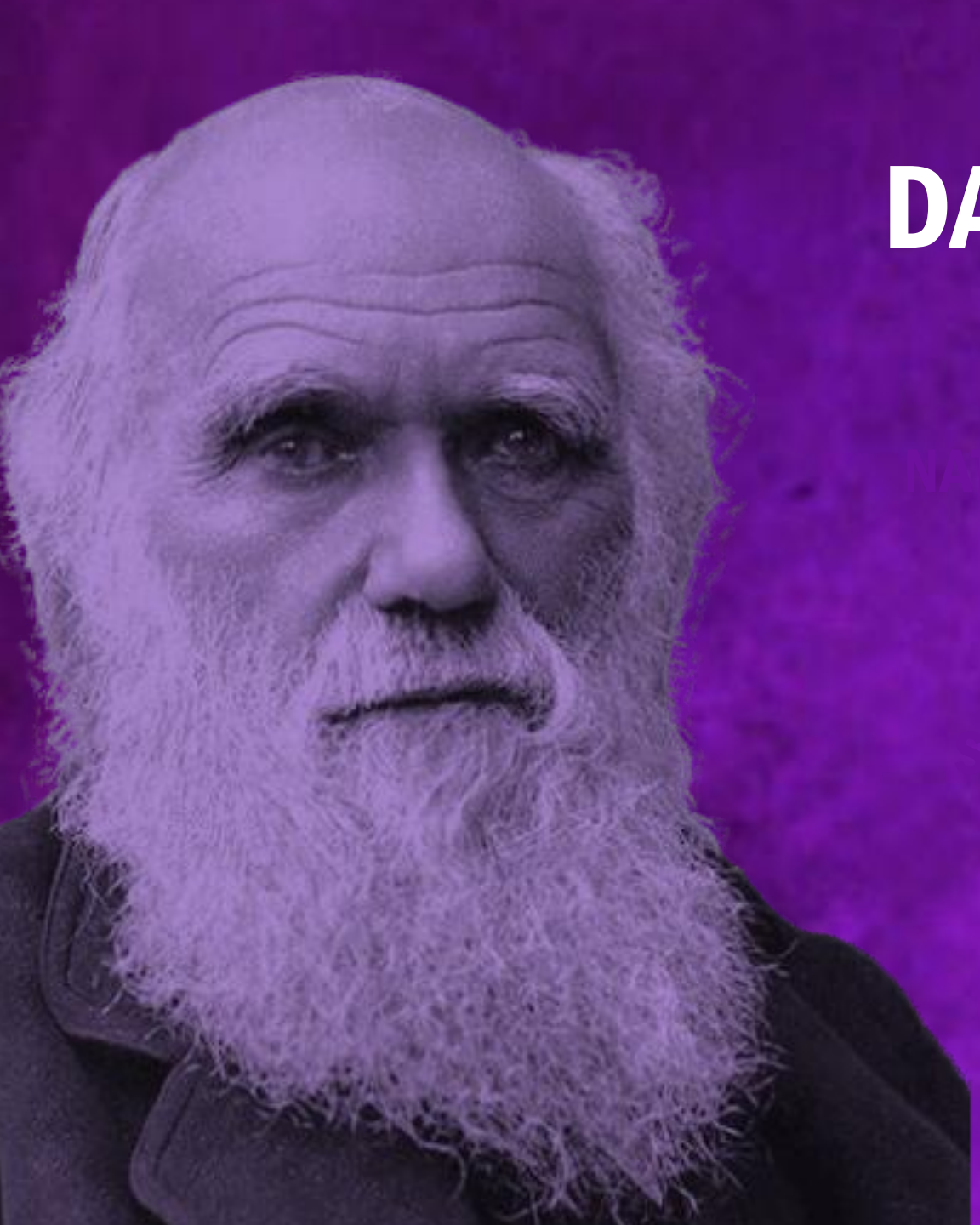
Earth very old, fossils prove

MALTHUSIAN INFLUENCE

Limited food causes survival struggle

1859 TURNING POINT

Darwin explained evolution by selection



DARWIN'S CONTRIBUTION

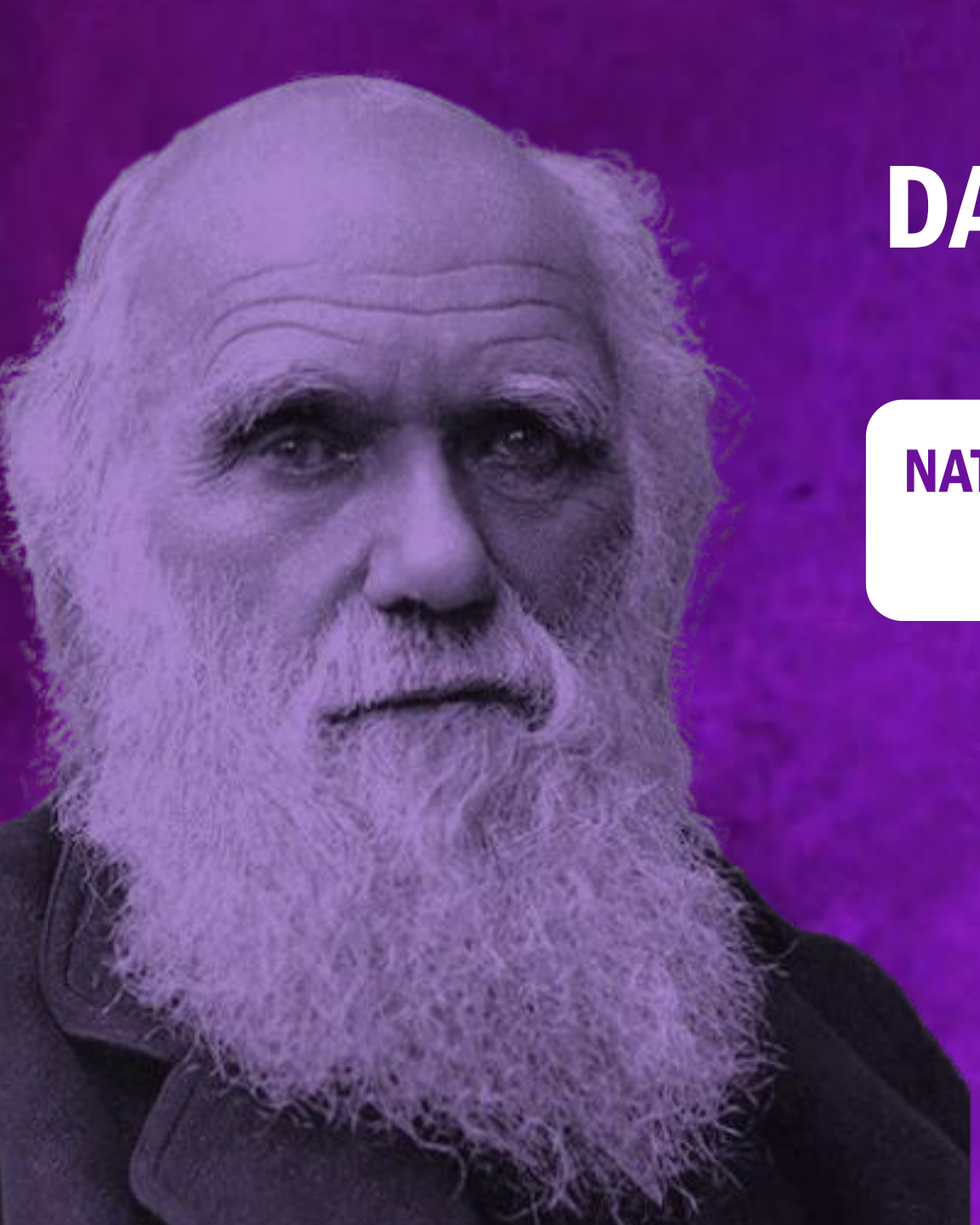
NATURAL SELECTION AS MECHANISM

MASSIVE EVIDENCE BASE

SHIFT IN SCIENTIFIC THINKING

IMPACT BEYOND BIOLOGY

LIMITATIONS AND LEGACY



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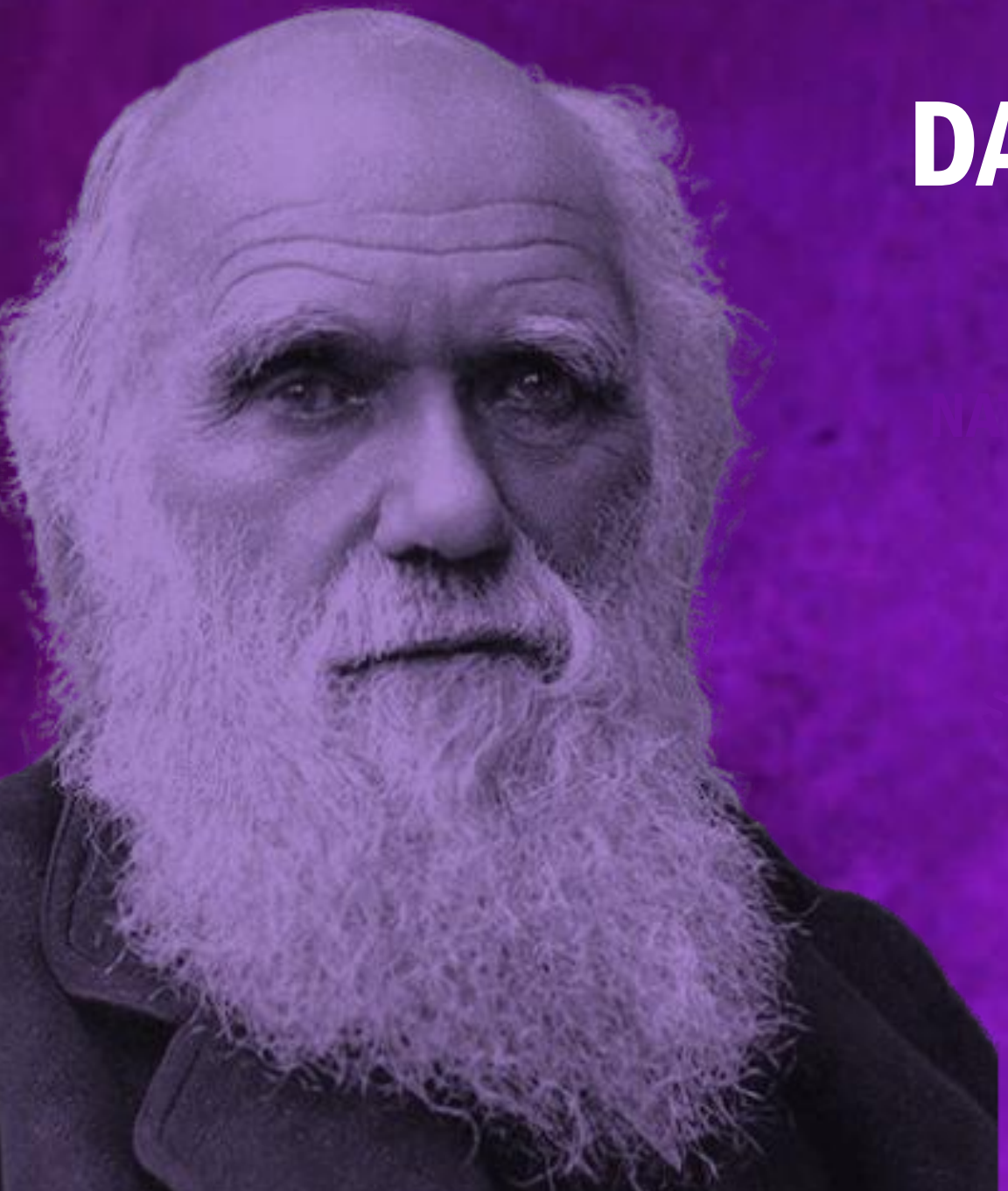

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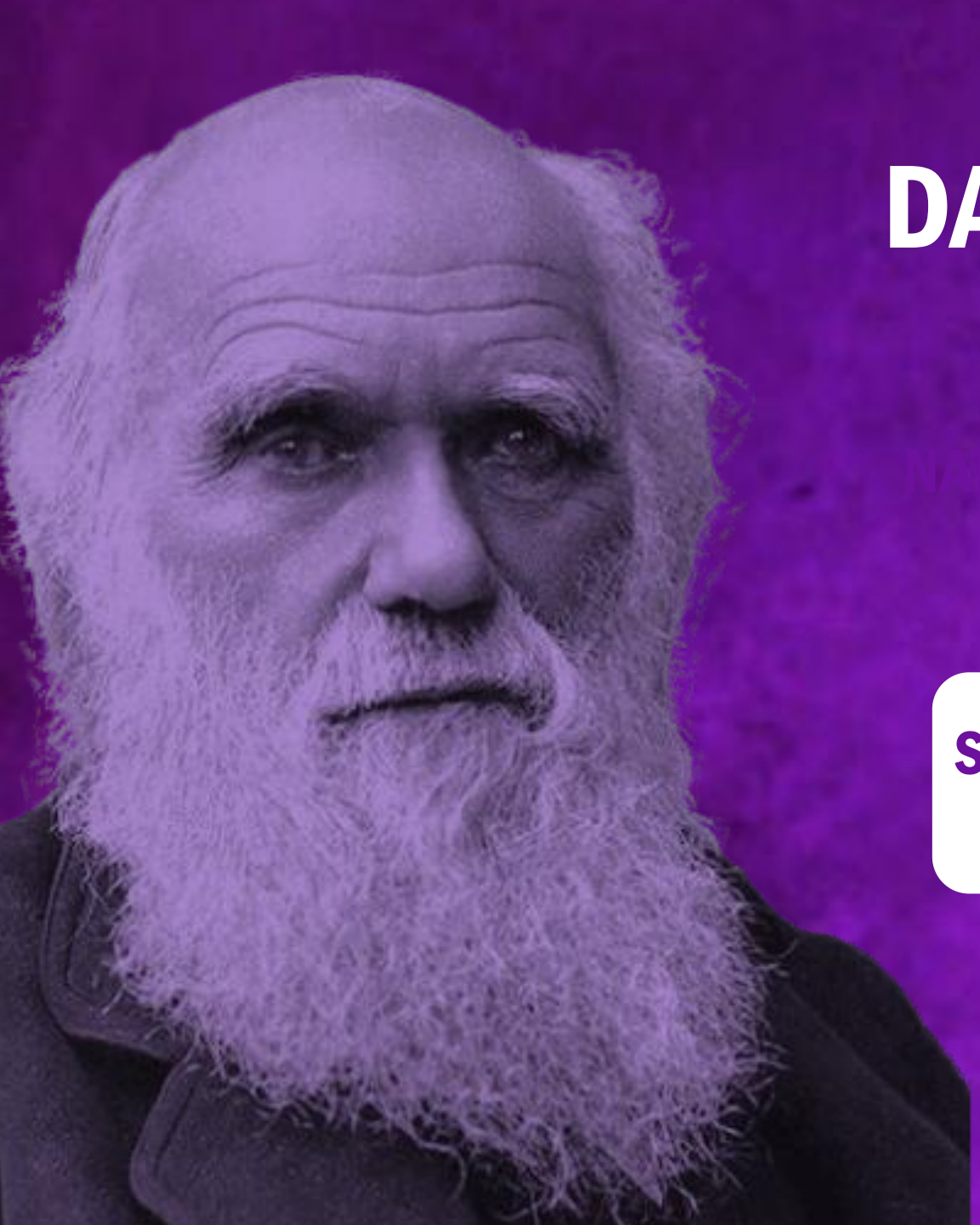

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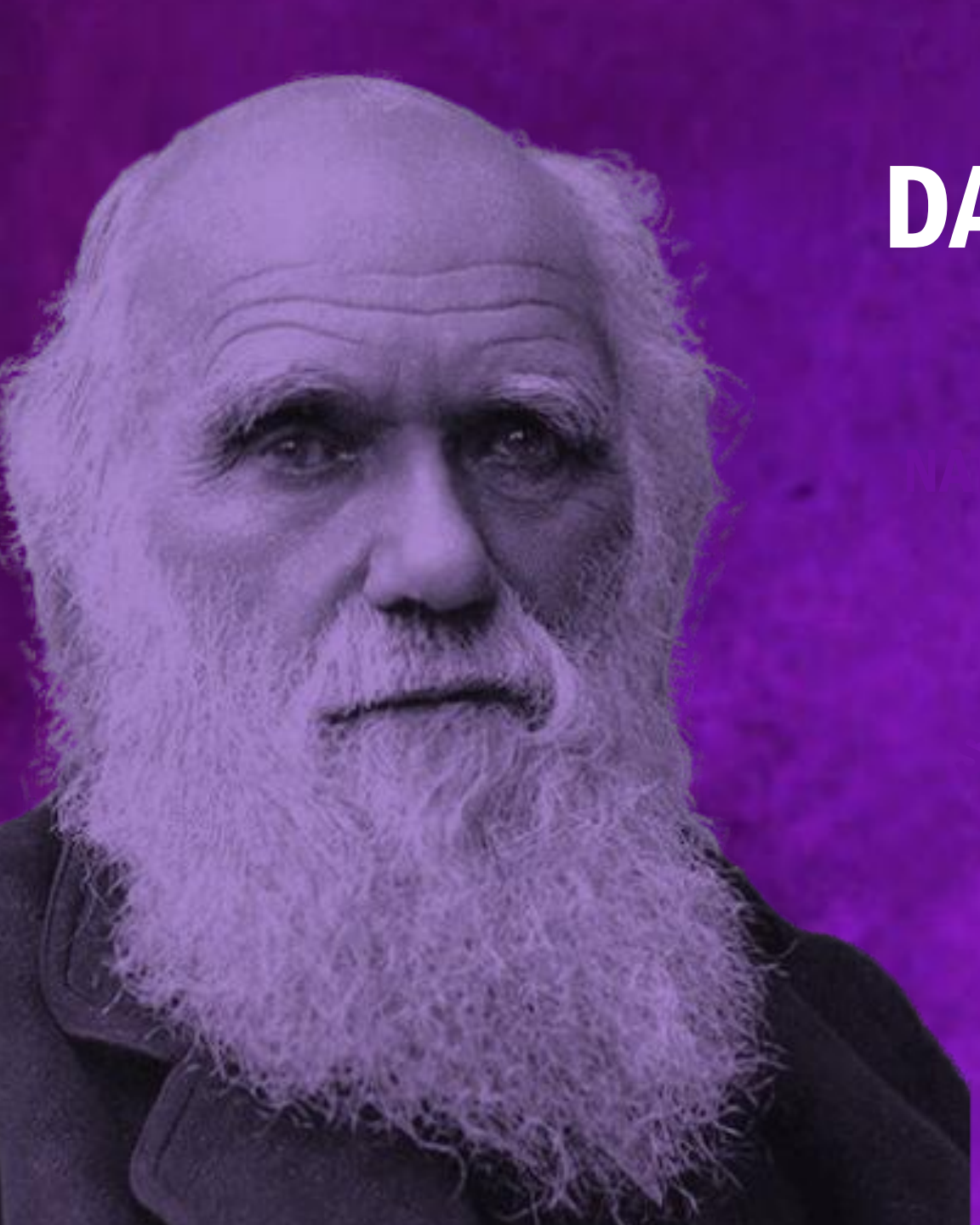

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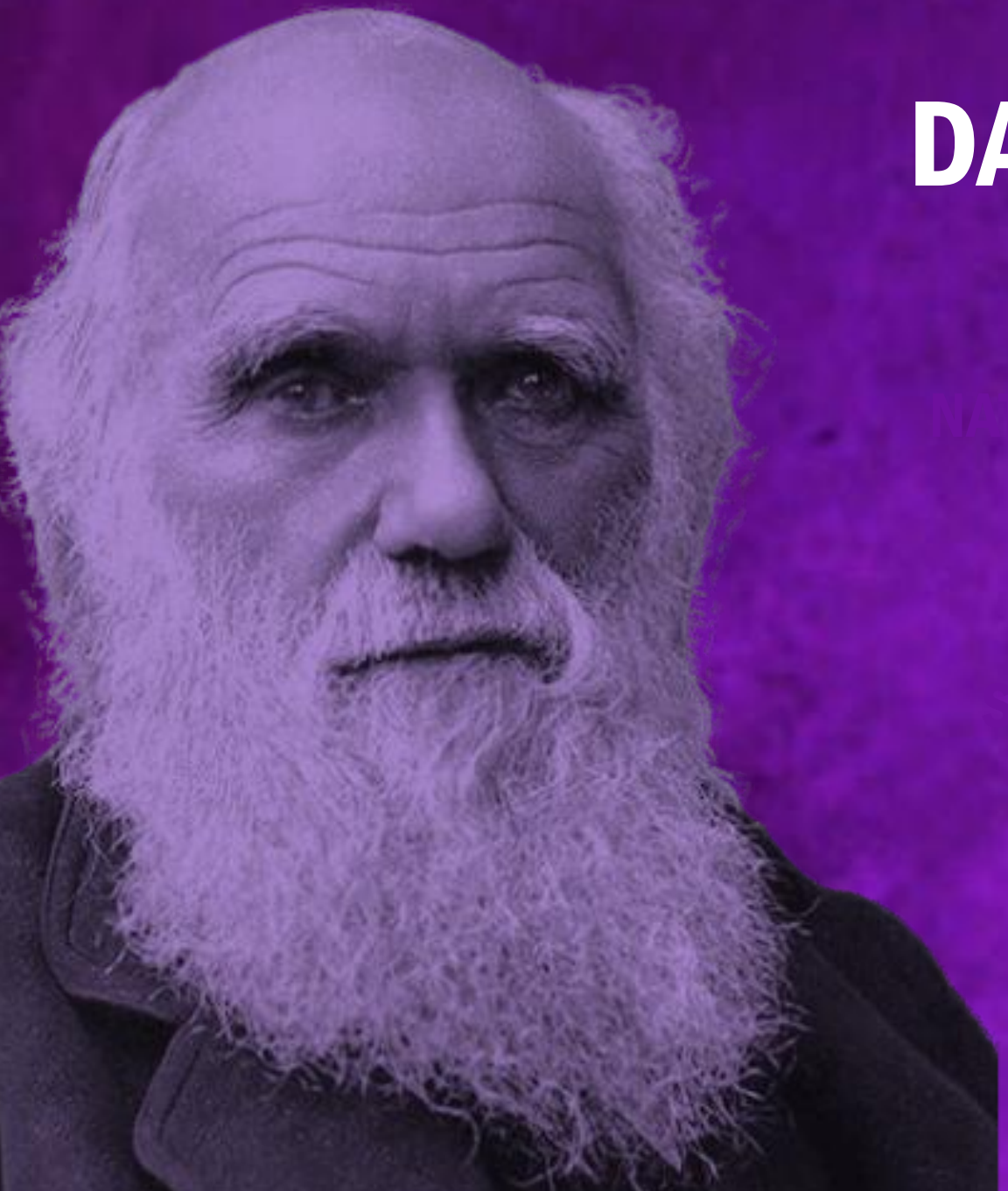

DARWIN'S CONTRIBUTION

NATURAL SELECTION AS MECHANISM

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SHIFT IN SCIENTIFIC THINKING

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LIMITATIONS AND LEGACY

Is natural selection still shaping human evolution in the modern world, or has technology and medicine changed the rules?

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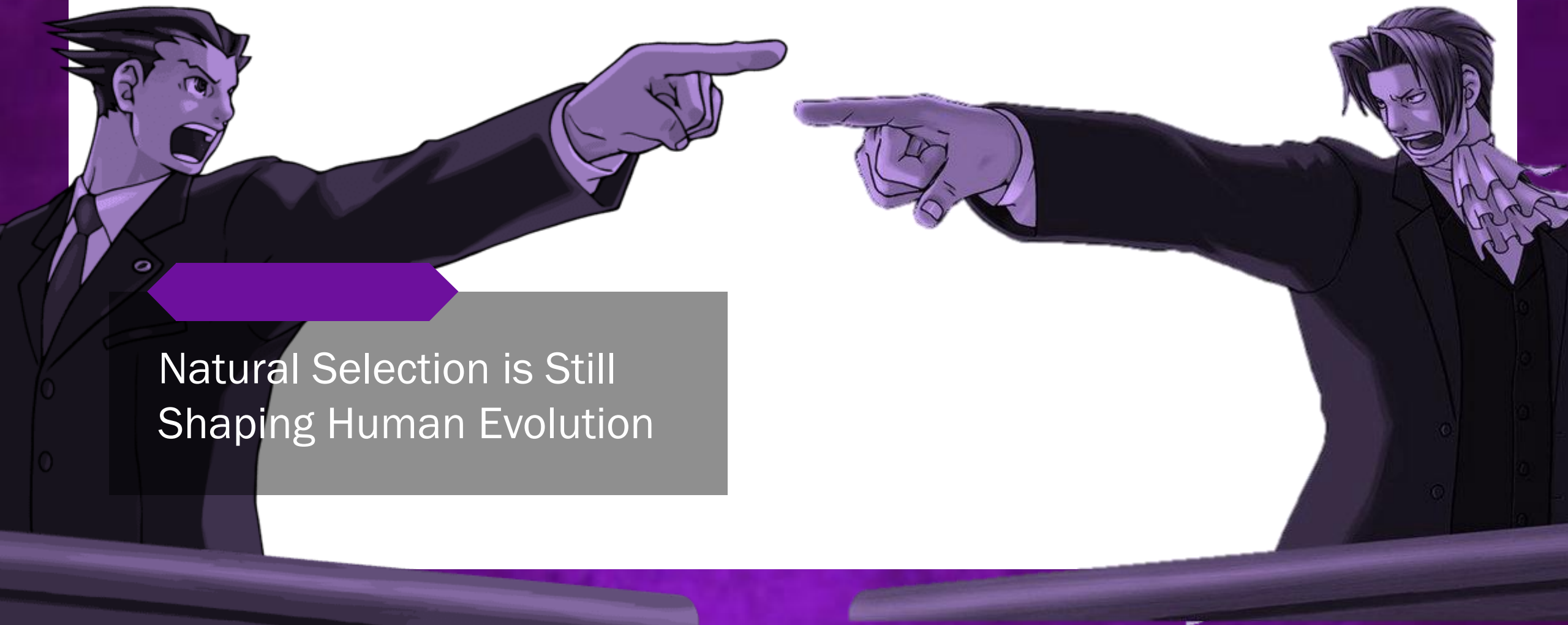

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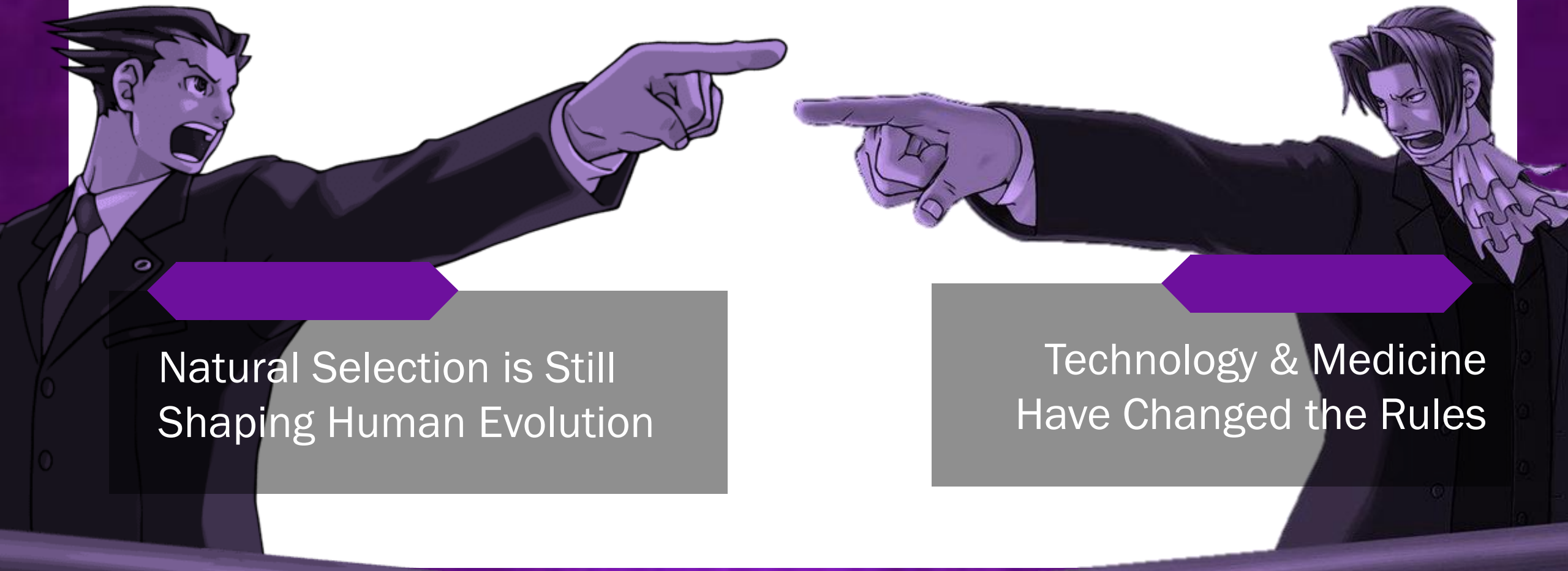


Natural Selection is Still Shaping Human Evolution

Technology & Medicine Have Changed the Rules

Victory!

WIDER IMPACT AND COTROVERSIES

WIDER IMPACT AND COTROVERSIES

Religious Opposition

Many opposed evolution, believing it denied divine human creation.

Scientific Debate

Some scientists accepted Darwin, others doubted without genetics proof.

Social Misuse

Social Darwinism misused evolution to justify inequality and racism.

MODERN RELEVANCE

Biology and Medicine

Evolution explains resistance, mutations, cancer, guiding better medical treatments.

Environmental Science

Conservation uses evolution to protect biodiversity and endangered species.

Education & Society

Evolution debated worldwide, yet central in science education today.

Technological Advances

AI and algorithms inspired by Darwin's natural selection principles.

Your prof said “Attendance is 10% of your grade.” You woke up late, class starts in 5 minutes, and your classmate messages: “Gusto mo, ako na lang mag ‘present’ sa attendance mo?”

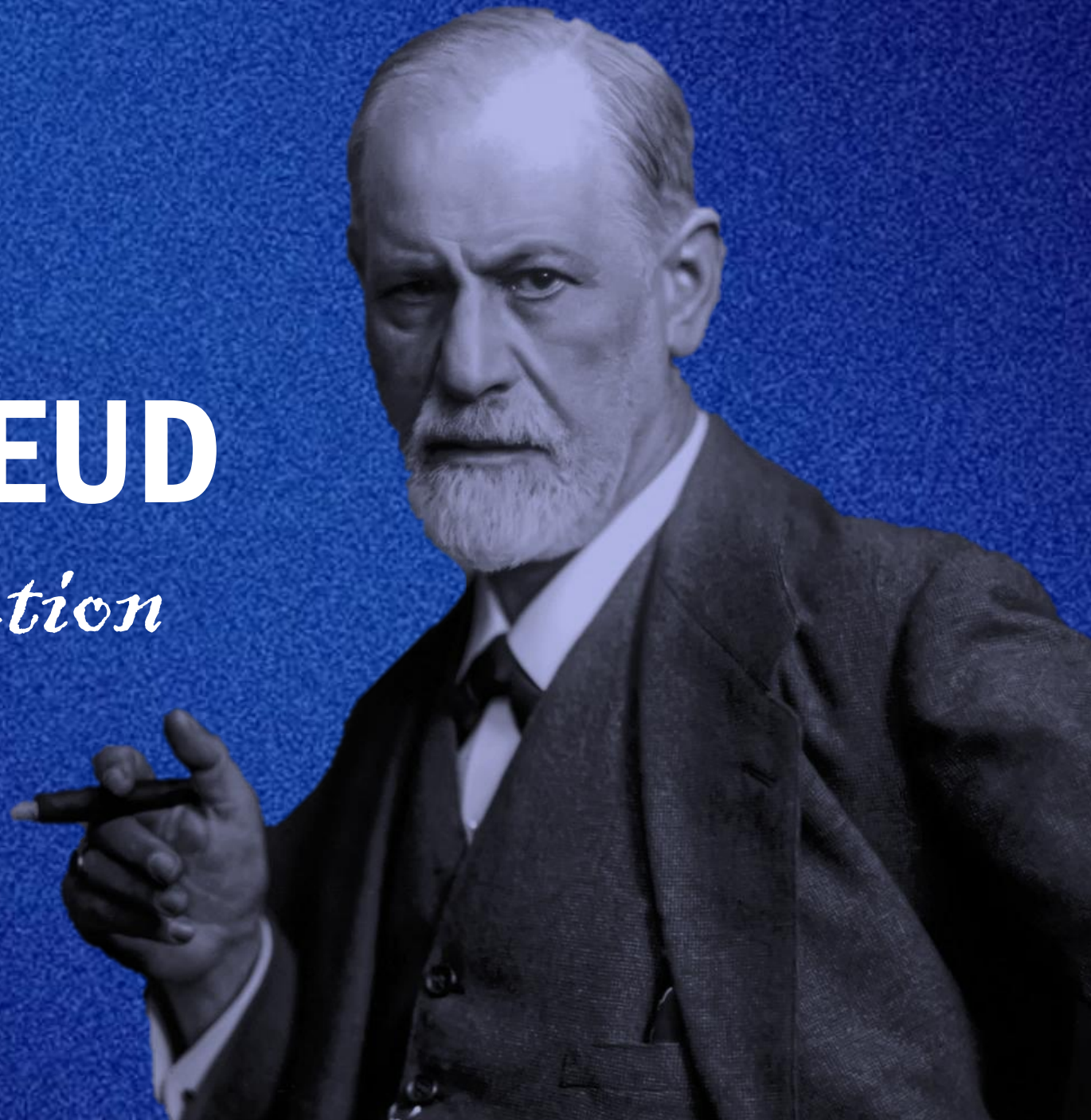
What will you do?

Your professor cracks a corny joke during class, but everyone's silent.
What will you do?

You’re at a birthday handaan. There’s one last piece of lumpiang shanghai on the plate, and both you and your friend want it. What will you do?

SIGMUND FREUD

Freudian Revolution

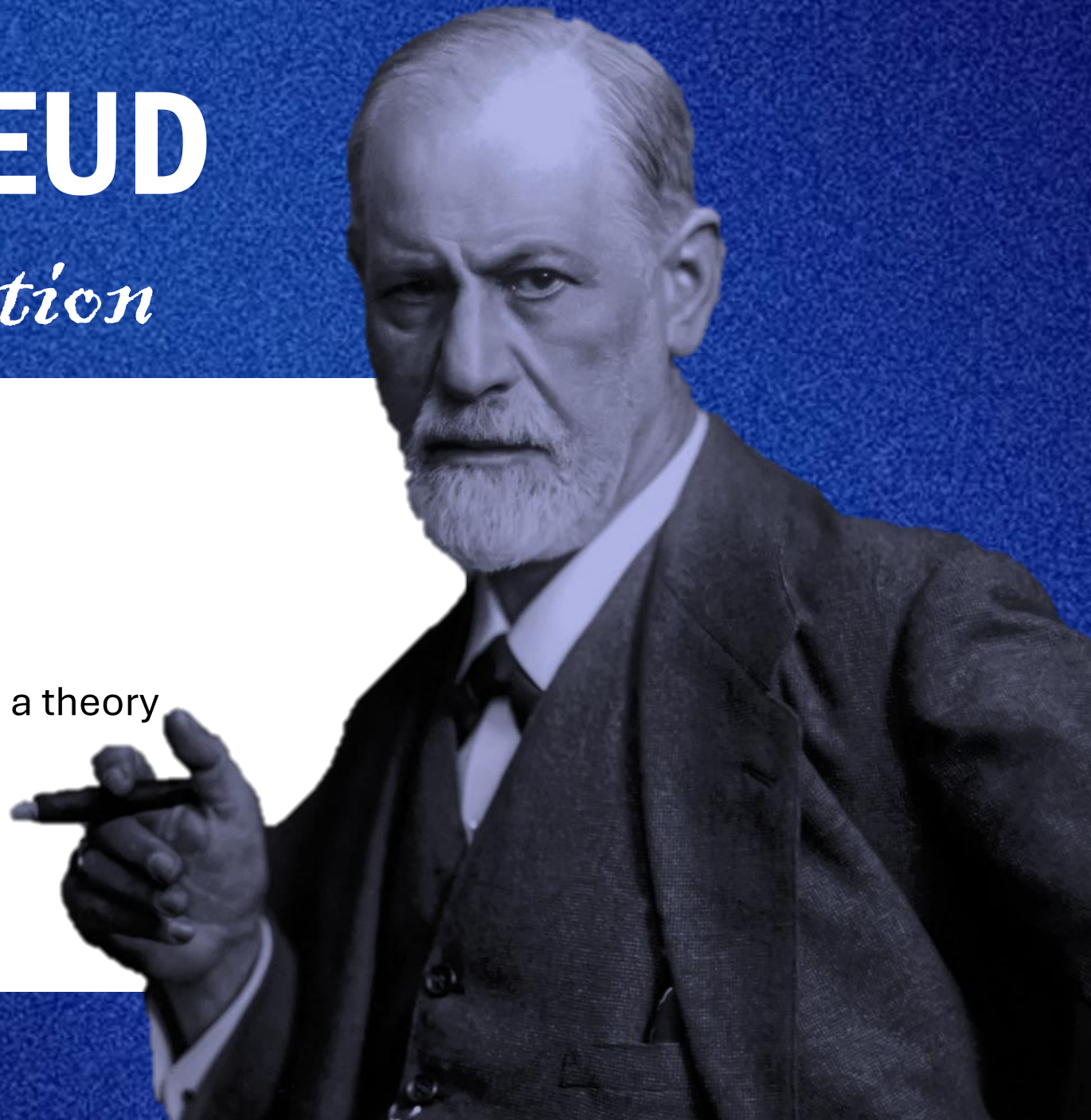


SIGMUND FREUD

Freudian Revolution

Founding Father of Psychoanalysis

a method for treating mental illness and a theory explaining human behavior.



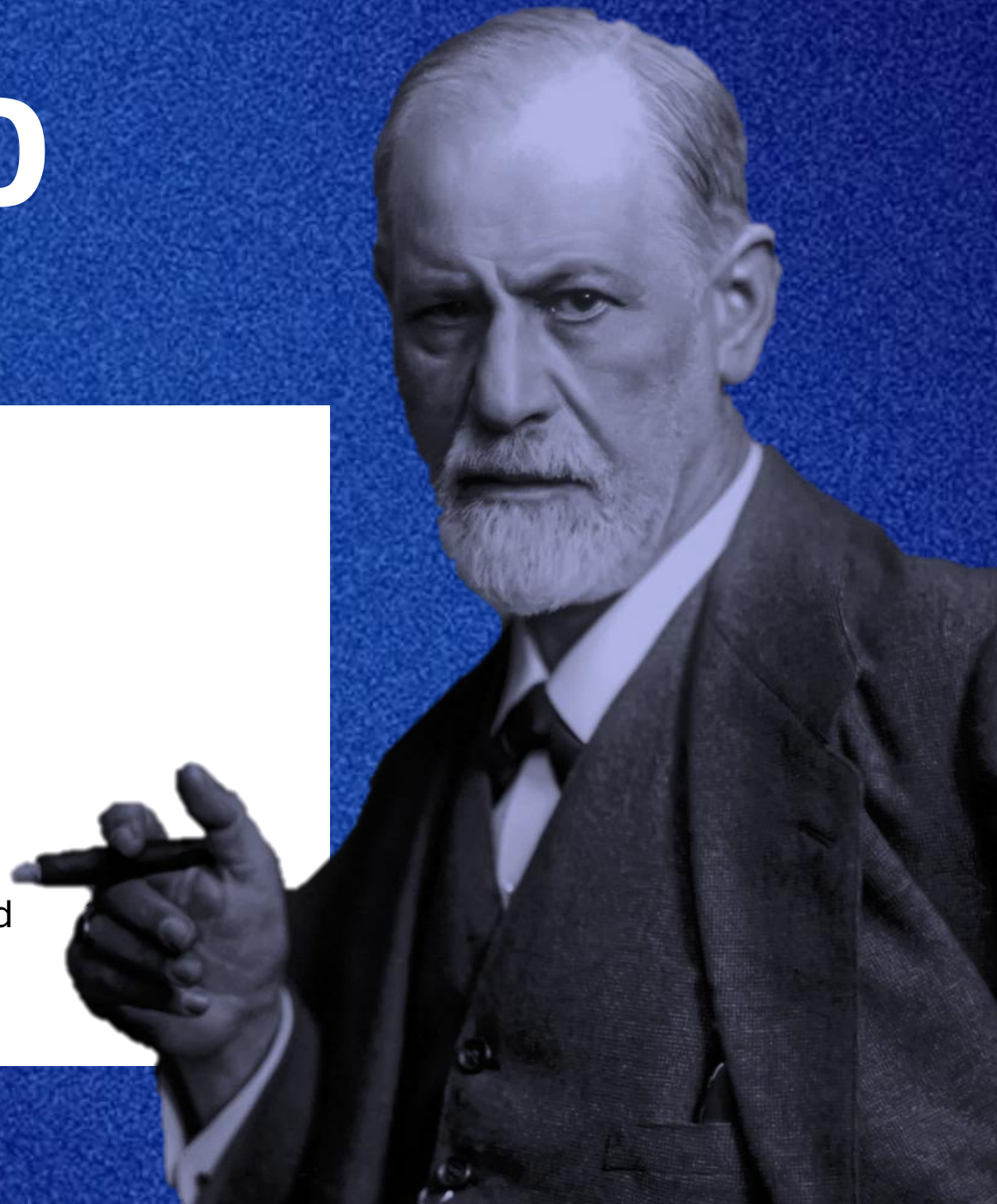
SIGMUND FREUD

Freudian Revolution

ID represents primal desires: instinct and pleasure-seeking drives

EGO rational decision-making self: balances the *Id* and reality

SUPEREGO represents societal norms and moral conscience



THEORIES AND CONTRIBUTIONS

UNCONCIOUS MIND & ICEBERG MODEL

Freud's iceberg shows conscious, preconscious, unconscious mind levels.

CONSCIOUS

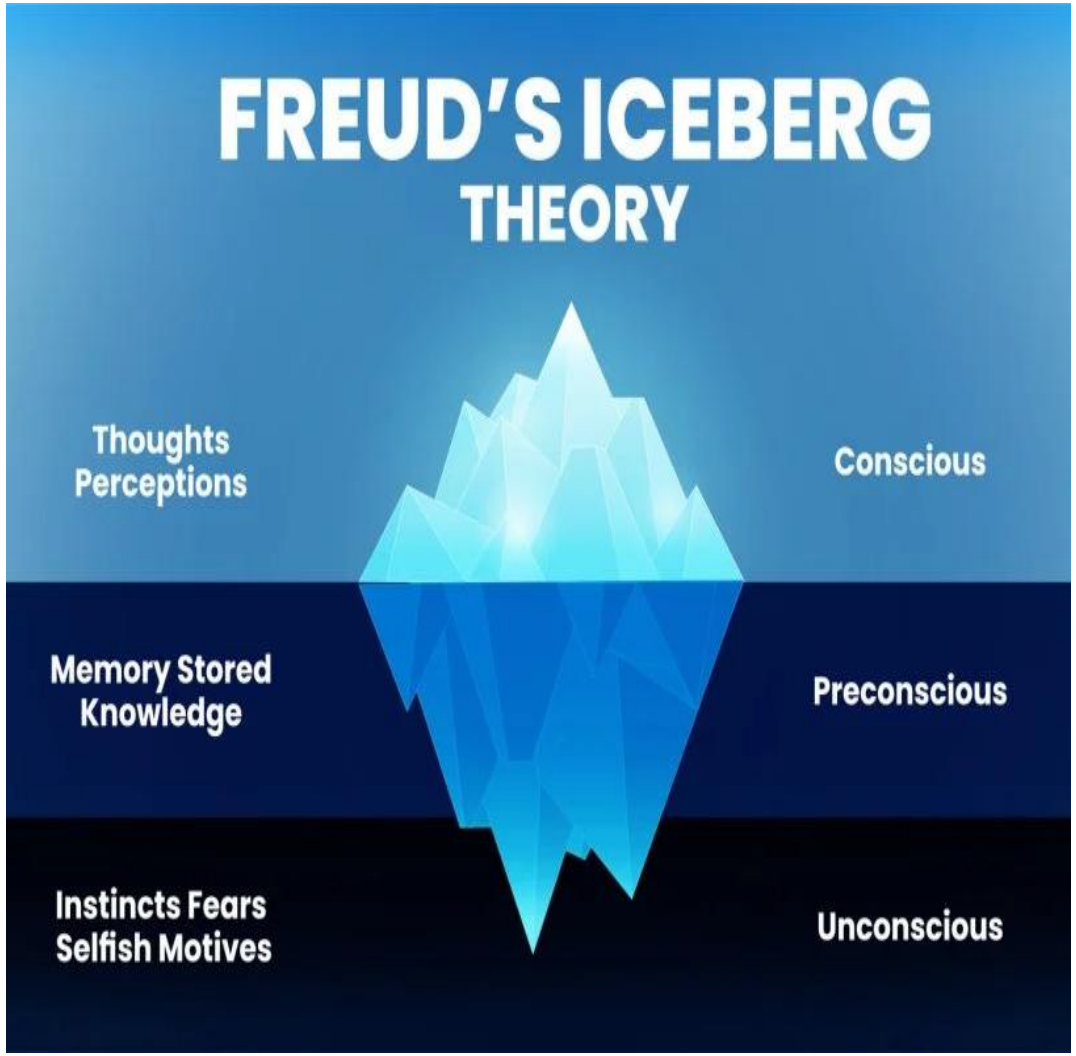
Tip of iceberg, aware thoughts and present feelings.

PRECONSCIOUS

Below surface, memories retrievable with little effort.

UNCONSCIOUS

Hidden mind, repressed desires strongly influence behavior.



PERSONALITY STRUCTURE

Freud proposed a tripartite model of the human mind, composed of the id, ego, and superego.

ID

instinct, pleasure principle (*"I want it now"*).

EGO

reality principle, mediator (*"Let's be realistic"*).

SUPEREGO

moral principle (*"This is right/wrong"*).

THEORIES AND CONTRIBUTIONS

PSYCHOSEXUAL DEVELOPMENT

Childhood stages shape personality, affecting adulthood behavior patterns.

(12 yrs old to puberty)
Adolescence focus on relationships, maturity, sexual and emotional balance.

GENITAL STAGE

(6-12 yrs old)
Childhood calm, social skills, friendships, intellectual growth dominate.

LATENCY STAGE

(3-6 yrs old)
Preschool focus on genitals, Oedipus/Electra conflicts influence identity.

PHALLIC STAGE

(1-3 yrs old)
Toddler control, toilet training shapes orderliness or stubbornness.

ANAL STAGE

(0-1 yrs old)
Infancy focus on mouth, feeding influences trust development.

ORAL STAGE

THEORIES AND CONTRIBUTIONS

DREAM ANALYSIS

Dreams reveal unconscious thoughts, desires, and hidden emotions.

DREAM

Dreams show hidden desires from unconscious mind.

UNFULFILLED WISHES

Id's desires appear disguised through dream symbols.

DREAMWORK

Mind hides unacceptable wishes using dream symbolism.

MANIFEST CONTENT

Events in dreams remembered by dreamer.

LATENT CONTENT

Hidden dream meanings found through interpretation.

THEORIES AND CONTRIBUTIONS

PSYCHOANALYTIC THEORY

Therapy explores unconscious thoughts, feelings, treating mental disorders.

DEFENSE MECHANISM

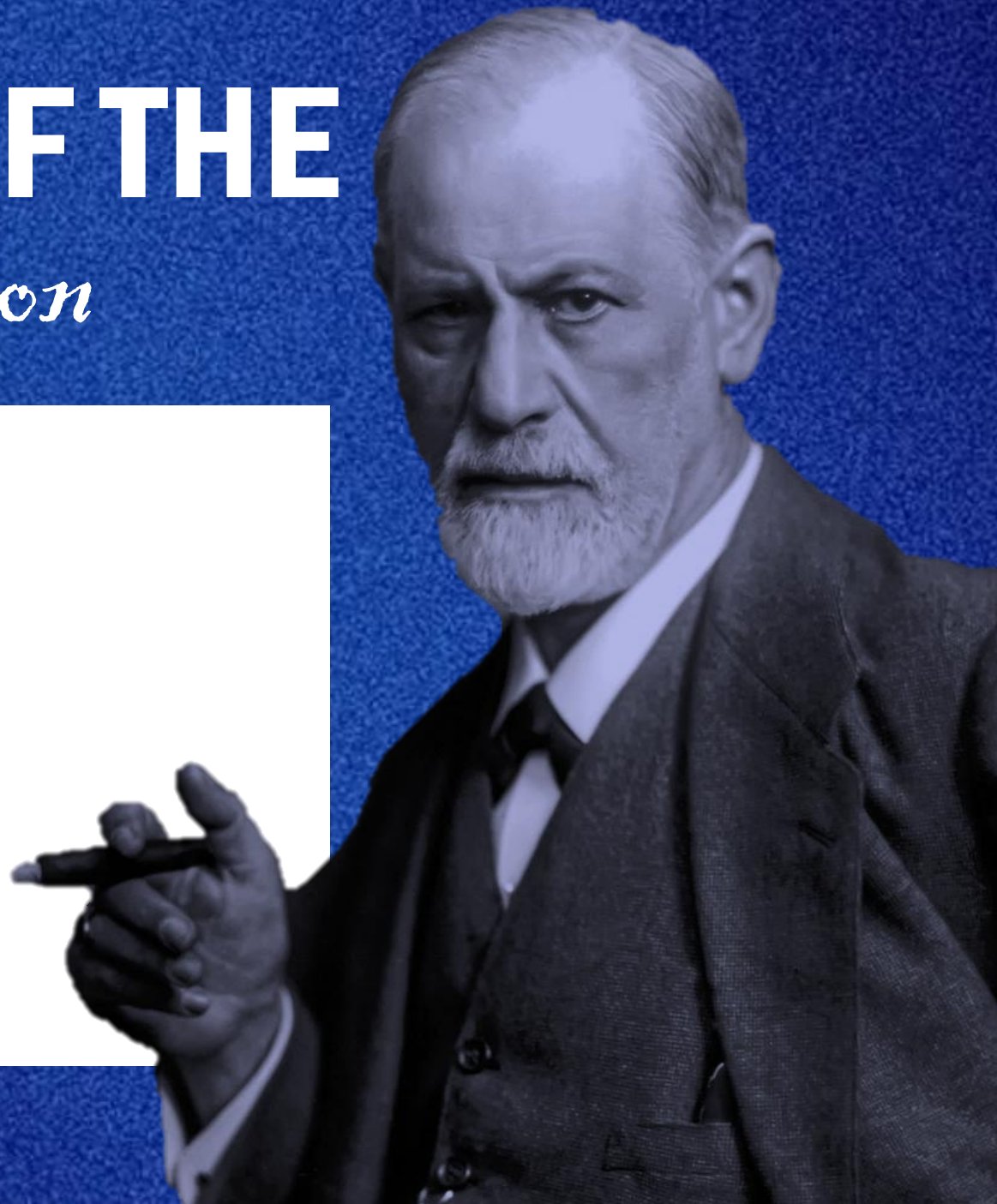
Ego’s tools reduce conflict between id, superego, reality.

WIDER IMPACT OF THE *Freudian Revolution*

PSYCHOLOGY & PSYCHIATRY

LITERATURE & ARTS

PHILOSOPHIES & HUMANITIES



CONTROVERSIES ON

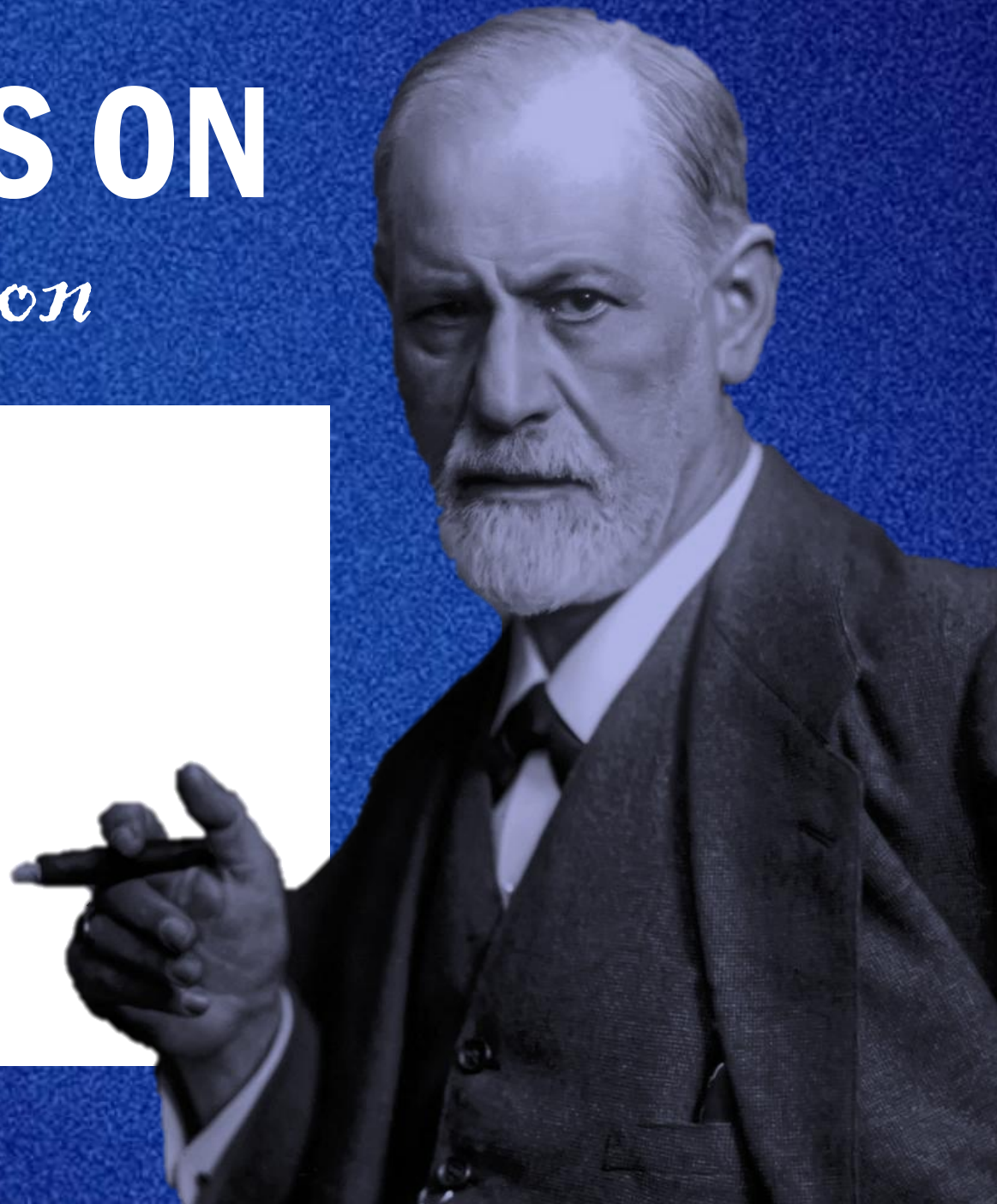
Freudian Revolution

OVEREMPHASIS ON SEXUALITY

SCIENTIFIC VALIDITY

CULTURAL & GENDER BIAS

INTERNAL DISPUTES



MODERN RELEVANCE OF

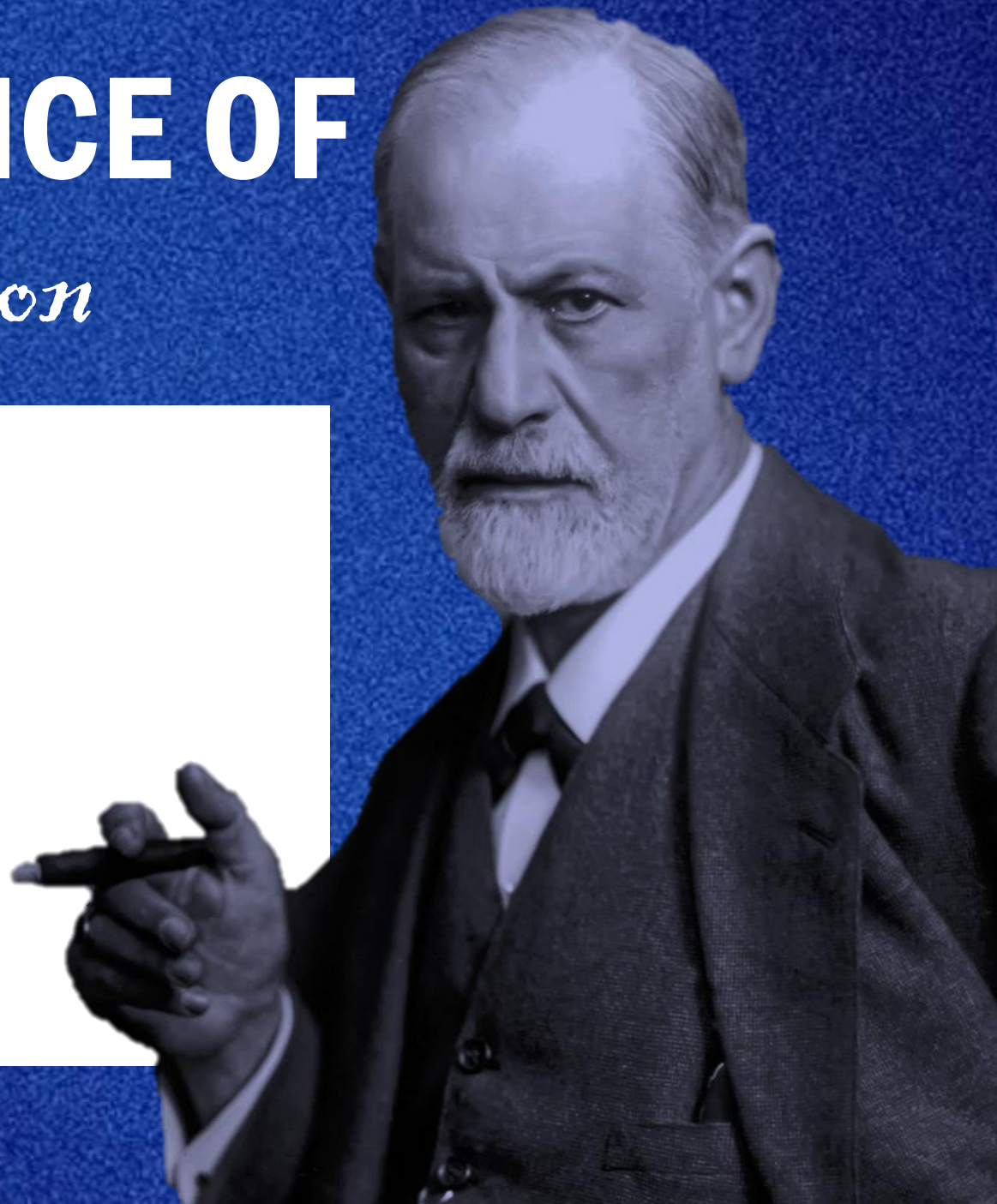
Freudian Revolution

PSYCHOTHERAPHY

Modern therapy uses Freud's ideas on unconscious motives.

NEUROSCIENCE & PSYCHOLOGY

Studies confirm hidden mental processes affect behavior.



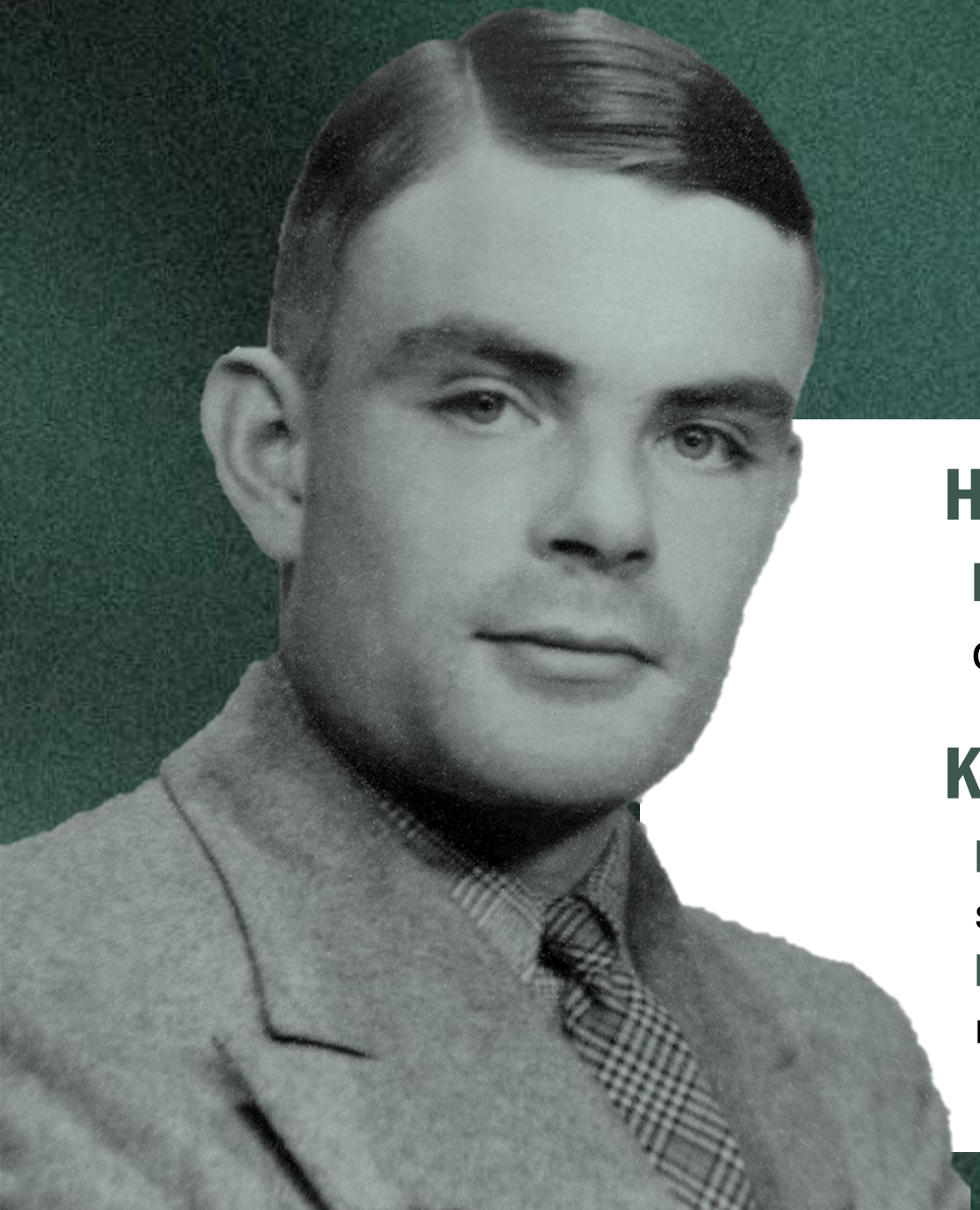
ALAN TURING

Turing Revolution

ALAN TURING

Turing Revolution

TURING'S MACHINE



ALAN TURING

Turing Revolution

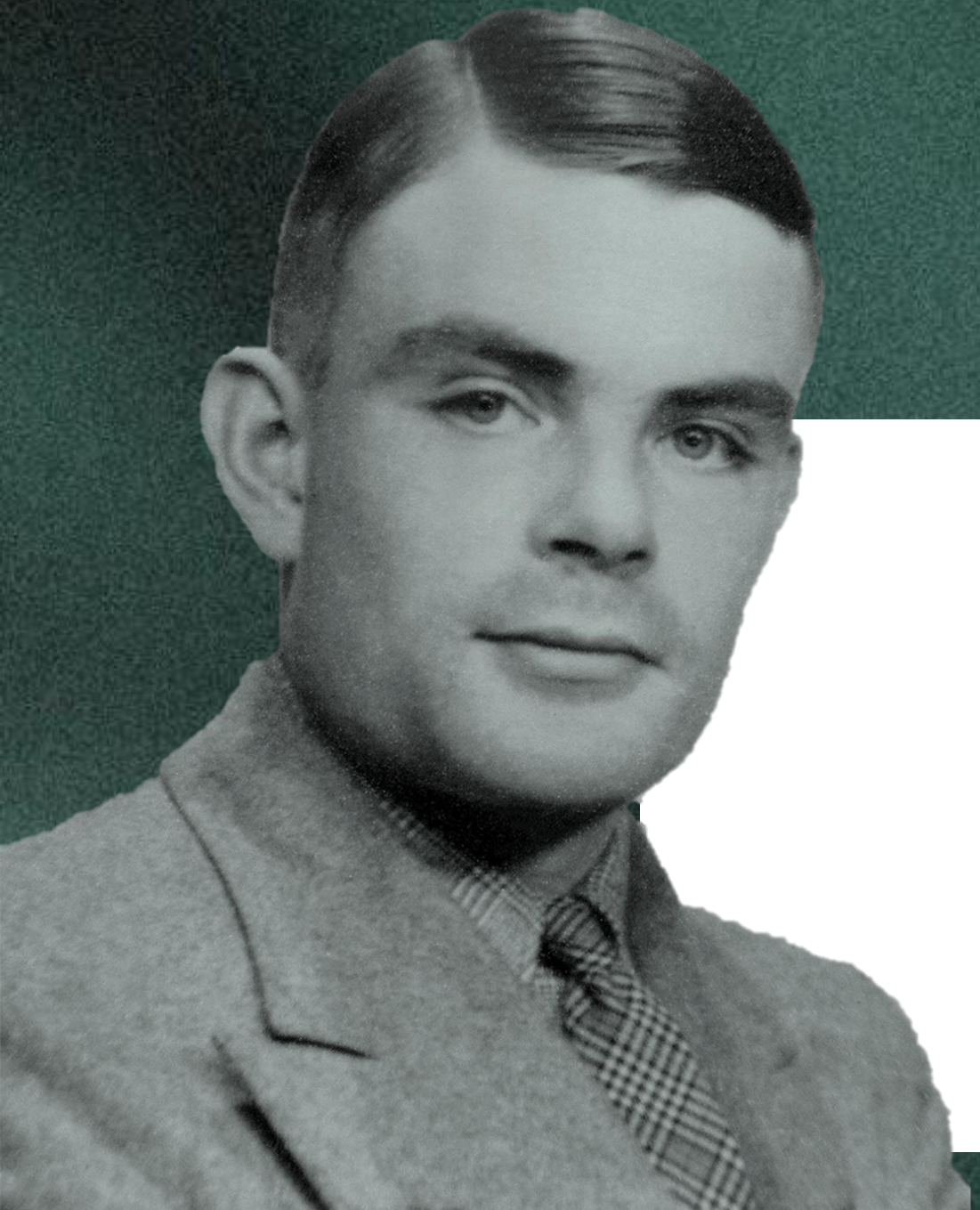
HISTORICAL CONTEXT

Entscheidungsproblem - Turing asked if logic could be automated.

KEY DISCOVERIES

Rule-based Process - Turing Machine can follow any clear steps.

Halting Problem - Some problems can't be solved by machines.



ALAN TURING

Turing Revolution

CLUTCH-TURING THESIS

Anything computable can be done by Turing Machine.

TURING'S CONTRIBUTION

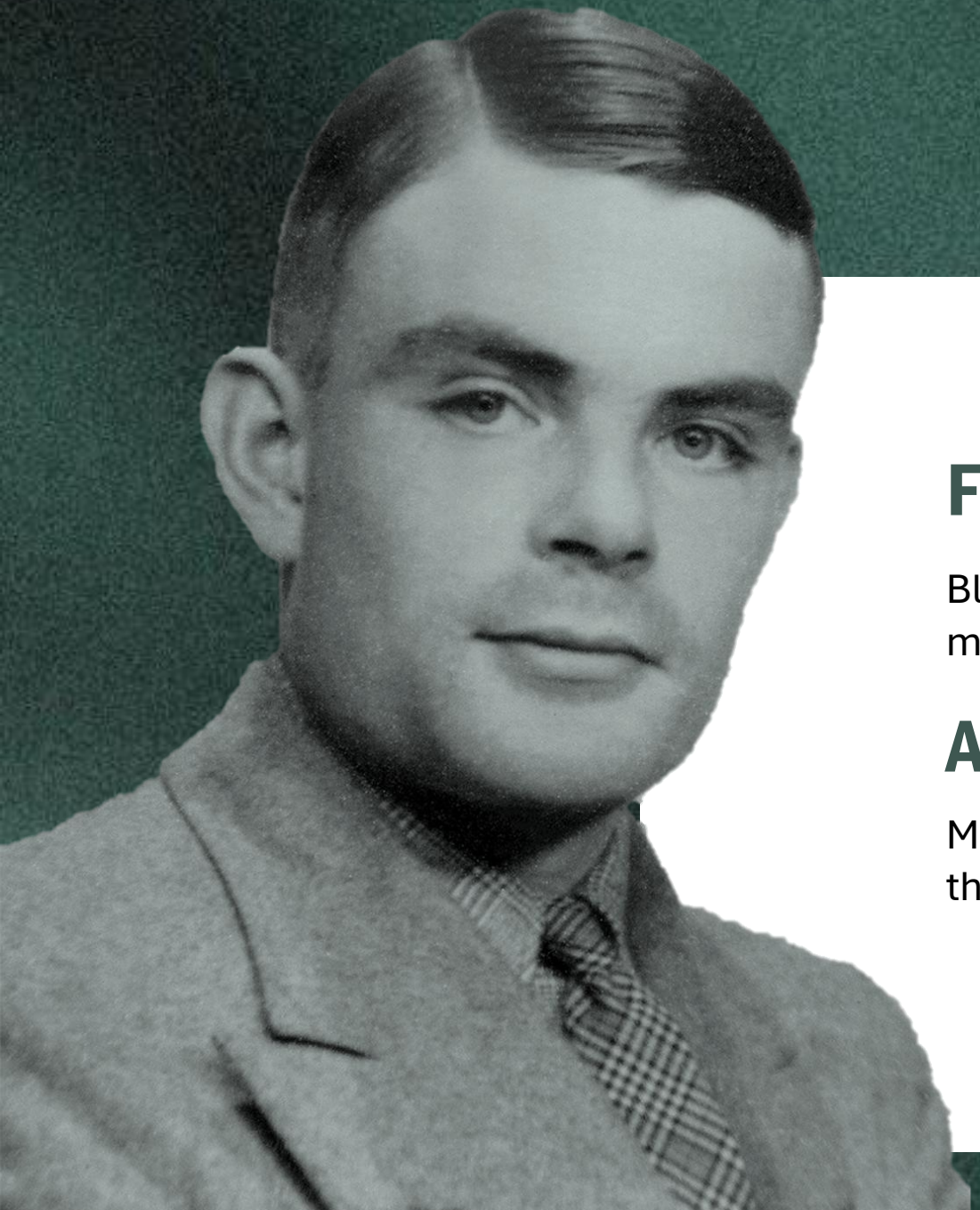
1936
Turing Machine & Computability

1939 -1945
Codebreaking at Bletchley Park

1945 - 1946
Automatic Computing Engine (ACE)

1950
Artificial Intelligence & Turing Test

1952
Morphogenesis (Biology + Computation)



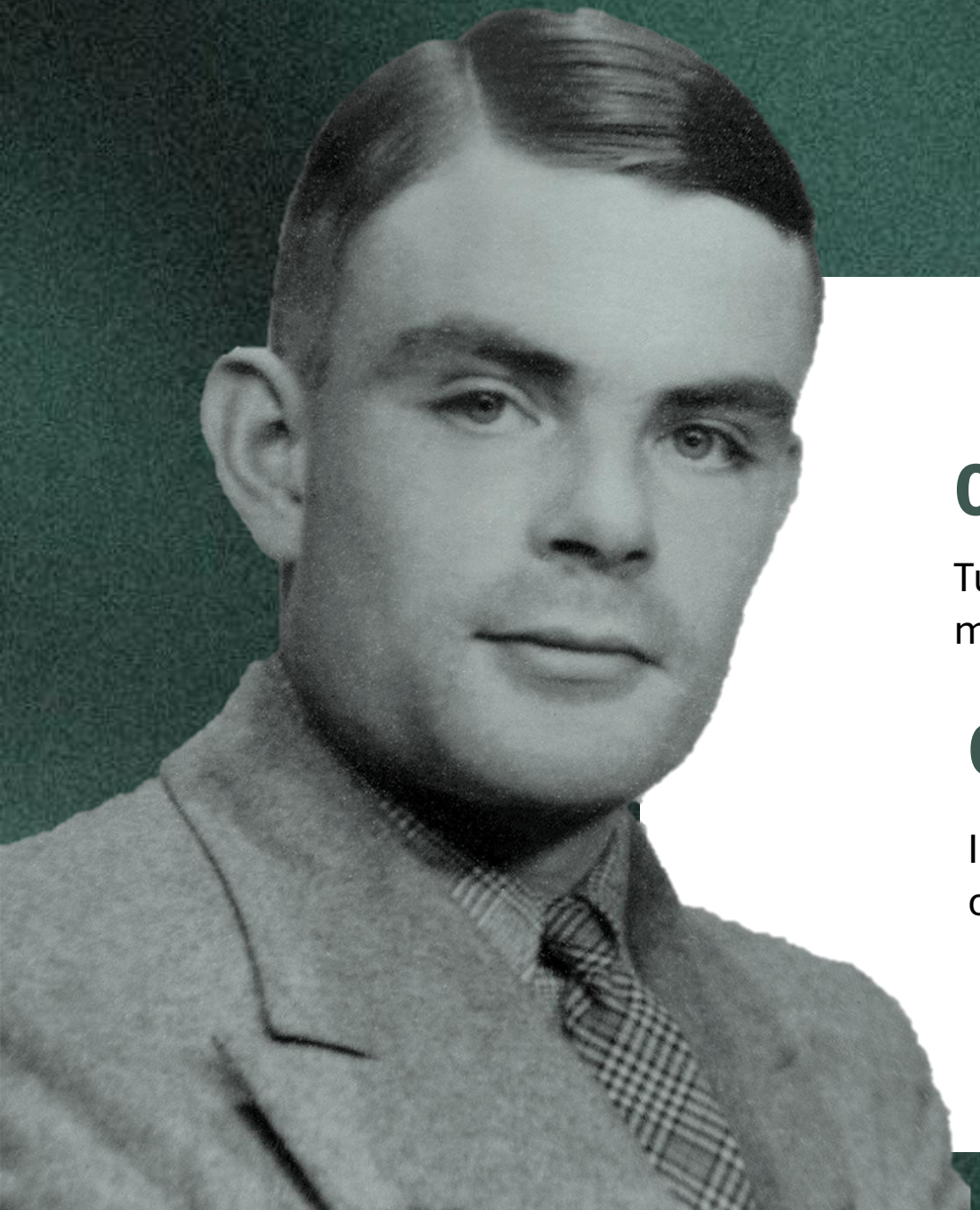
WIDER IMPACT OF
Turing Revolution

FOUNDATION OF COMPUTER SCIENCE

Blueprint for computers, defined computability, influenced math and software.

ARTIFICIAL INTELLIGENCE

Measures machine intelligence by mimicking human thought and behavior.



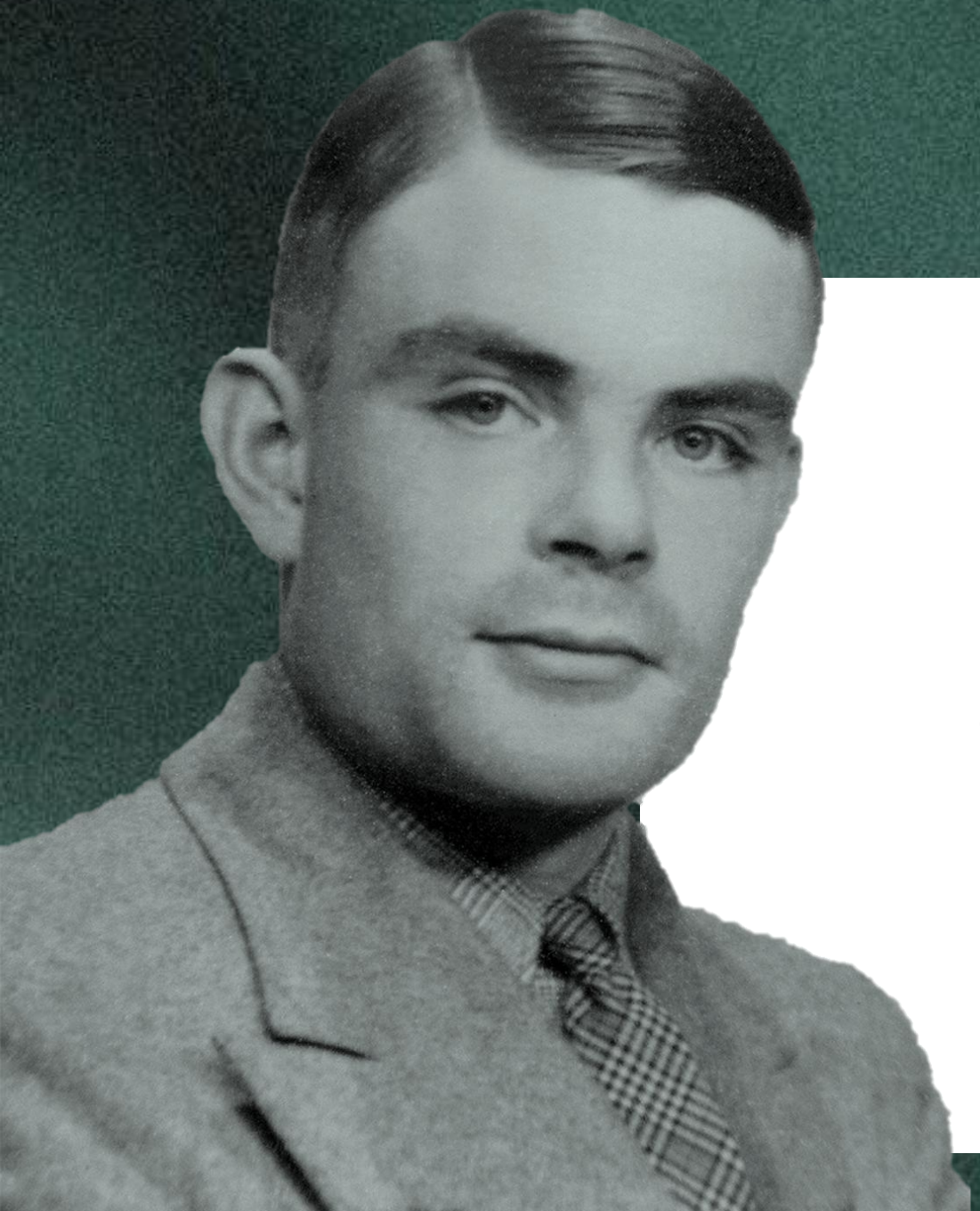
WIDER IMPACT OF
Turing Revolution

CYBERSECURITY & CRYPTANALYSIS

Turing's codebreaking proved algorithms' power, shaping modern cryptography.

COMPLEXITY THEORY

Inspired P vs NP, distinguishing decidable, undecidable computational problems.



CONTROVERSIES ON *Turing Revolution*

PERSECUTION FOR HOMOSEXUALITY

Turing punished for being gay, later honored and pardoned.

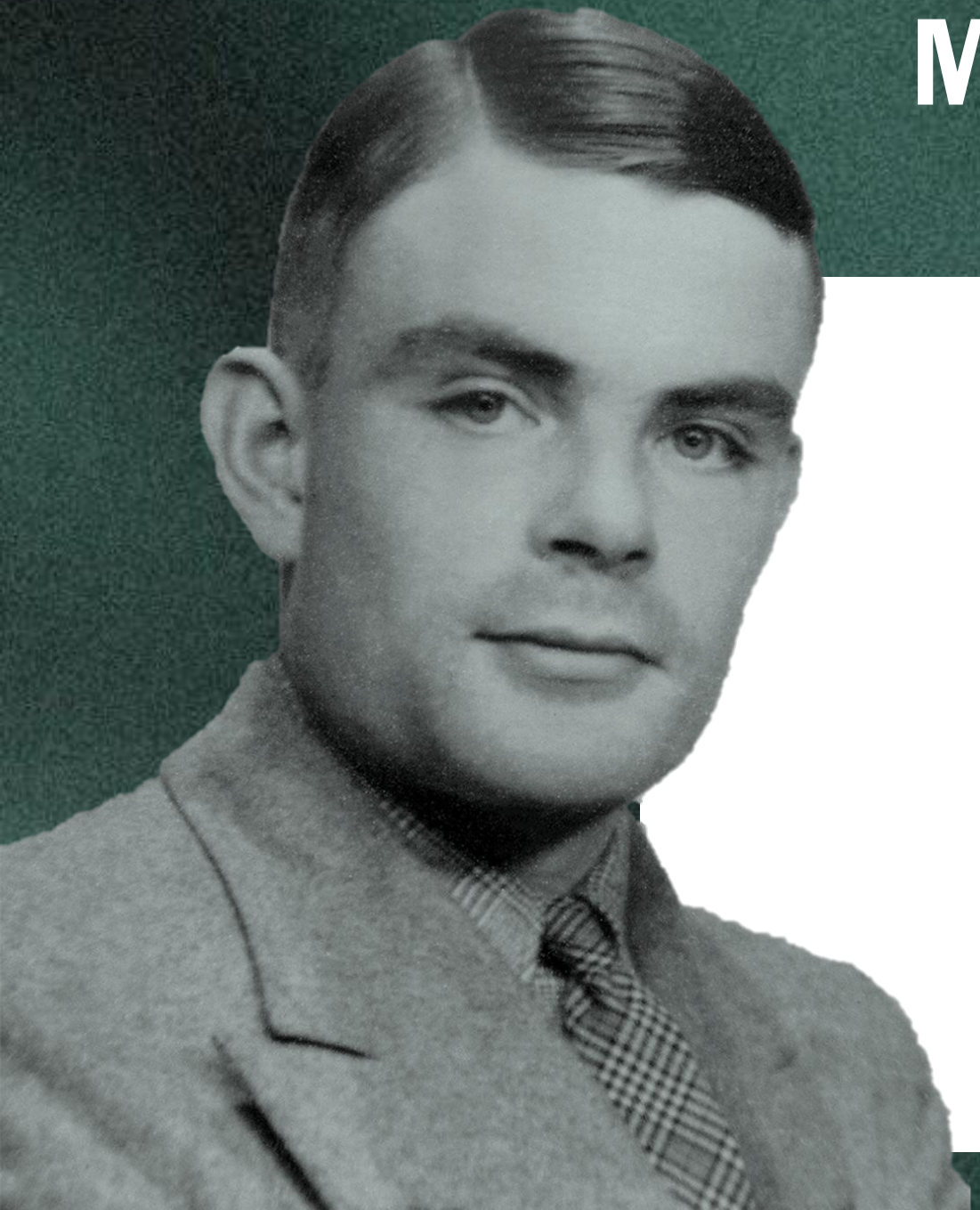
ETHICAL AI DEBATES

Turing Test questions if mimicry equals true intelligence.

LIMITS OF CLASSICAL COMPUTATION

Quantum and biological systems challenge Turing's classical model.

MODERN RELEVANCE OF *Turing Revolution*

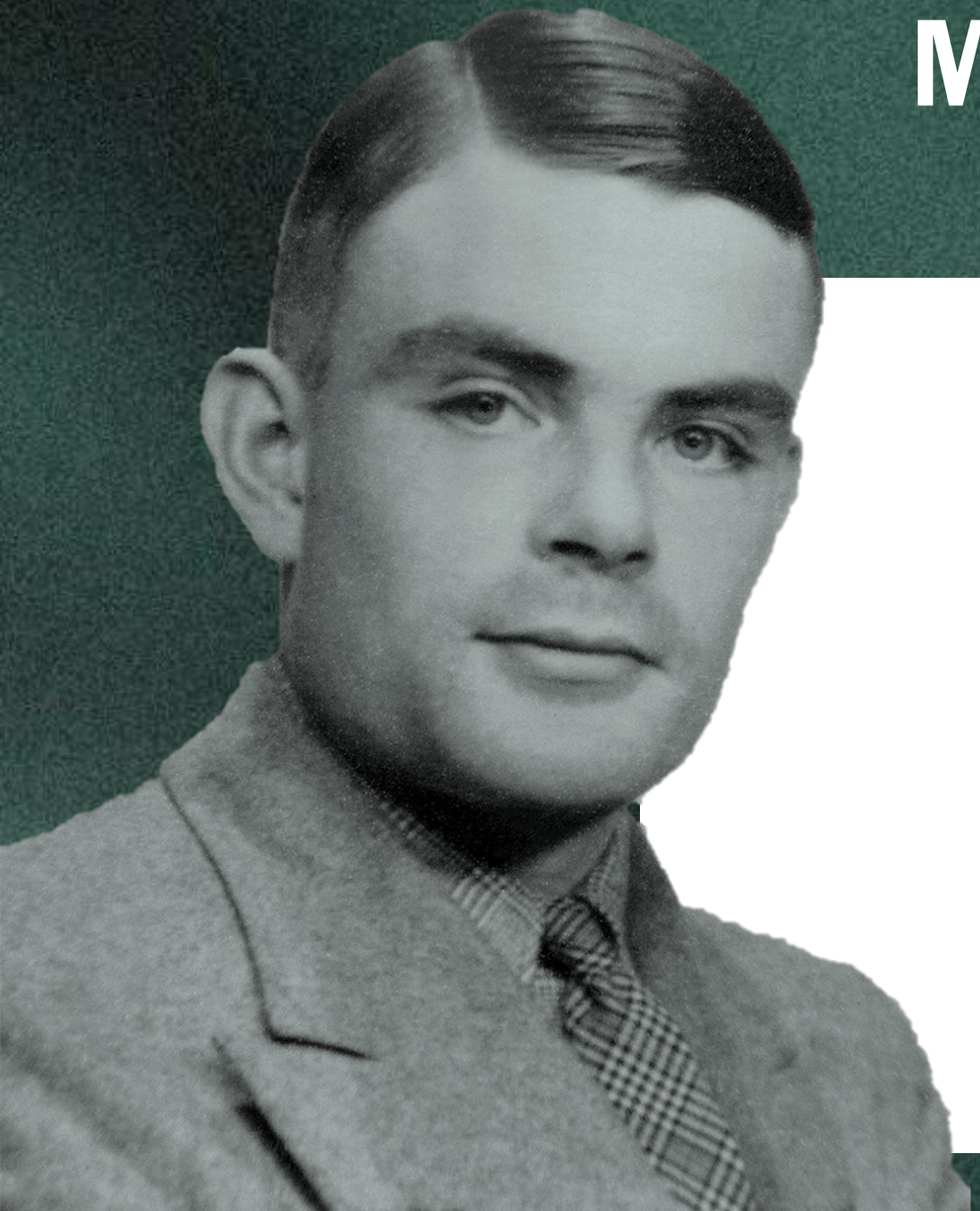


STILL CENTRAL IN EDUCATION

Turing's ideas shape computer science learning and logic understanding.

AI & MACHINE LEARNING

His legacy drives ethical, explainable artificial intelligence research.



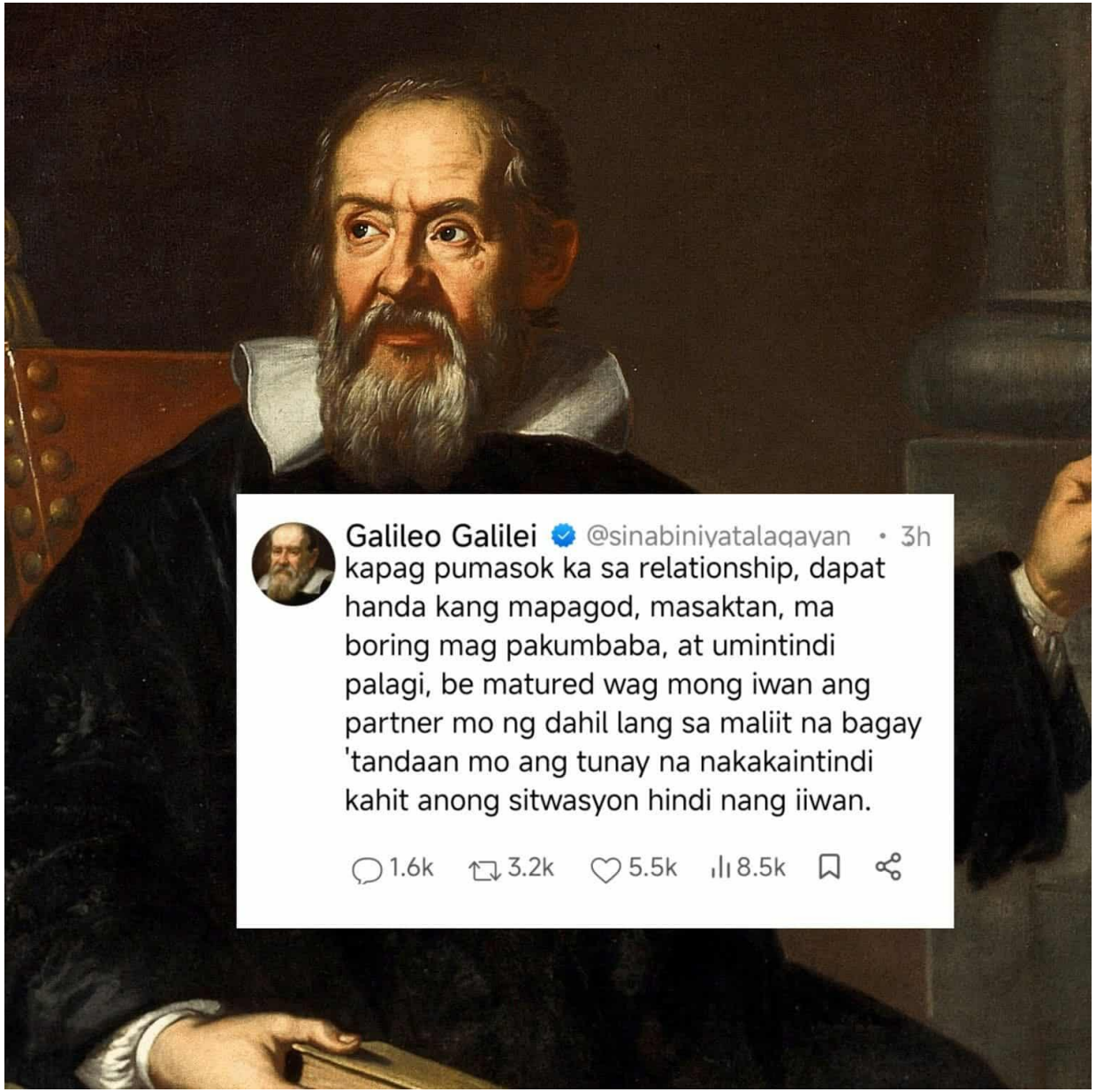
MODERN RELEVANCE OF *Turing Revolution*

QUANTUM COMPUTING

Classical Turing model guides exploration of quantum computational power.

CULTURAL RECOGNITION

Turing honored globally for brilliance, courage, and lasting impact.


Galileo Galilei @sinabiniyatalagayan • 3h
kapag pumasok ka sa relationship, dapat handa kang mapagod, masaktan, ma boring mag pakumbaba, at umintindi palagi, be matured wag mong iwan ang partner mo ng dahil lang sa maliit na bagay 'tandaan mo ang tunay na nakakaintindi kahit anong sitwasyon hindi nang iiwan.
1.6k
3.2k
5.5k
8.5k