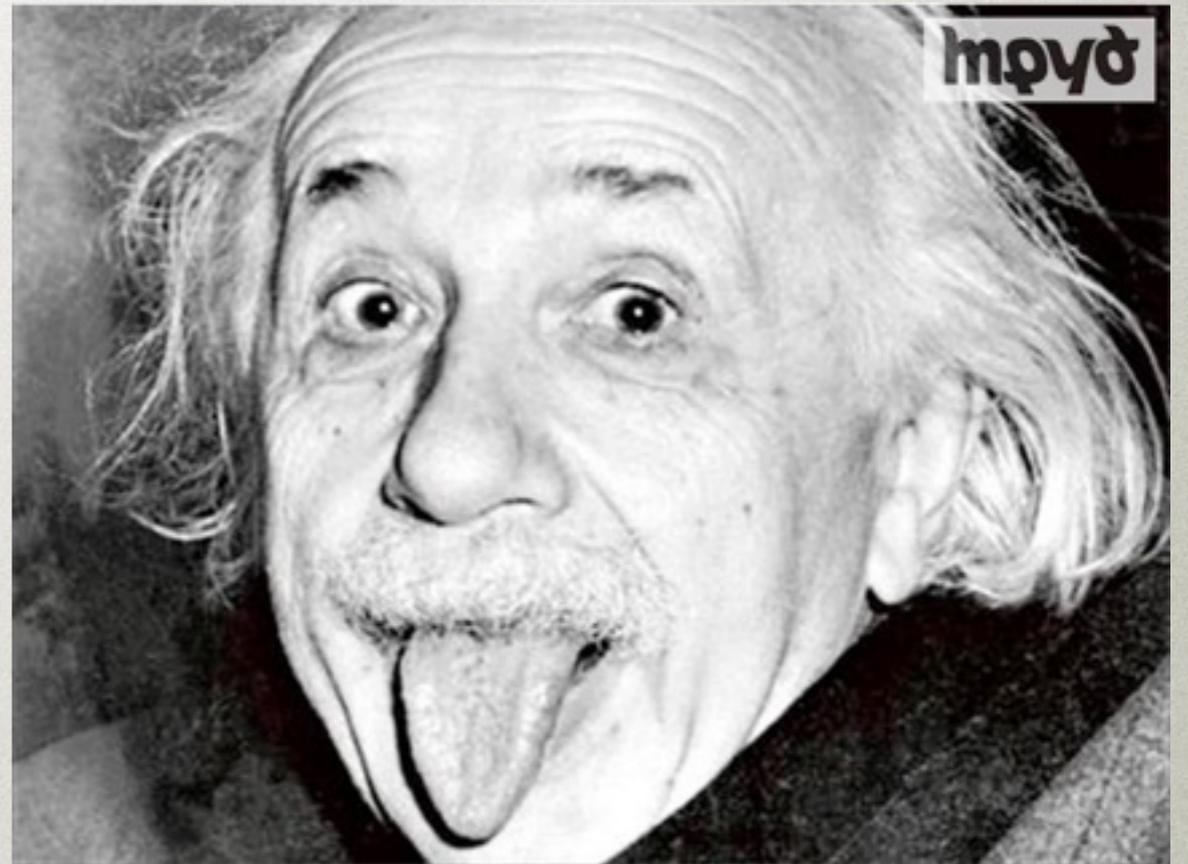
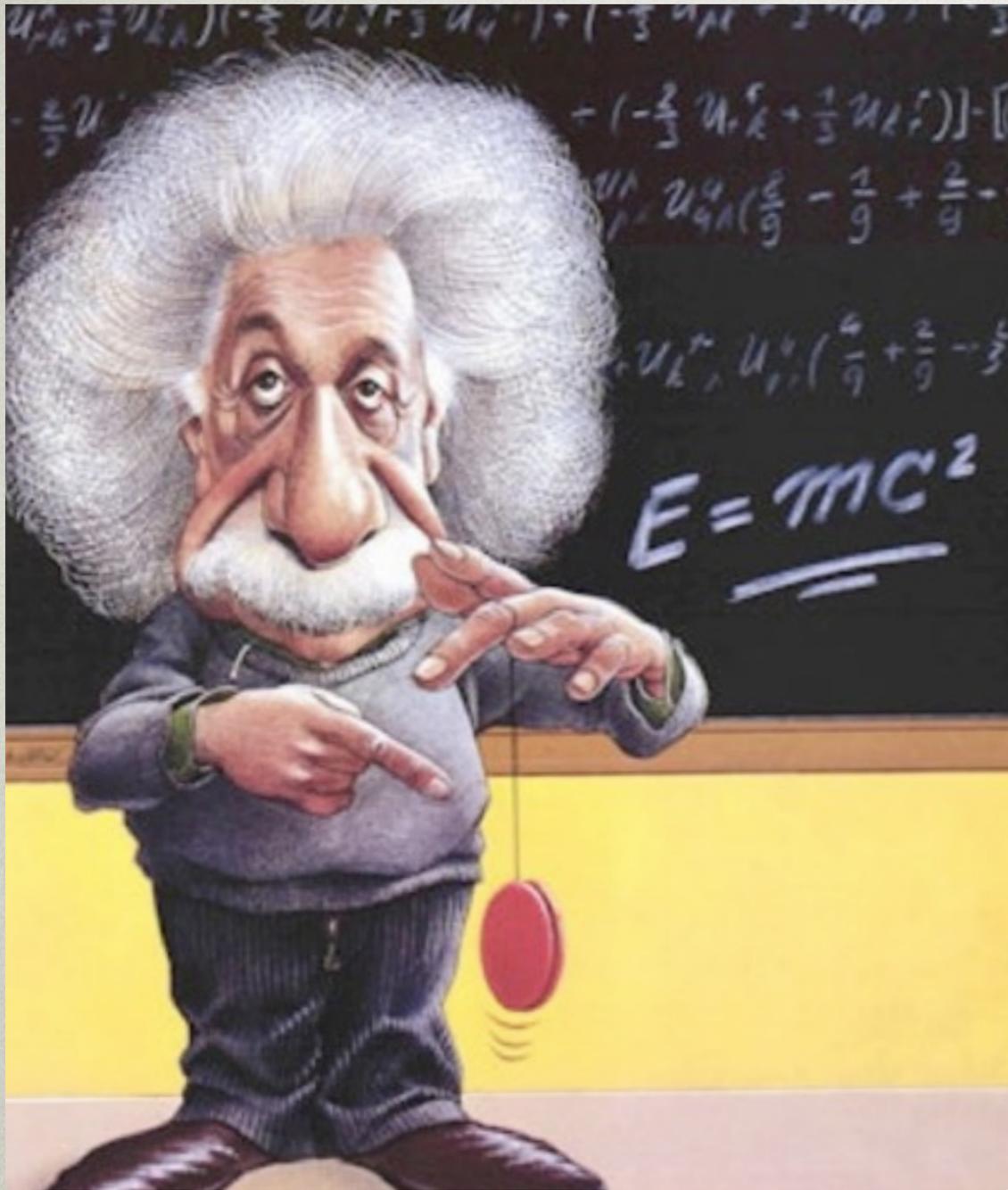


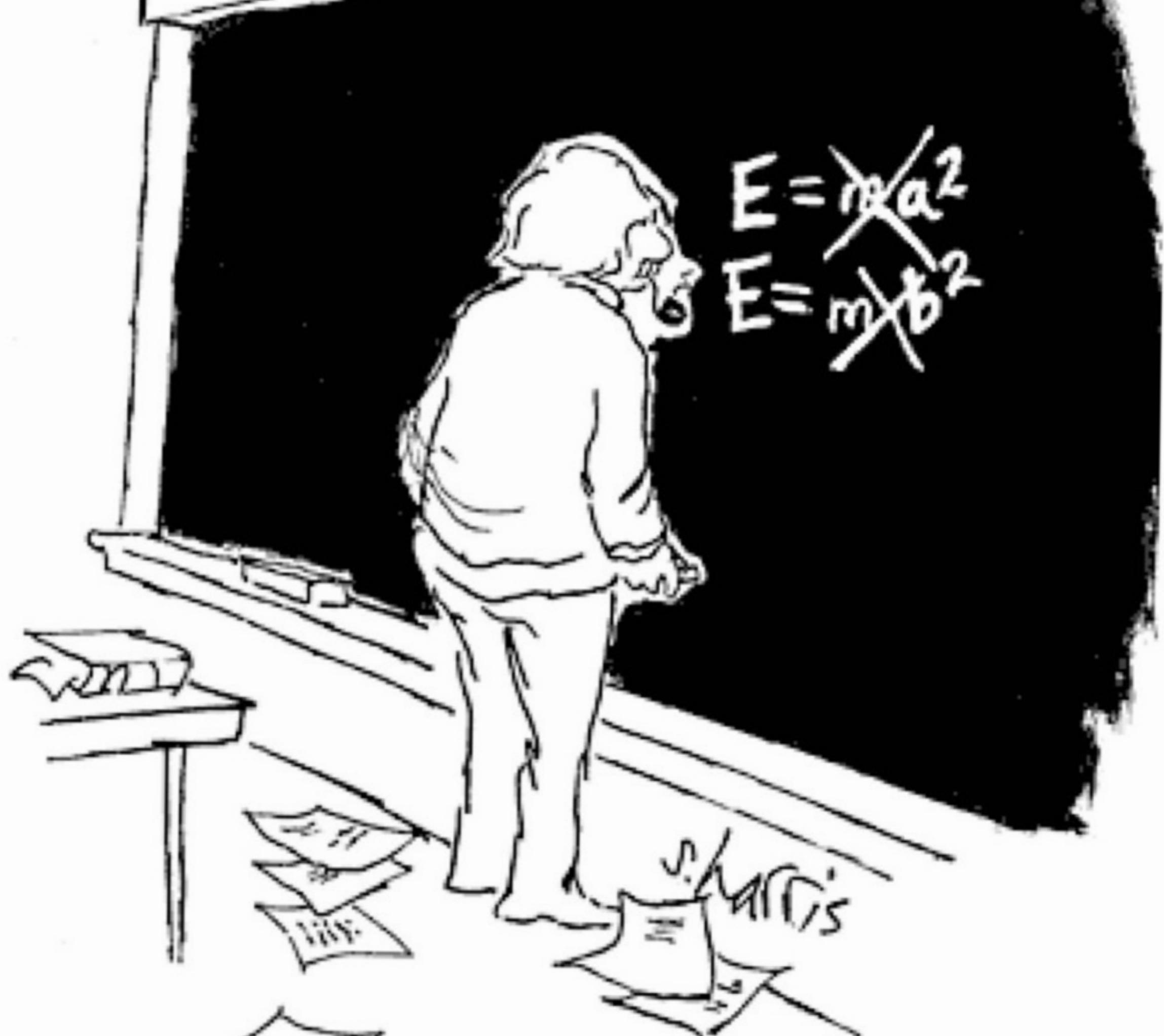
EINSTEIN

PORTRAIT OF THE PHYSICIST AS A YOUNG
SCUFFLER

CERN, 2017



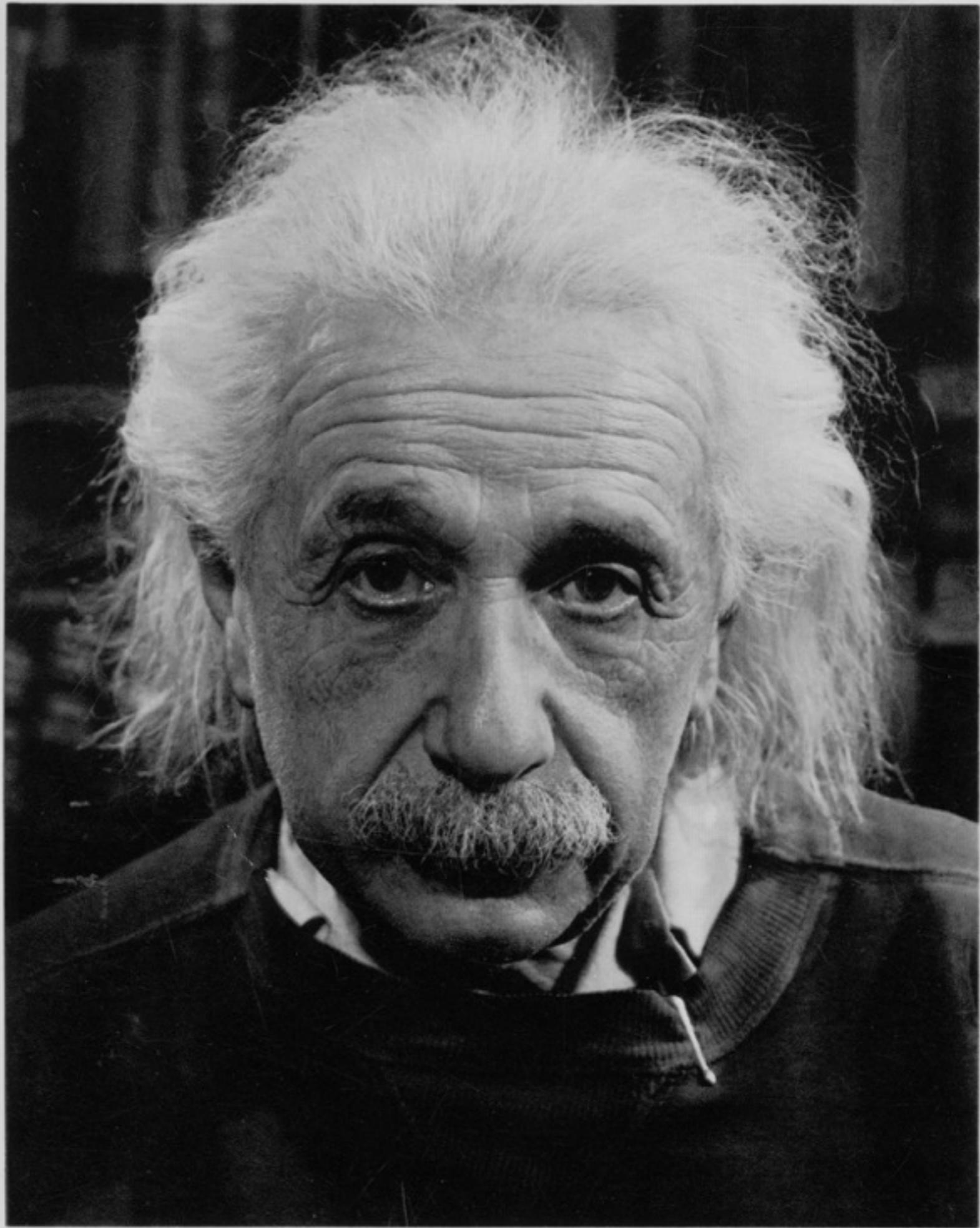




$$E = \cancel{m} \cancel{c^2}$$

$$E = \cancel{m} \cancel{b^2}$$

SMART'S



“The victorious child.”

Thus the cards tell me that Einstein succeeded in saving **the child in himself**, even when, increasingly, he had to accept, with a kind of nonviolent resistance, isolation and even punishment rather than submit to standardized formulations.



Erik Erikson
1902 -- 1994

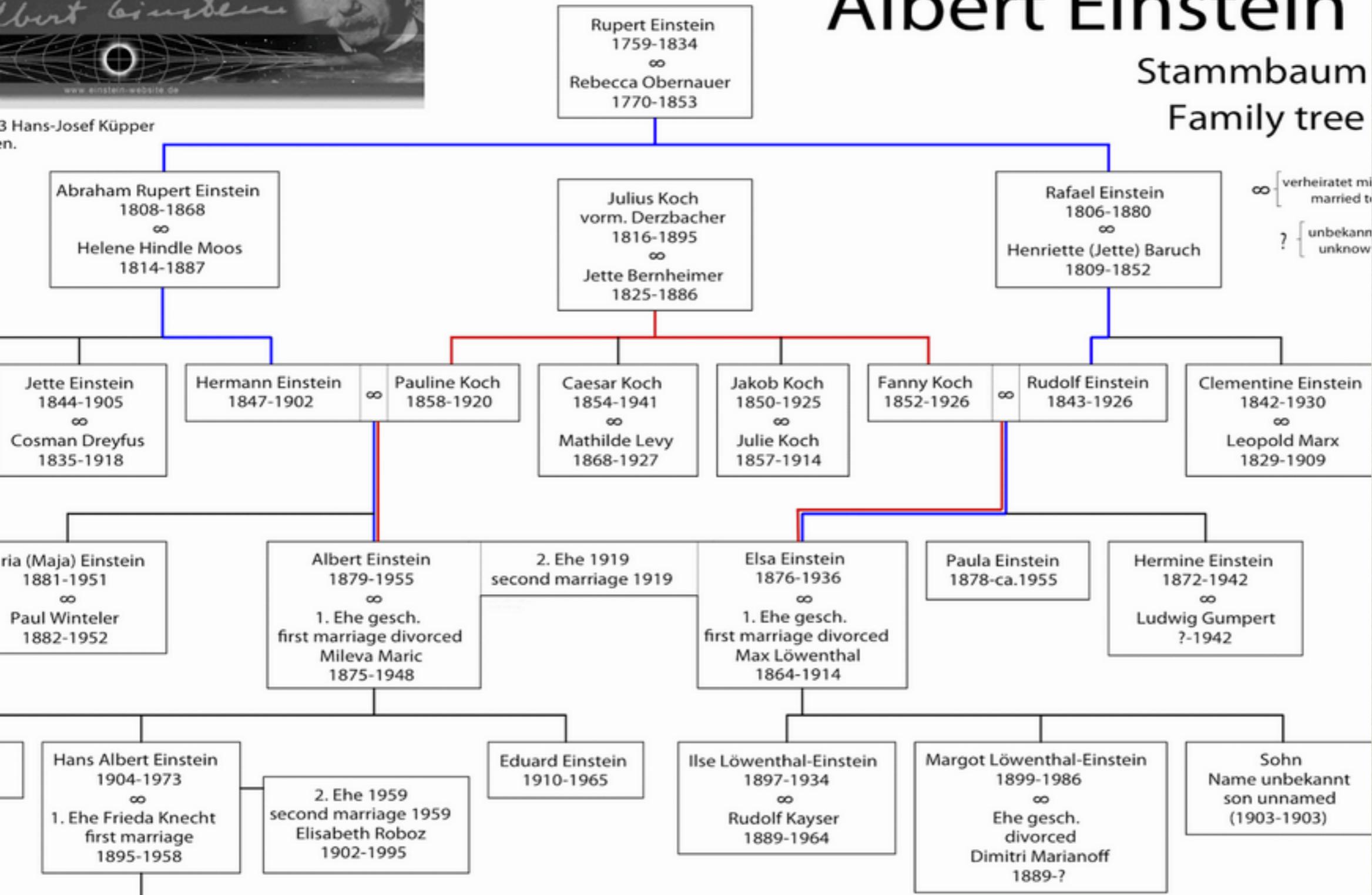




Albert Einstein

Stammbaum Family tree

Hans-Josef Küpper
n.





Ulm
fisherman's
quarter





Pauline Koch Einstein
1858 -- 1920

Hermann Einstein
1847 -- 1902





Maja
Einstein-
Winteler
1881-1951



Yes but where are its small wheels?





Aarau, Argau Canton



The Winteler clan:
Marie, Maja Einstein, Paul, Anna, Jost,
Pauline and Rosa circa 1900



“Now Einstein, how do the strata run here? From below upwards or vice versa?”

“It is pretty much the same to me whichever way they run, Professor.”



The Santis
Almost the End of Einstein
Spring, 1896



Clock Towers of Zurich

My love, I do not quite understand a passage in your letter. You write that you do not want to correspond with me any longer, but why not, sweetheart?

*-- Marie Winteler to Albert Einstein,
November 4, 1896*

Mileva Maric
1875 -- 1948



**Oh my! That Johnnie boy!
So crazy with desire
While thinking of his Dollie
His pillow catches fire**





"I'll be so happy and proud when we are together and can bring our work on relative motion to a successful conclusion."

--Albert to Mileva, 1901

The Times-Picayune

FEBRUARY 19, 1990

M O N D A Y

154TH YEAR NO. 26 25 CENTS

Einstein papers fuel controversy over wife's role

By MARK SCHLEIFSTEIN
Staff writer

► Albert Einstein's first wife, Mileva Maric-Einstein, was a brilliant physicist in her own right who never got the credit she deserved for co-authoring Einstein's most important theories.
► Maric-Einstein was, at best, a bright mathematician who fitted in some computing for her husband between her other duties as

housewife and mother.
Science historians squared off over those vastly different views of Maric-Einstein Sunday during a vocal session at the annual meeting of the American Association for the Advancement of Science.
The debate surrounds several papers Einstein wrote while he was an examiner at the Swiss Patent Office in Bern in 1905. The key papers each led to new branches of physics.

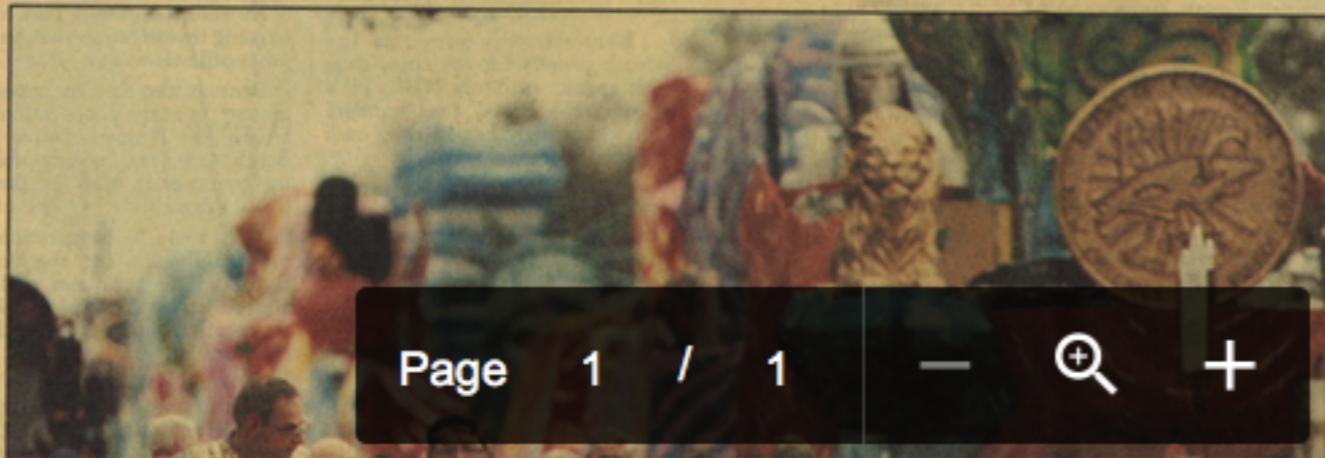
One theory described in the papers holds that light actually is a stream of particles called "quanta" — known today as photons — and explains why a beam of light trained on metals causes electrons to be released, and thus produces electricity.
A second — the special theory of relativity — explains matter and energy as being exchangeable, and time as being relative — that different positions in space experience different time.

The explanation of the relationship between matter and energy led to the development of nuclear energy and the atomic bomb.
The third theory concerned "Brownian motion," the then-unexplained erratic movement of small particles in liquids. Einstein theorized that heat-caused motion in the molecules of liquid caused them to bump against the particles suspended in the liquid. The theory led to

proof that matter was made up of molecules.
Much of Einstein's early papers were unavailable until the first of several volumes of his life work and letters were published in 1987. A second volume was published this year.
Historians and scientist commentators, using those works to review how Einstein formed his conclusions, are coming up with controversial results.
Evan Harris Walker, a physicist and cancer researcher, believes excerpts from several letters between Einstein and his wife show that she collaborated with him on several papers.
"How happy and proud I will be when the two of us together will have brought our work on the relative motion (the theory of relativity) to a victorious conclusion," Einstein wrote to his wife in 1900, in one letter used by

See EINSTEIN, A-6

Rain reigns supreme



Page 1 / 1 — 🔍 +

Government hangs on in Japan voting

By The Associated Press

TOKYO — Japan's conservative governing party fought off criticism about scandals and an unpopular tax and held onto its majority in parliament's powerful lower house, official returns

However, the party's seats declined from 295, and the largest opposition group, the Japan Socialist Party, made dramatic gains, rising from 83 seats to at least 135.
When the 271st seat was captured, Prime Minister Toshiki

American Association for the Advancement of Science, New Orleans, 1990





**“You girl small and fine
What should I inscribe for you
here?”**

**I could think of many a thing
Including also a kiss
On the tiny little mouth.”**



Heinrich
Friedrich Weber
1843 -- 1912

“I will soon have graced all the
physicists from the North Sea to the
southern tip of Italy with my offer.”

-- Albert to Mileva, April 4, 1901



Lake Como in the Spring







“We were driving now through long galleries, now on the open road where there was nothing but snow and more snow as far as the eye could see, so that this cold white infinity gave me the shivers and I held my sweetheart firmly in my arms under the coats and shawls with which we were covered.”

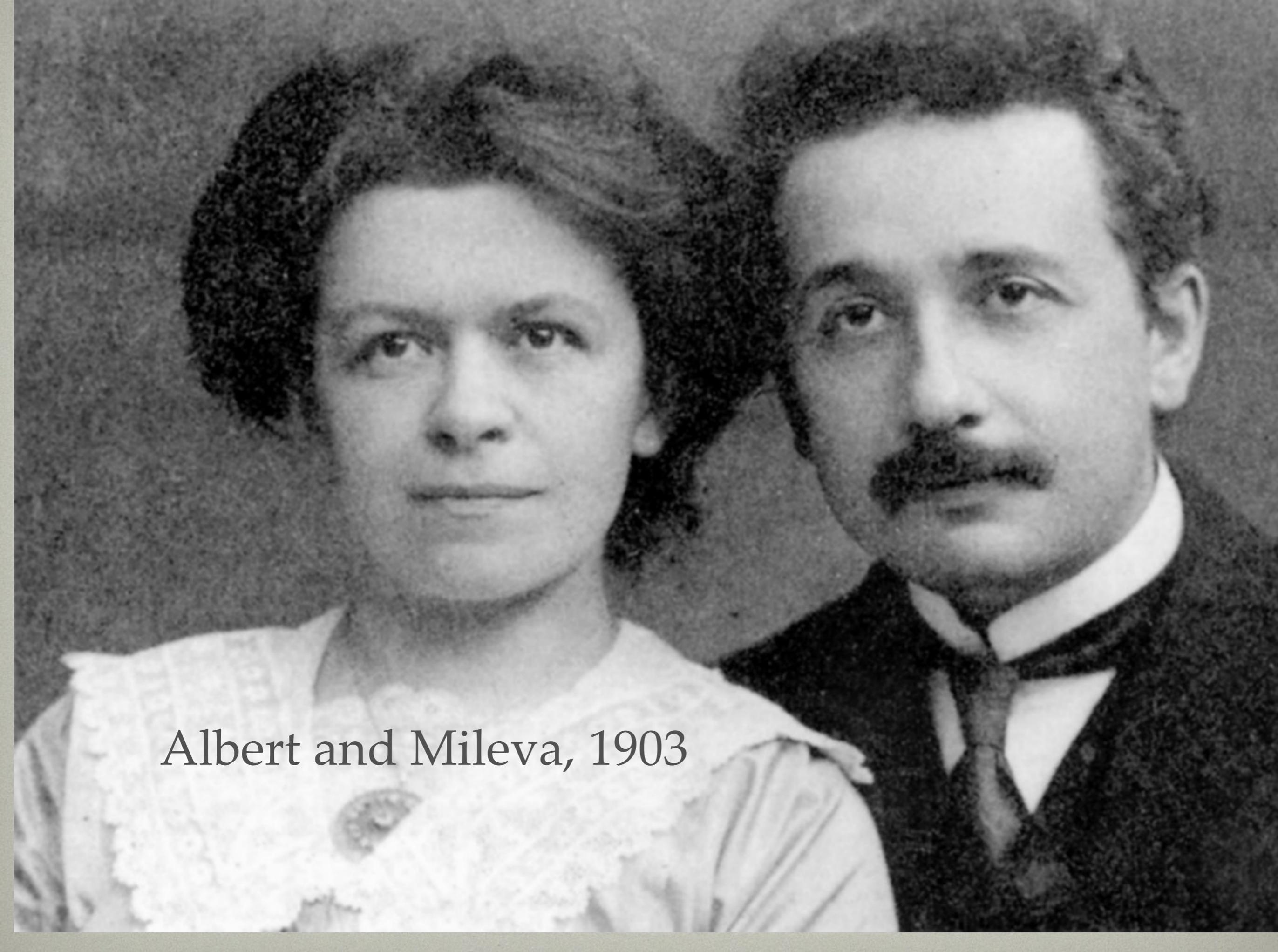
“Be cheerful, dear Doxerl, and don’t worry – you are my dear good sweetheart, whatever may happen. I am not very satisfied by my theory of thermoelectricity.”

“This Miss Maric is causing me the bitterest hours of my life,”

“I love her so much and I don’t even know her yet...I would like to produce a Lieserl myself, it must be so interesting.”

SHERLOCK HOLMES
AND THE MYSTERY OF
EINSTEIN'S
DAUGHTER





Albert and Mileva, 1903

Kramgasse
Bern





Time was of the essence
in turn of the century Bern



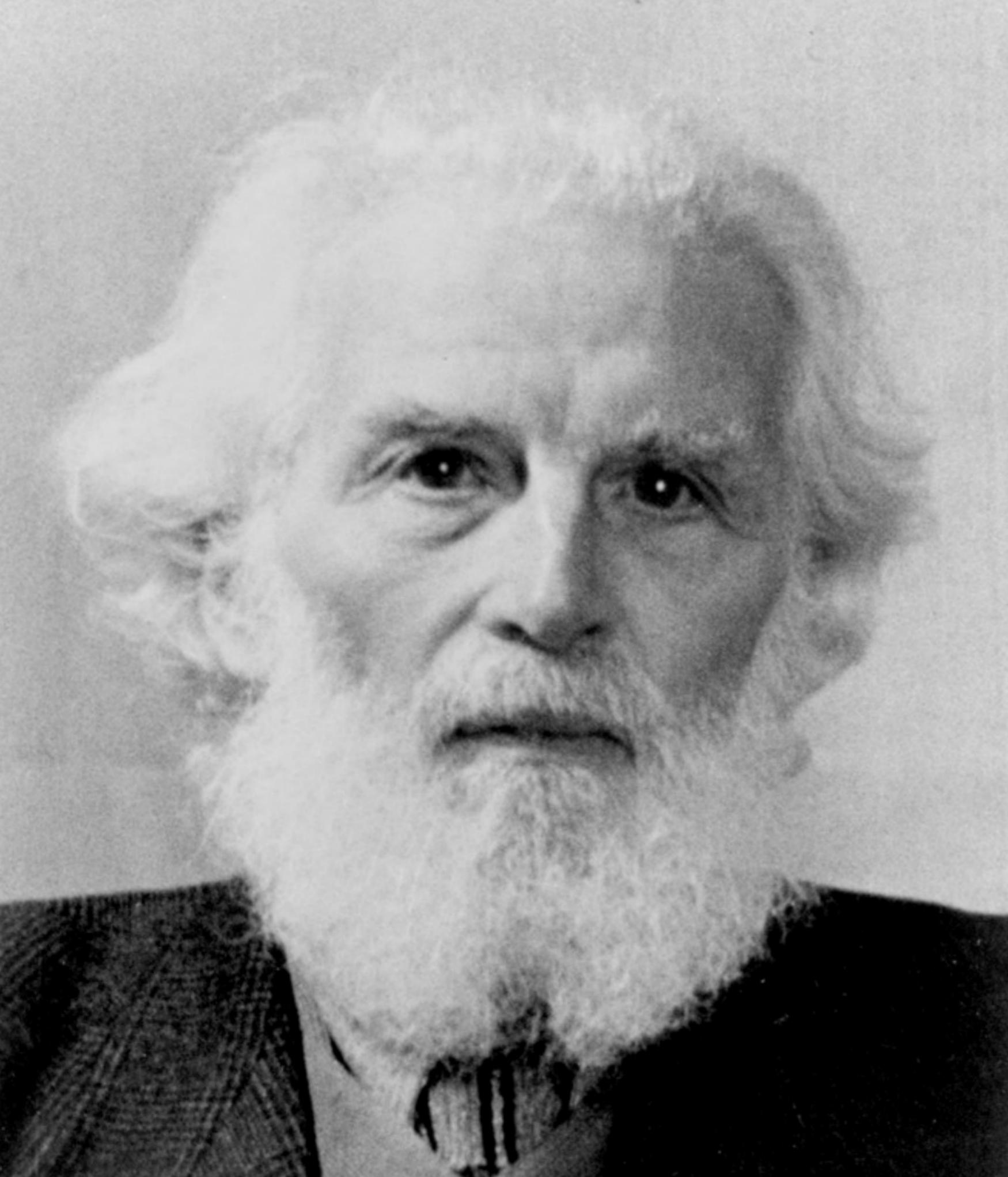
The Olympia Academy



Conrad Habicht

Maurice Solovine

Albert Einstein

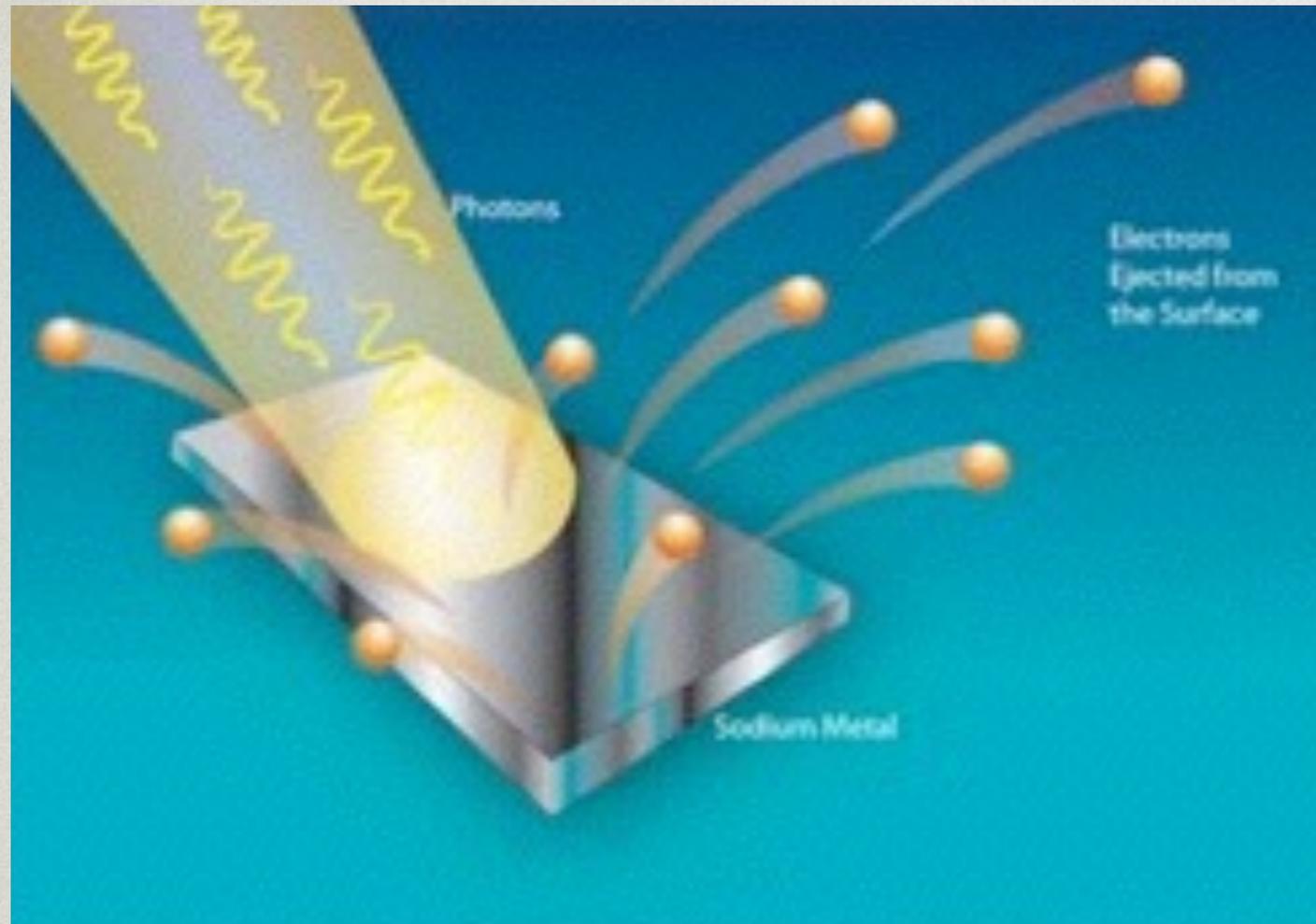


Michelangelo Besso
1873 -- 1955





Hans Albert, "Albertli," and Mileva



waves or particles or both?



HERE KITTY, KITTY

If quantum uncertainty applies to microscopic elementary particles, shouldn't it also apply to cats made from those particles? To illustrate what he thought was the absurdity of quantum mechanics, Erwin Schrödinger imagined a cat imprisoned in a box with a radioactive atom. If the atom decays it causes the release of poison that will kill the cat. According to quantum mechanics until the box is opened the atom has both decayed and not decayed and thus the cat is both alive and dead. Nice Kitty.

alive or dead or both?



Imagine

“From now on, space by itself and time by itself are doomed to fade away into mere shadows, and only a kind of union of the two will preserve an independent reality.”

Hermann Minkowski, 1908



“Newton, forgive me.”



"I'll be so happy and proud when we are together and can bring our work on relative motion to a successful conclusion."

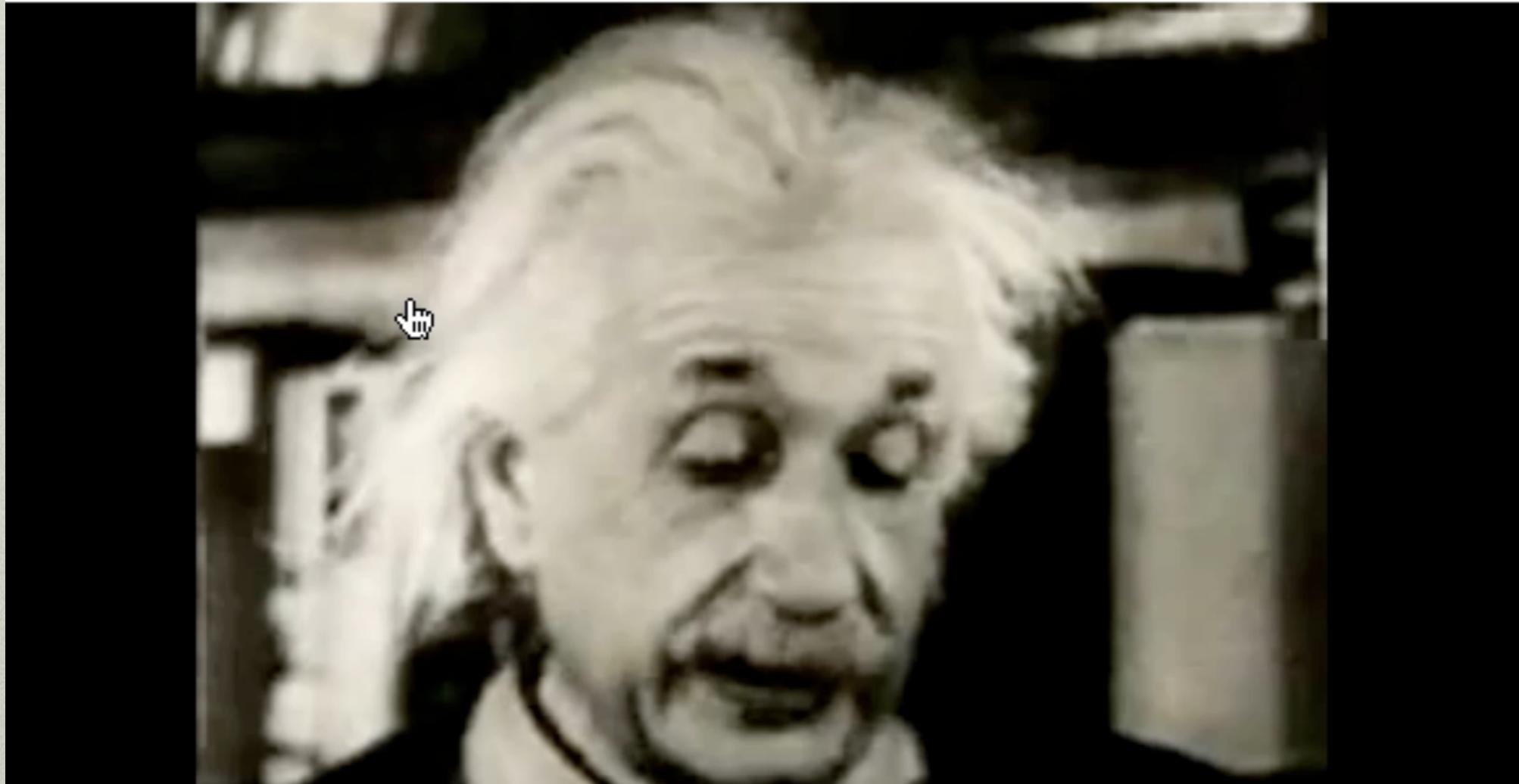
--Albert to Mileva, 1901

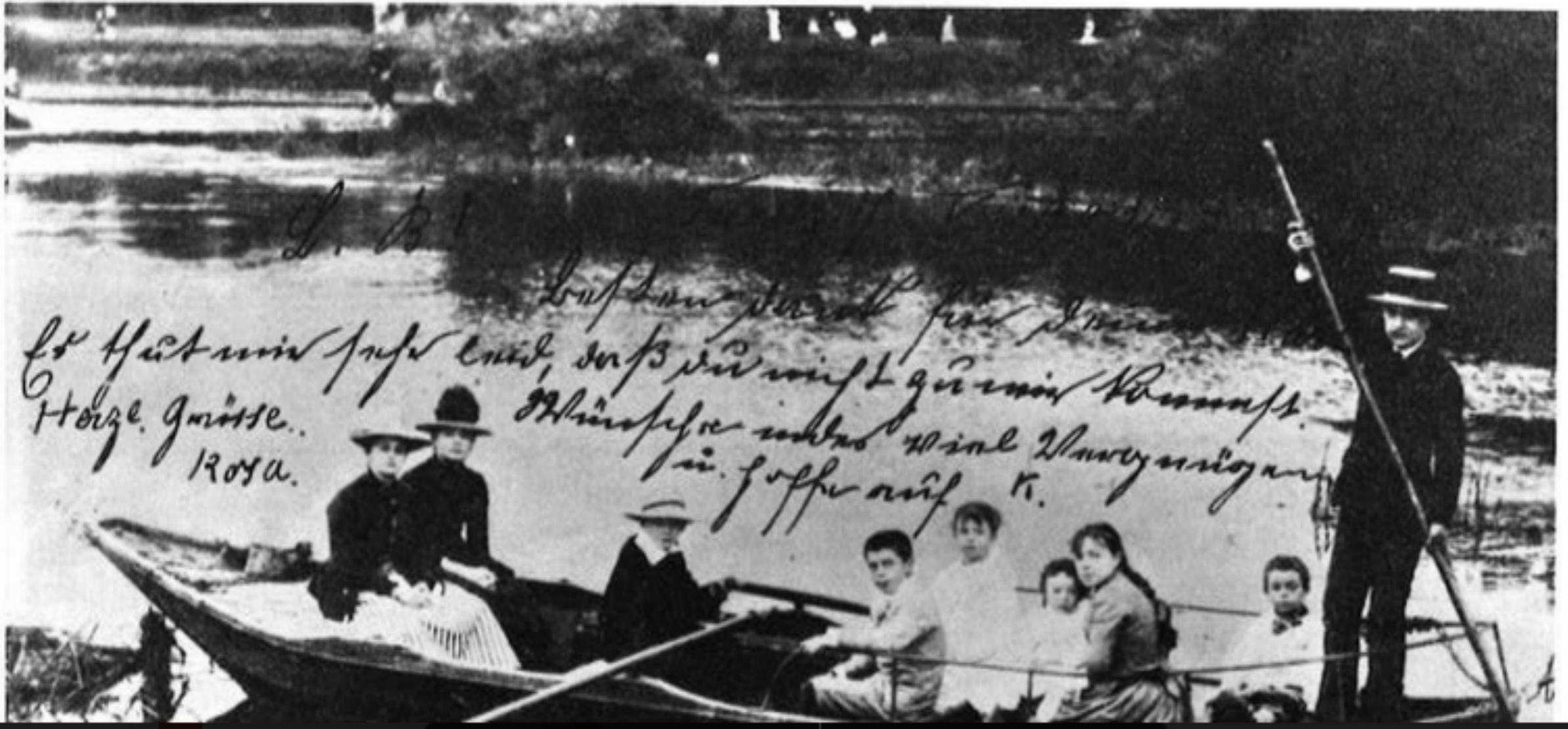
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7 videos



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L. B. ...

Luft zum ... für ...

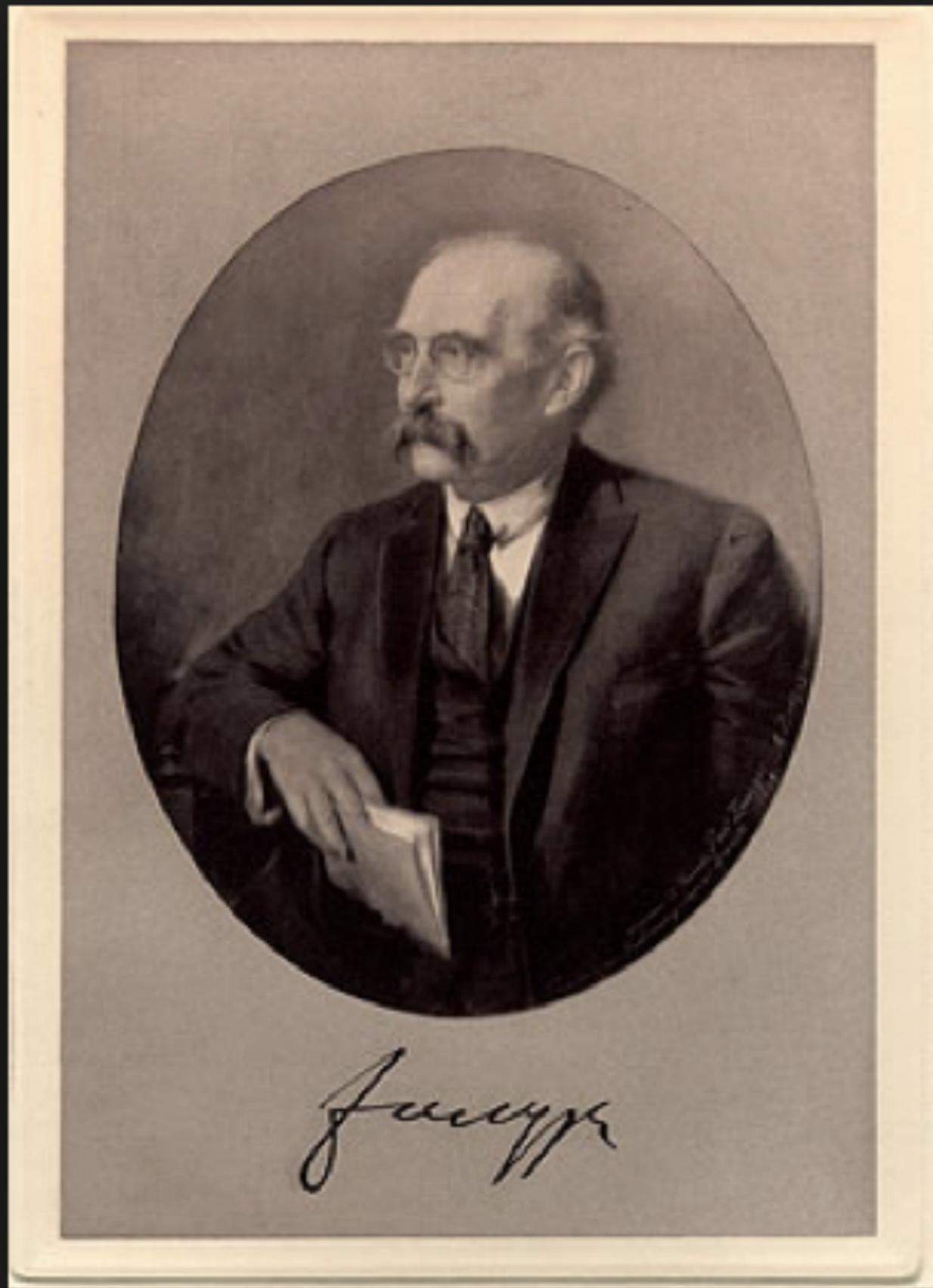
Es hat mir sehr ...
Hörze. Grisse.
Rosa.

Wieder ...
in ...



ancestry.com/~prohel/names/misc/fischl.html

Fritz Adler, Assassin of
Relativity, 1879 -- 1960



Heinrich Zangger
1874 -- 1957





Erika Schmid-Maeyer 1910-1985



Charles Maeyer,
1994



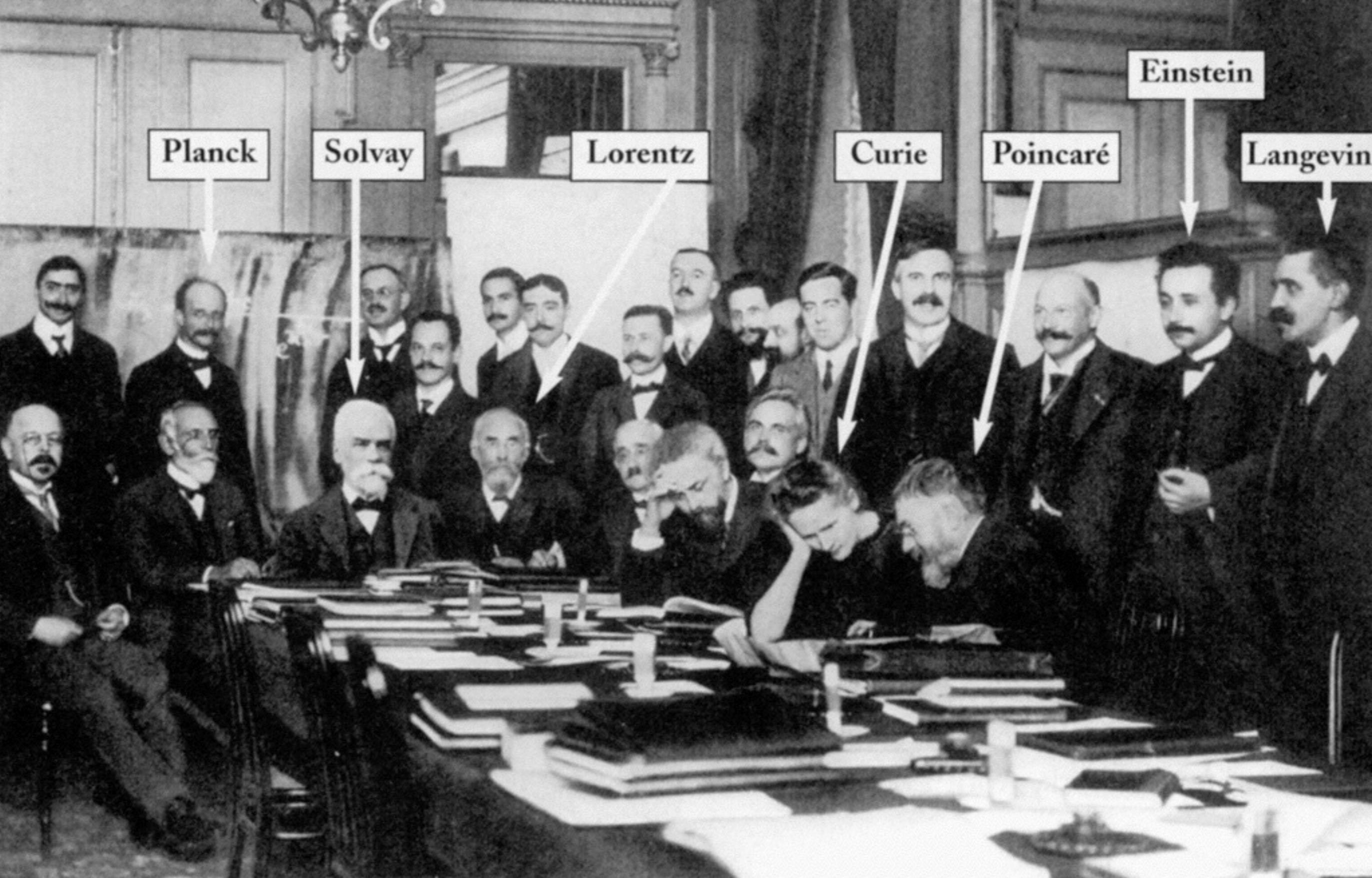
Eduard "Tete"

Mileva

Hans Albert



Prague
anytime



Planck

Solvay

Lorentz

Curie

Poincaré

Einstein

Langevin

First Solvay Congress
Brussels, October 29, 1911



Marie Curie
1867 -- 1934

"You see, I am very **starved for love** and would be so **overjoyed** to hear **yes**, that I almost believe wicked science is guilty and I **gladly** accept the laughter over it."



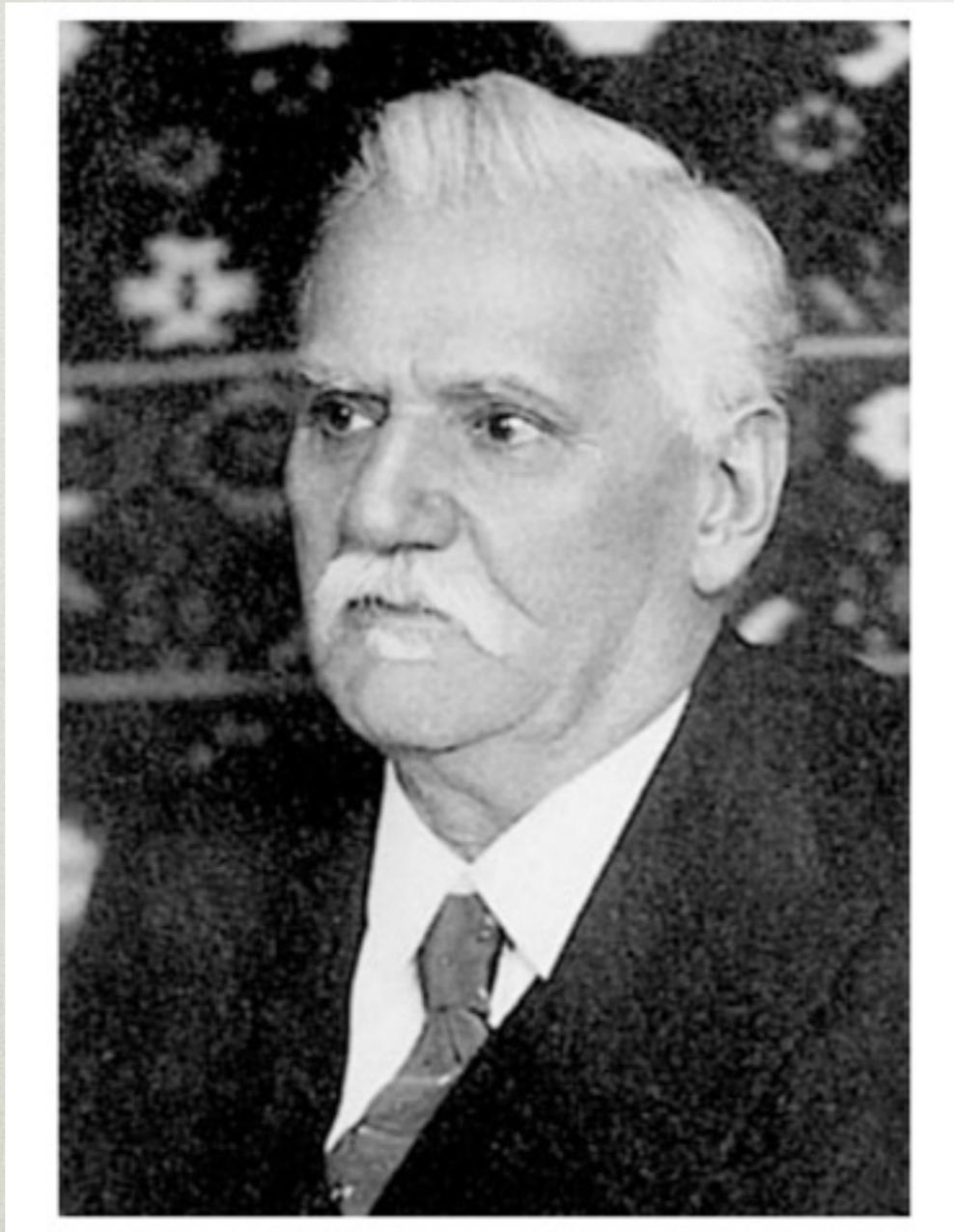


Elsa Lowenthal
the other woman

“How beautiful it could be if we could sometime run a little Gypsy household together.”



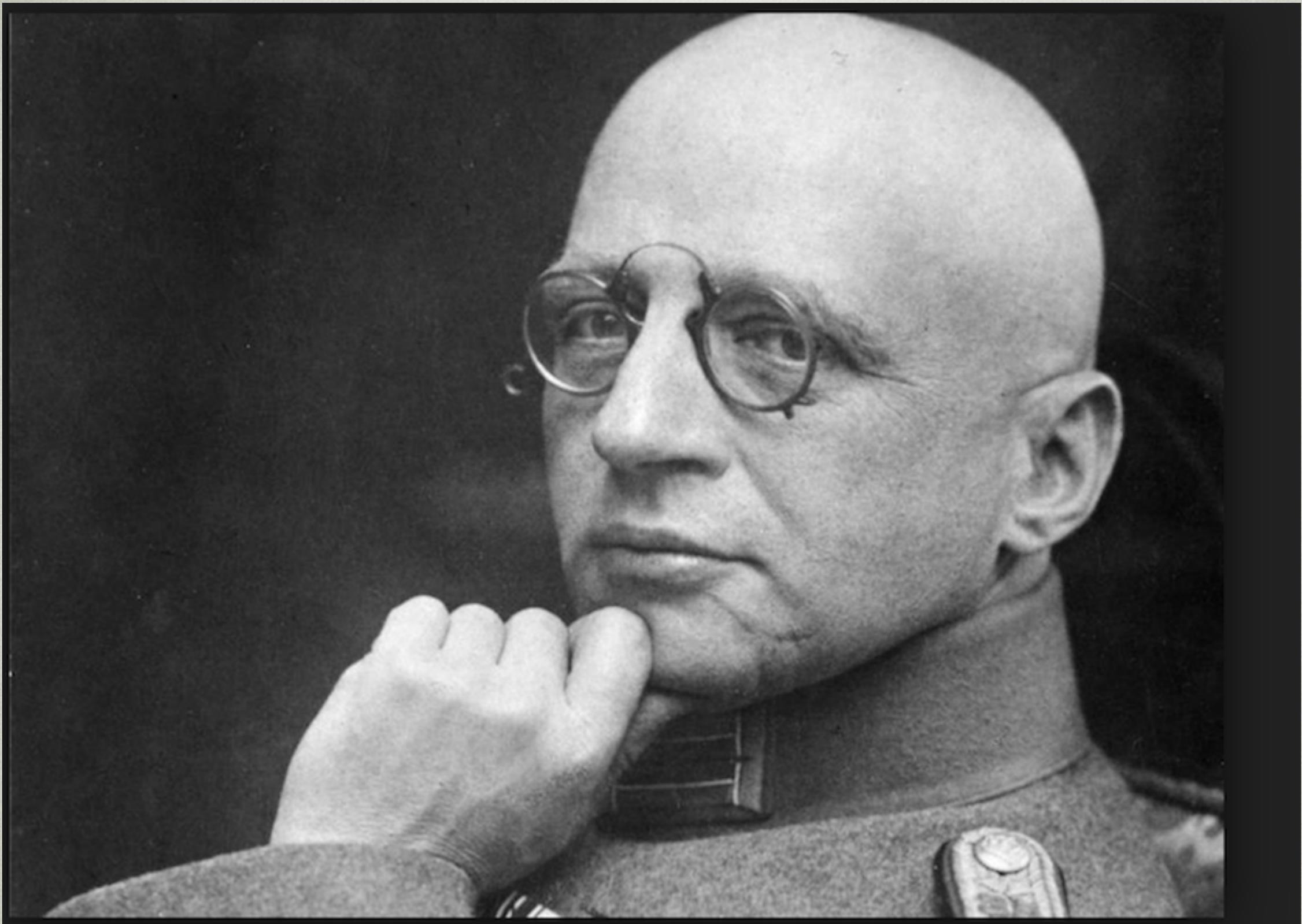
“She is an unfriendly humorless creature who has nothing from life herself and smother the joy in life of others through her mere presence (malocchio!) [evil eye]”



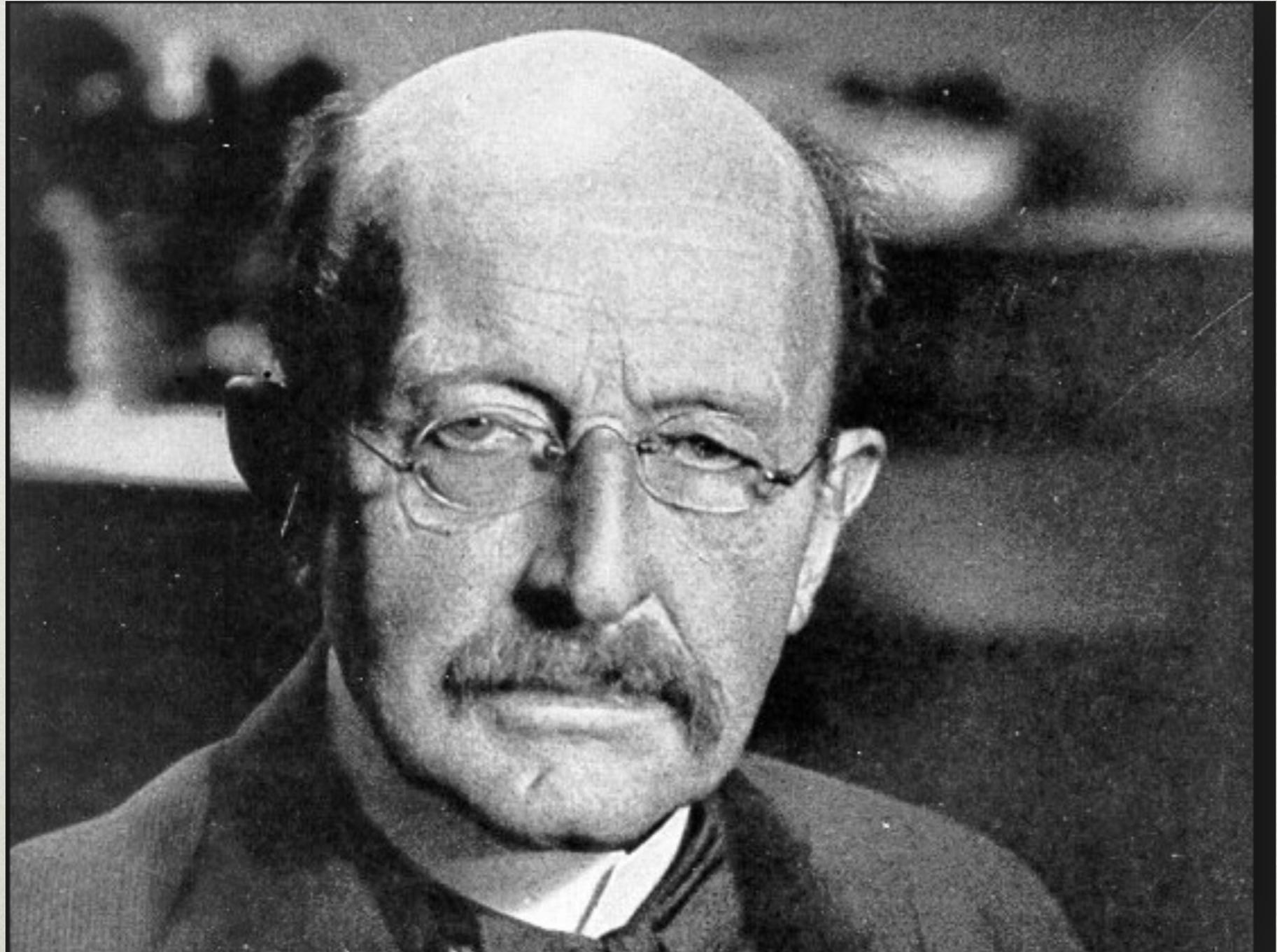
Vladimir Varicak
1865--1942



Last stand in
Zurich, 1913
116 Hofstrasse



Fritz Haber
1868 -- 1934



Max Planck
1858 -- 1947

WHEN DID GERMANY ALMOST WIN WWI?

ON MARCH 1918, THE GERMAN ARMY TRIES A BIG ATTACK TO WIN THE WAR BEFORE AMERICAN TROOPS SHOW UP.

WITH RUSSIA OUT OF THE WAR, WE CAN FINALLY PUT ALL OUR TROOPS IN FRANCE!

INSTEAD OF ONE BIG WAVE OF SOLDIERS RUNNING ACROSS "NO MAN'S LAND," SMALL SQUADS OF GERMAN STORMTROOPERS SHOCK WEAK SPOTS AND GO AROUND BIG DEFENSES.

SEE YOU IN PARIS!

THE GERMANS GET WITHIN 75 MILES OF PARIS!! HEAVY KRUPP RAILWAY GUNS FIRE SHELLS INTO PARIS!

YAW!

BUT MOST GERMAN ARTILLERY IS NOT MOTORIZED, AND GERMANS HAVE FEW TANKS. NEW AMERICAN SOLDIERS JUMP INTO WEAKENED FRENCH AND BRITISH UNITS TO STOP THE ADVANCE.

VIVE LE HARLEM HELLFIGHTERZ!

MEANWHILE... RICKENBACKER BLAZES THROUGH THE SKIES!

THE AMERICAN SHOTS DOWN 26 ENEMY AIRCRAFT DURING HIS 300 COMBAT HOURS — THE MOST OF ANY U.S. PILOT IN THE WAR.

Text: THE WOOD





Hans-Albert Einstein
1904 -- 1973



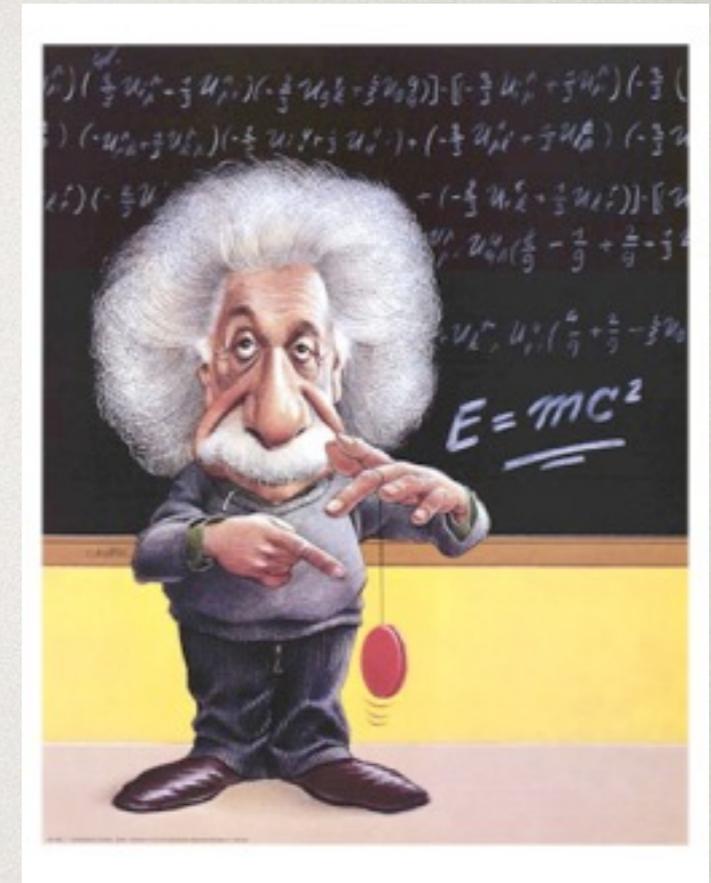
Eduard "Tete" Einstein

1910 -- 1965

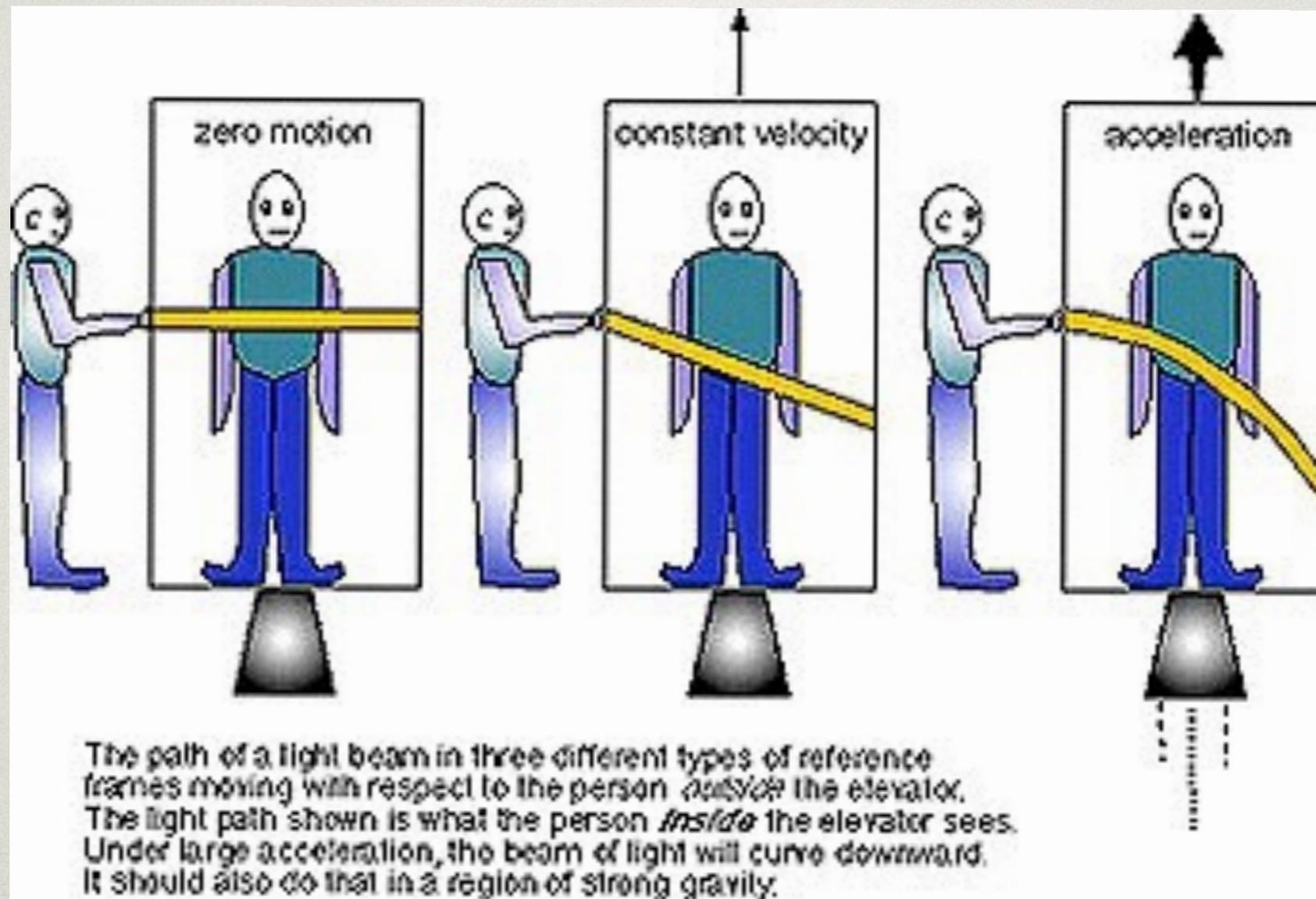


*“The worst destiny is to have no destiny,
and also to be the destiny of no one else.”*

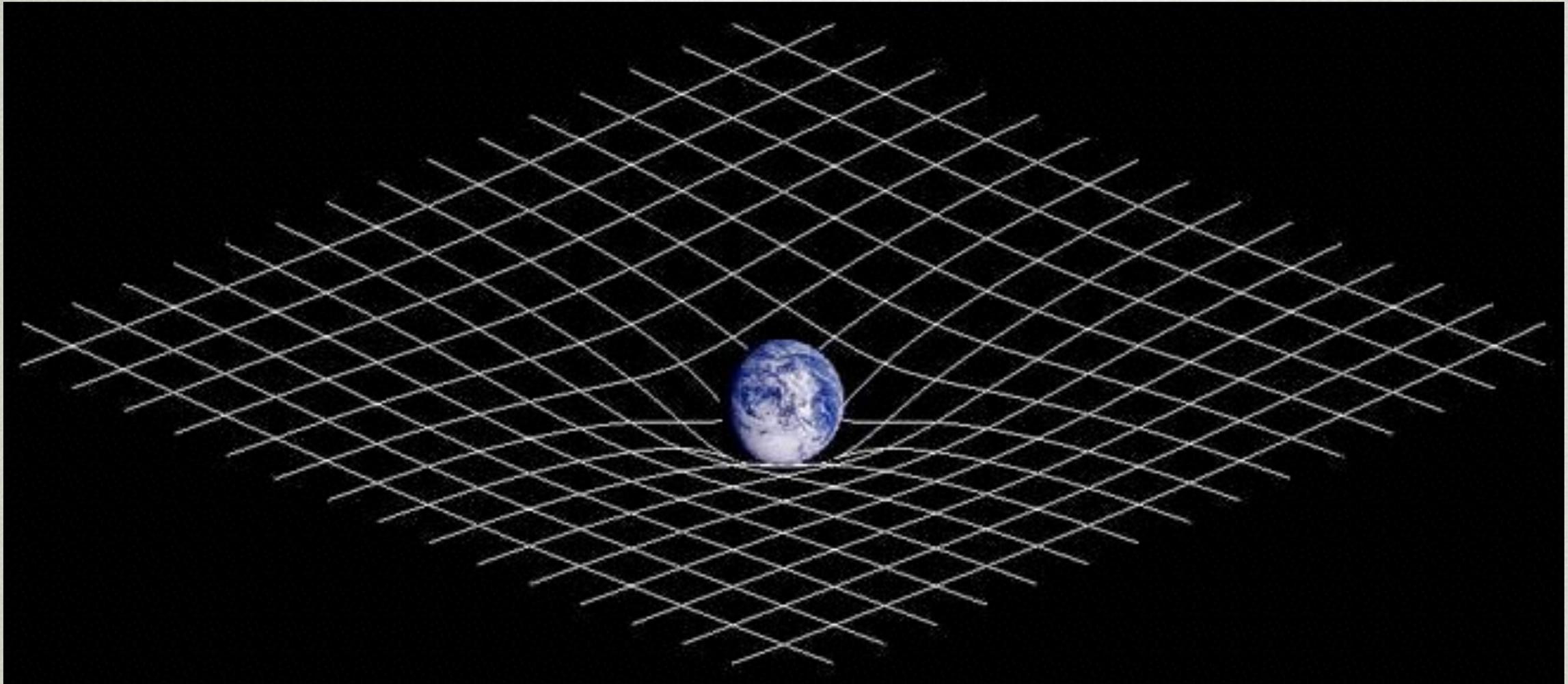
“I always fare the best with my innocuousness, which is up to 20 percent conscious. This is easily attained when you’re indifferent to the feelings of your fellow humans – but you are never as indifferent to them as they deserve.”





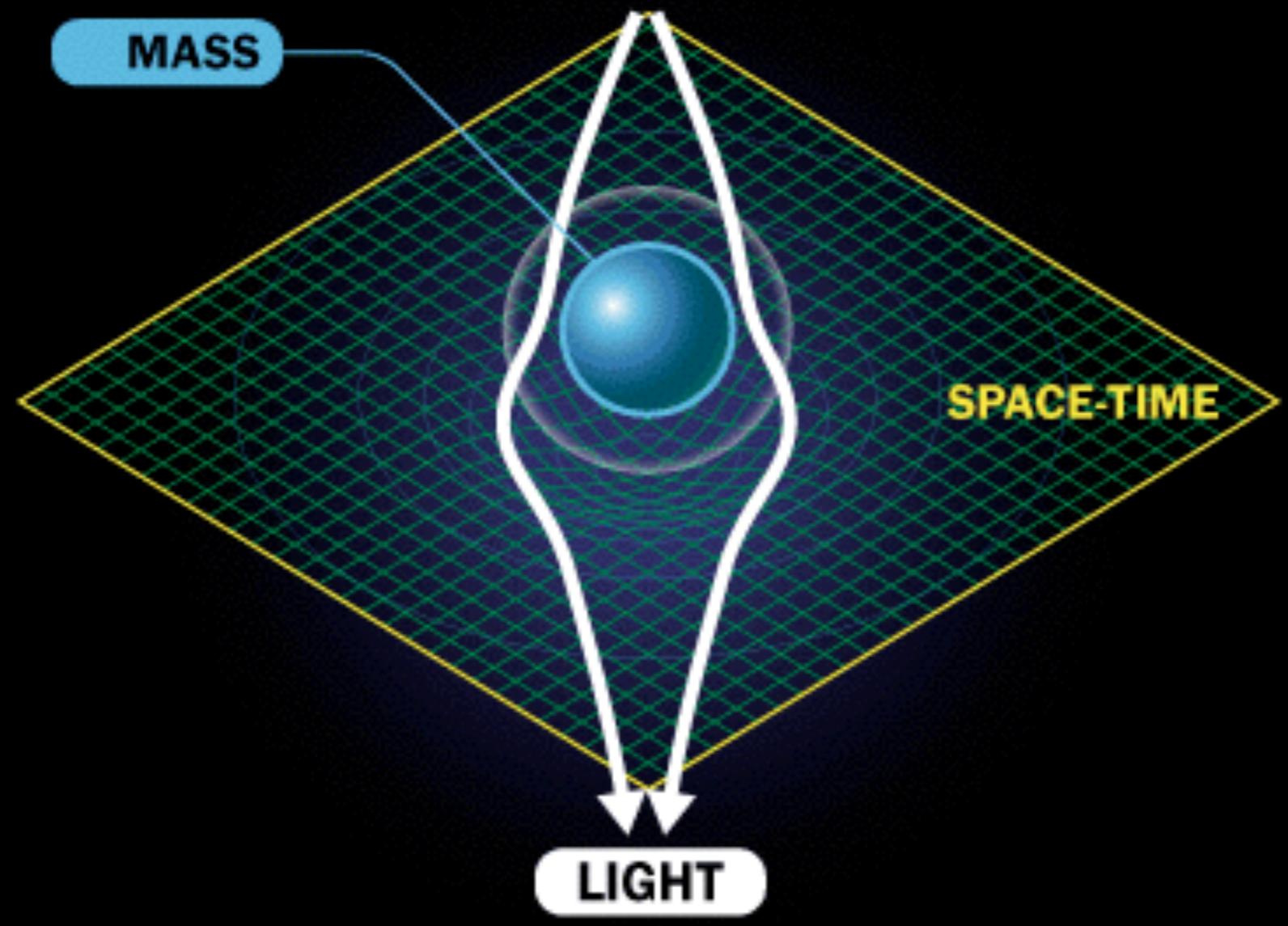


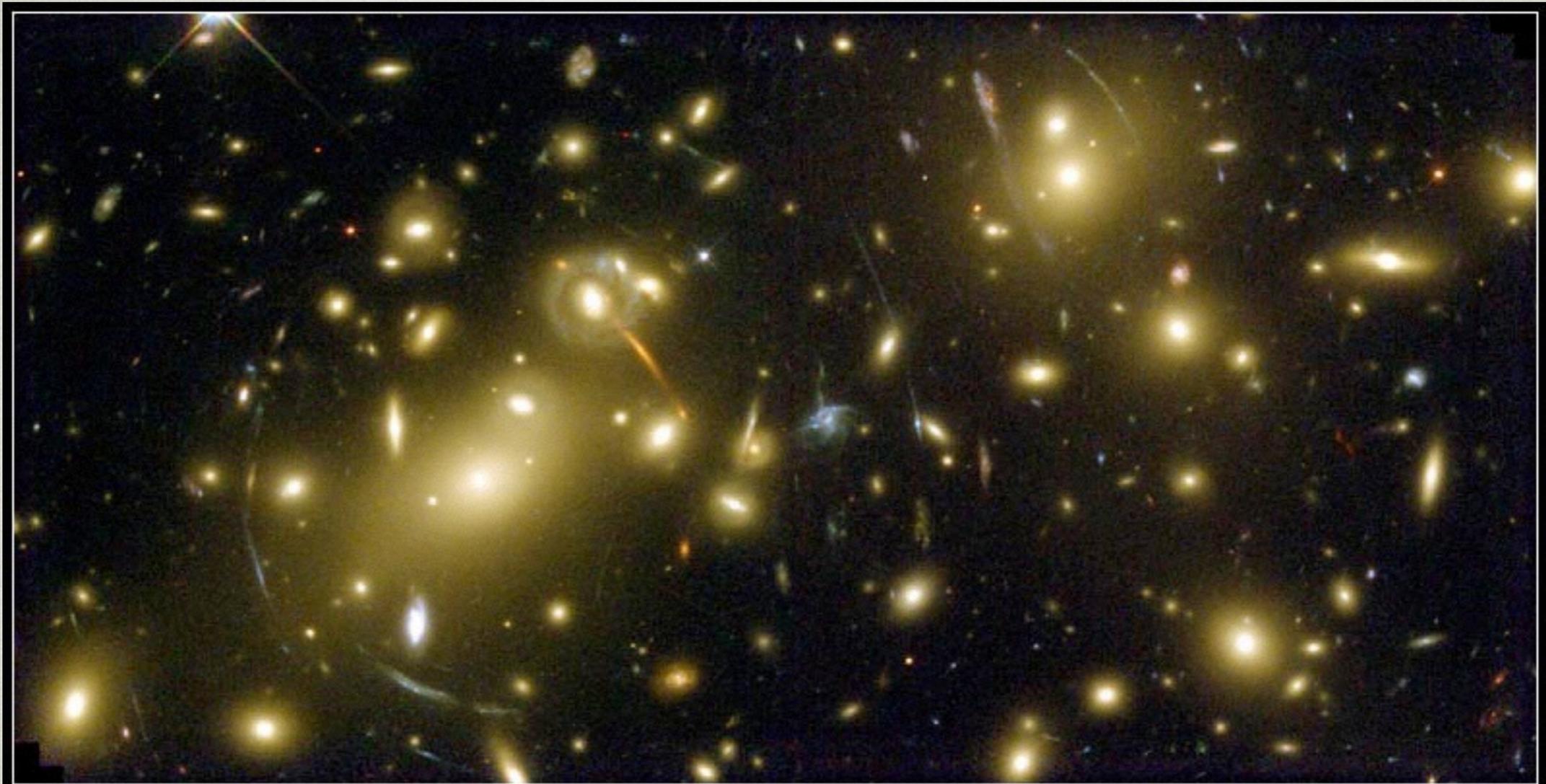
The principle of equivalence says you can't tell gravity from being accelerated. Einstein realized this meant that light would appear to be bent downwards.



1916, the sagging mattress theory of gravity

How Warp Speed Works Gravitational Lens Effect





Galaxy Cluster Abell 2218

HST • WFPC2

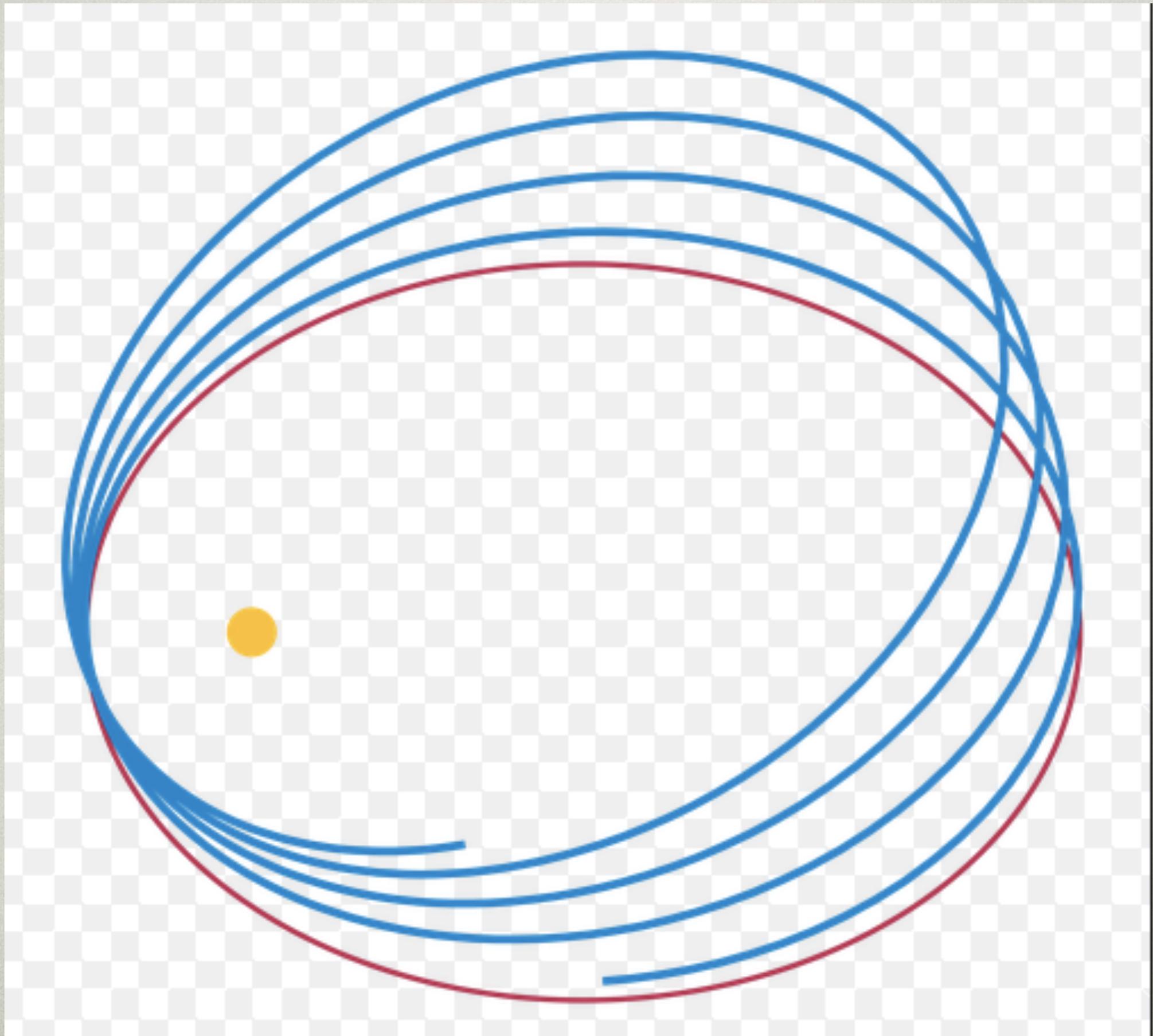
NASA, A. Fruchter and the ERO Team (STScI) • STScI-PRC00-08

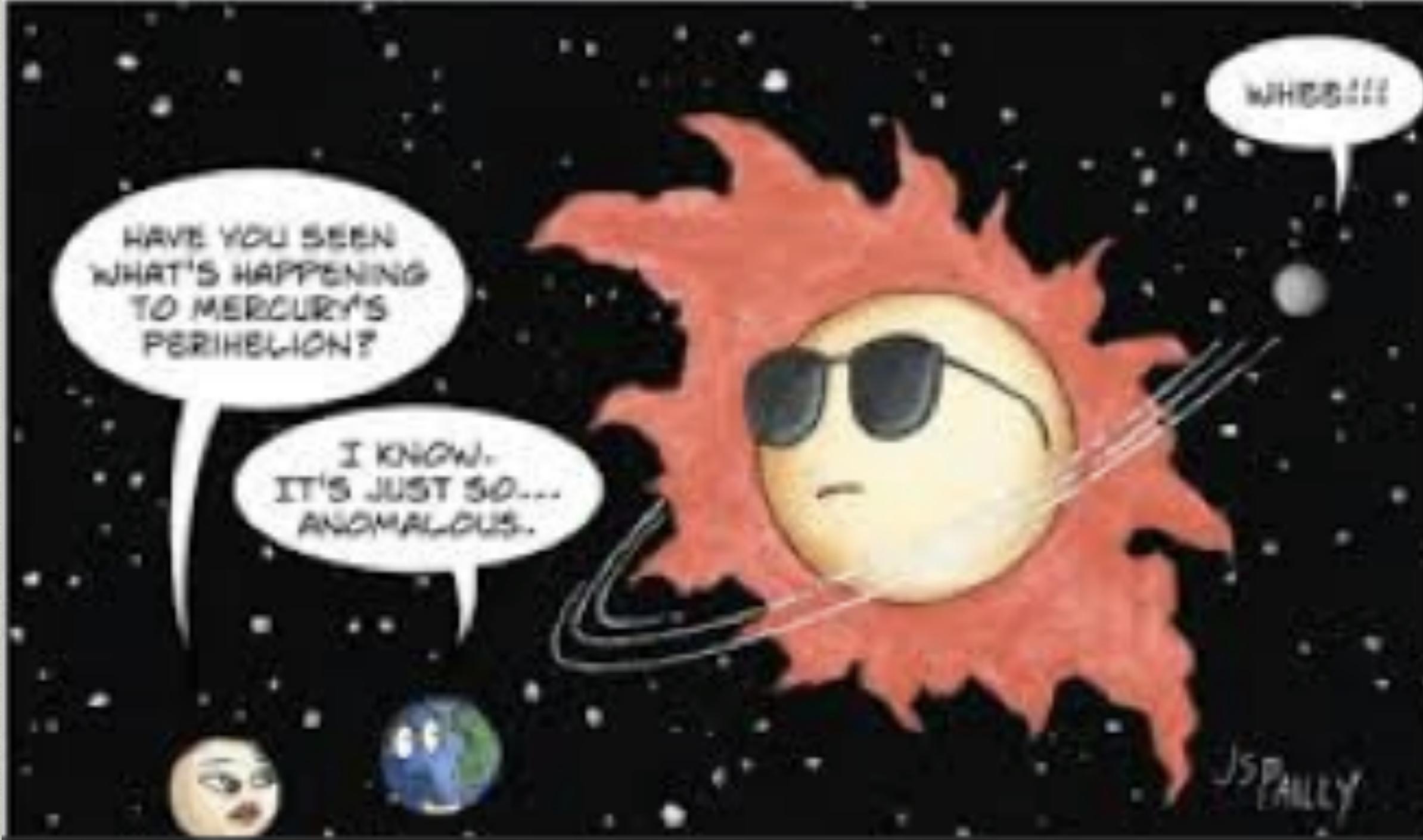
Einstein's telescope

$$[{}^{\mu\nu}{}_{\rho}] = \frac{1}{2} \left(\frac{\partial g_{\mu\rho}}{\partial x_{\nu}} + \frac{\partial g_{\nu\rho}}{\partial x_{\mu}} - \frac{\partial g_{\mu\nu}}{\partial x_{\rho}} \right) \quad \frac{\partial [i\sigma]}{\partial x_{\rho}} \quad - \frac{\partial [k\sigma]}{\partial x_i}$$

$$({}^{ik}{}_{lm}) = \frac{1}{2} \left(\frac{\partial^2 g_{im}}{\partial x_i \partial x_k} + \frac{\partial^2 g_{kl}}{\partial x_i \partial x_m} - \frac{\partial^2 g_{il}}{\partial x_k \partial x_m} - \frac{\partial^2 g_{km}}{\partial x_i \partial x_l} \right) \left. \begin{array}{l} \text{Grossmann} \\ \text{Linsenwert} \\ \text{Mannigfaltigkeit} \end{array} \right\}$$

$$+ \sum_{\rho\sigma} g_{\rho\sigma} \left([{}^{im}{}_{\rho}] [{}^{kl}{}_{\sigma}] - [{}^{il}{}_{\rho}] [{}^{km}{}_{\sigma}] \right)$$



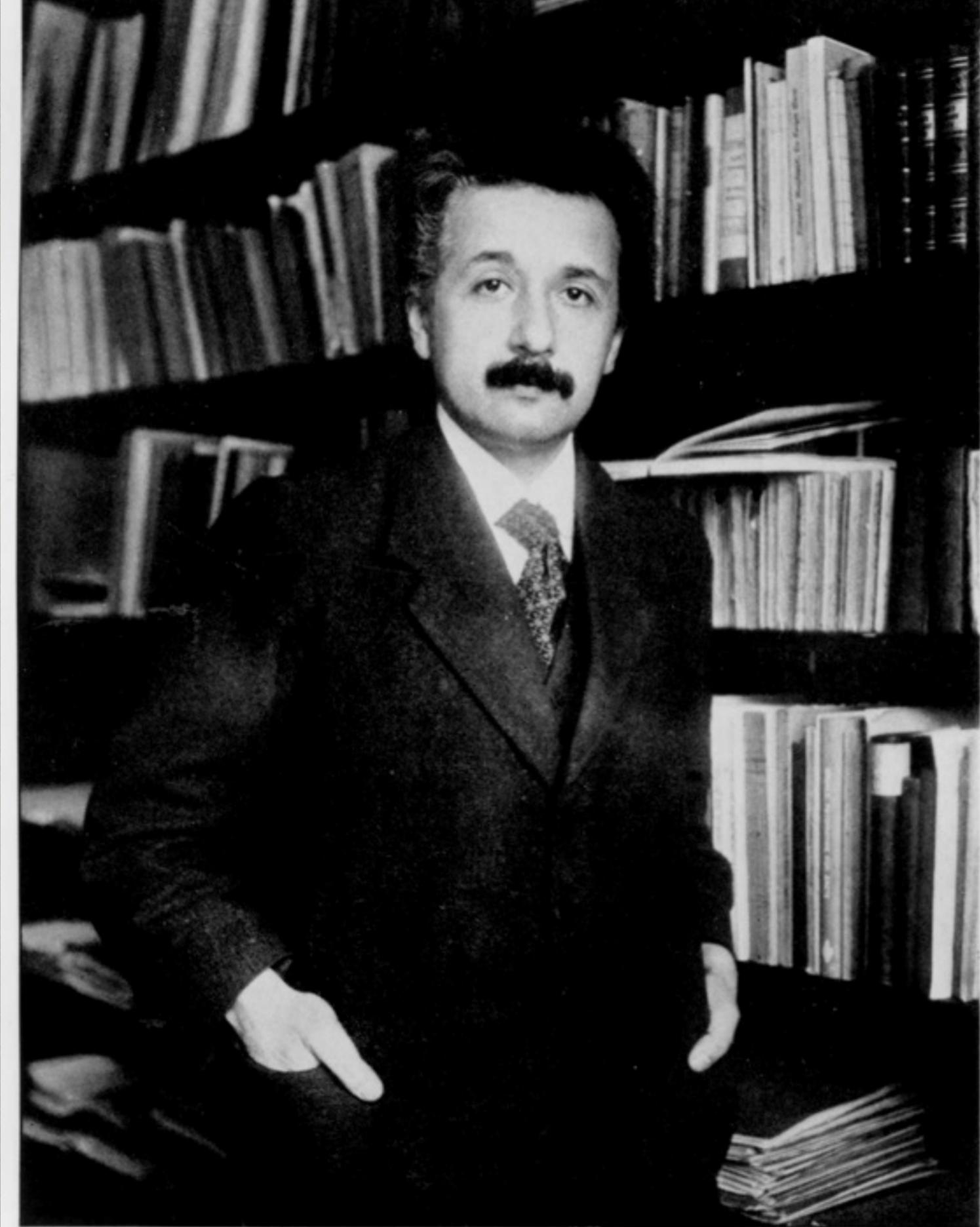


HAVE YOU SEEN
WHAT'S HAPPENING
TO MERCURY'S
PERIHELION?

I KNOW.
IT'S JUST SO...
ANOMALOUS.

WHES!!!

JSP
TALLY



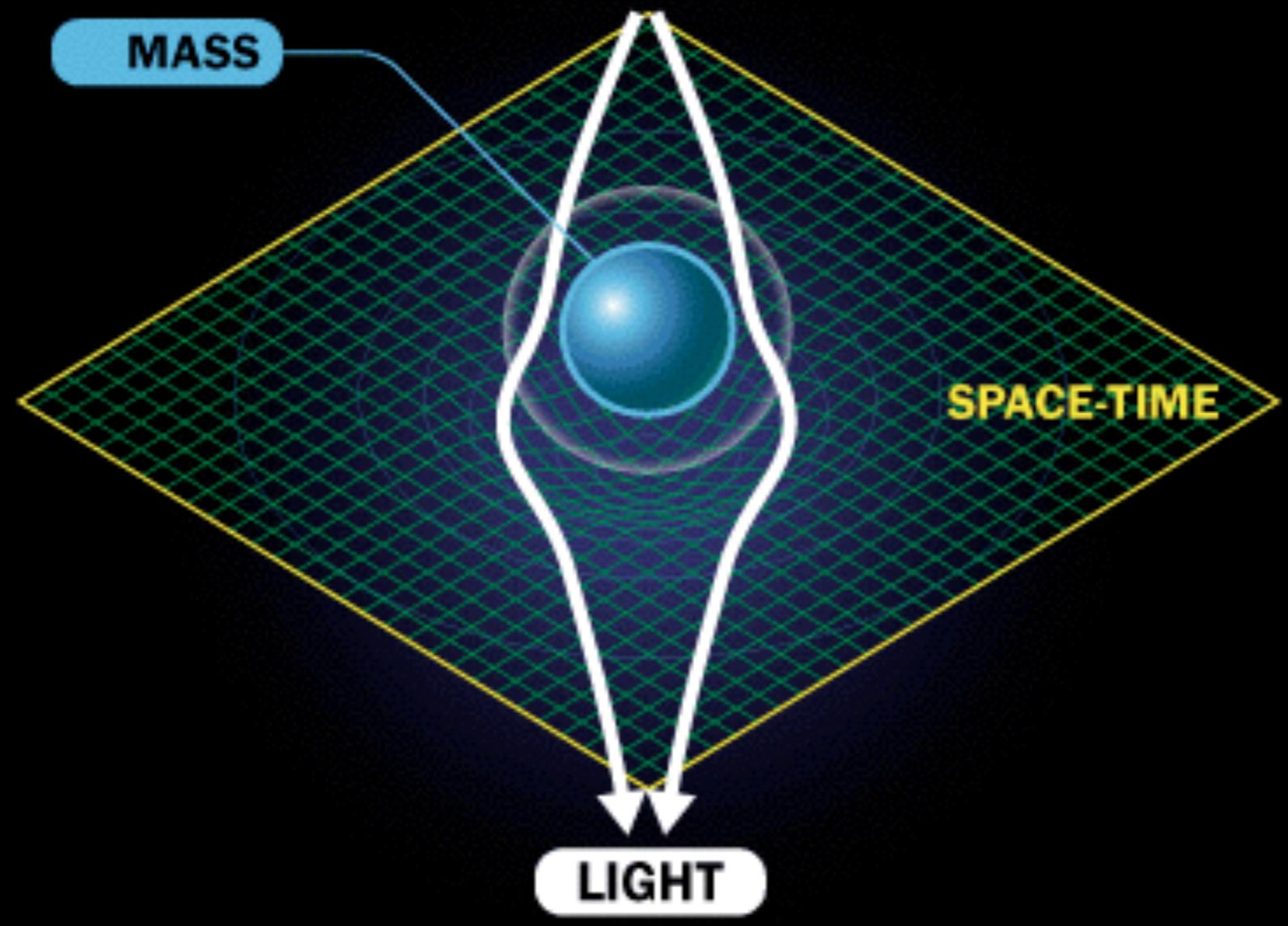
“As his mind knows no limits, so his
body follows no set rules.

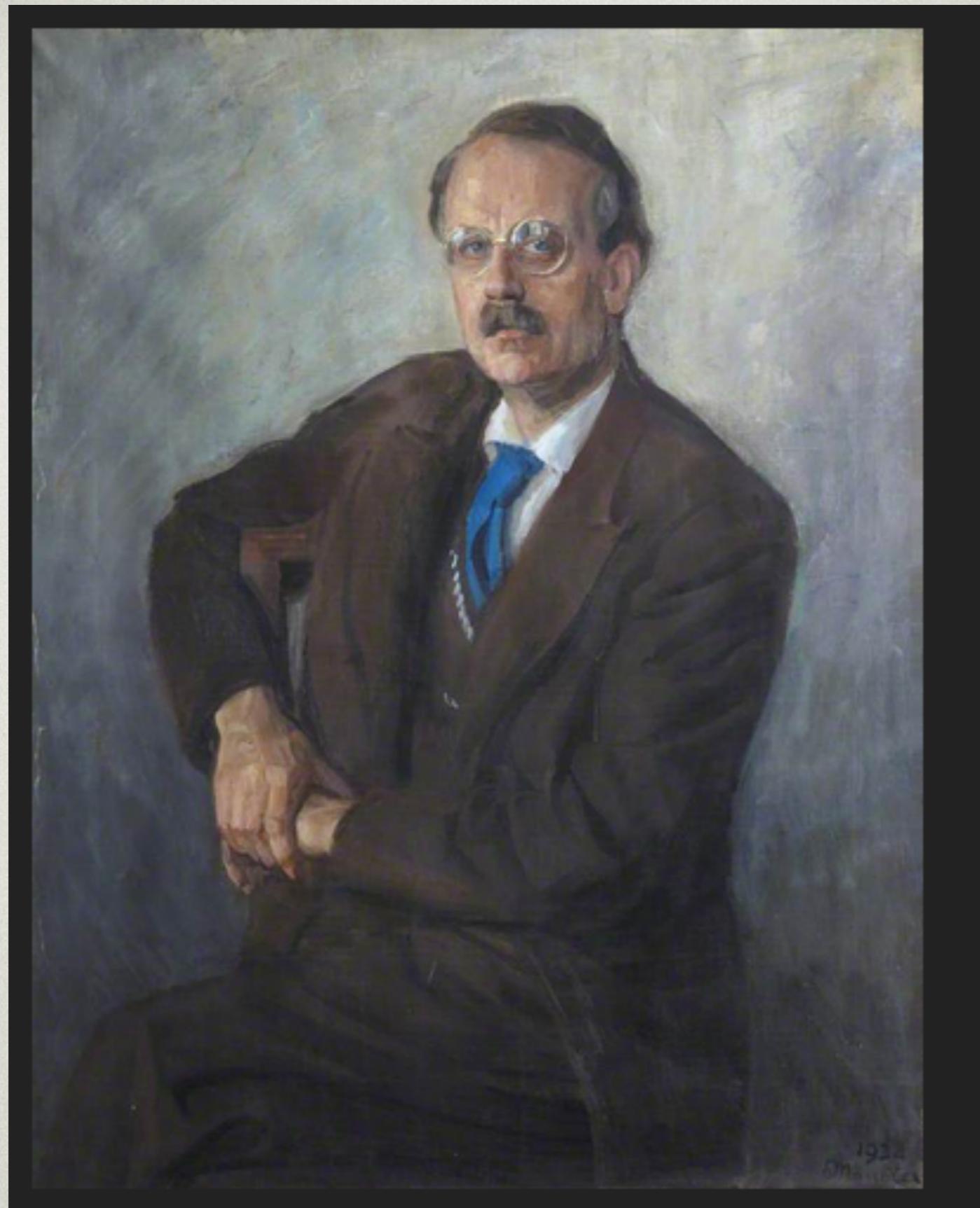
He sleeps until he is awakened; he
stays awake until he is told to go to
bed; he will go hungry until he is given
something to eat; and then he eats until
he is stopped.”

Janos Plesch



How Warp Speed Works Gravitational Lens Effect





Erwin Finlay Freundlich
1885--1964



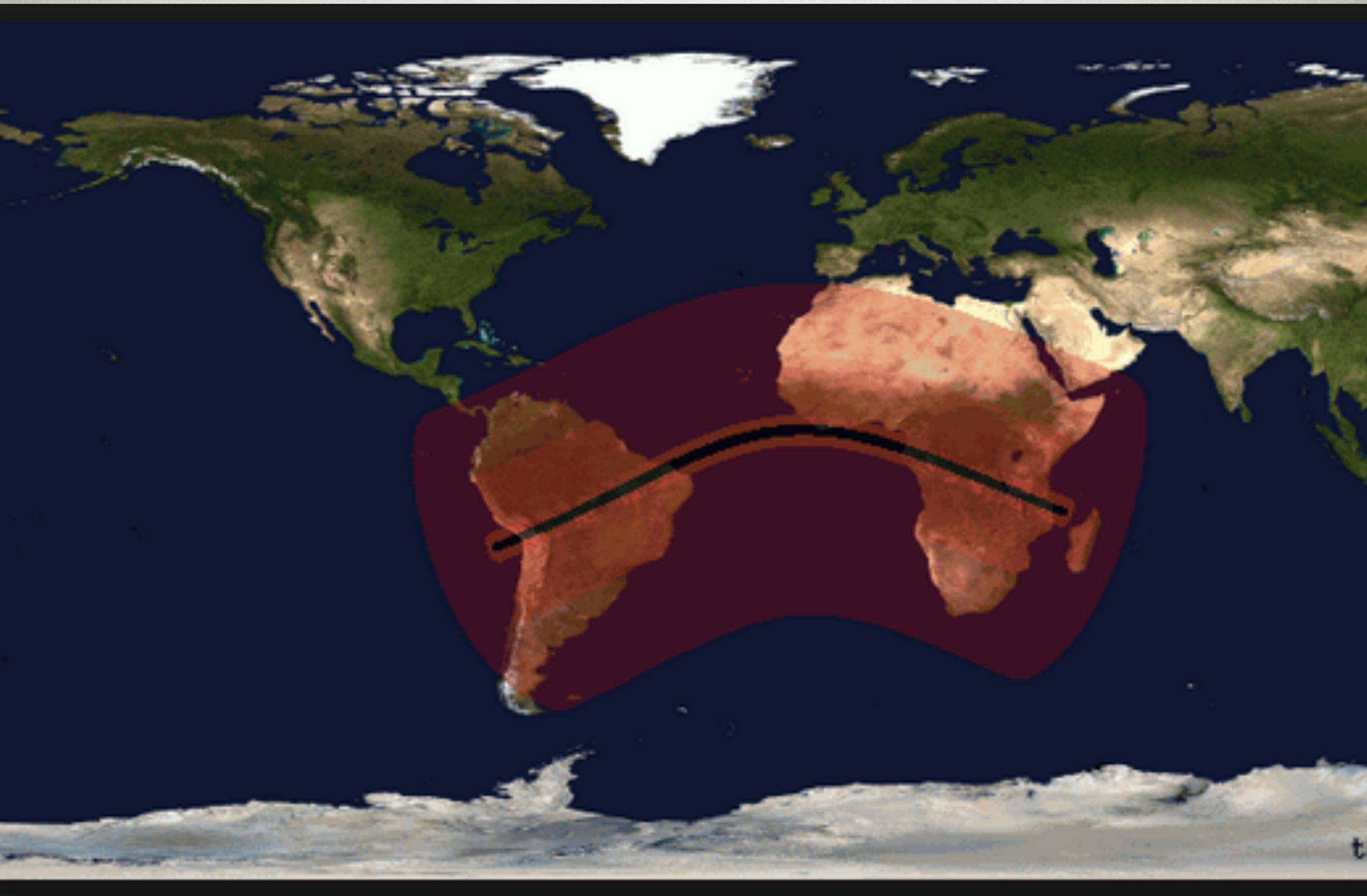
“The years of searching in the dark for a truth that one feels but cannot express, the intense desire and the alternations of confidence and understanding are known only to him who has himself experienced them.”



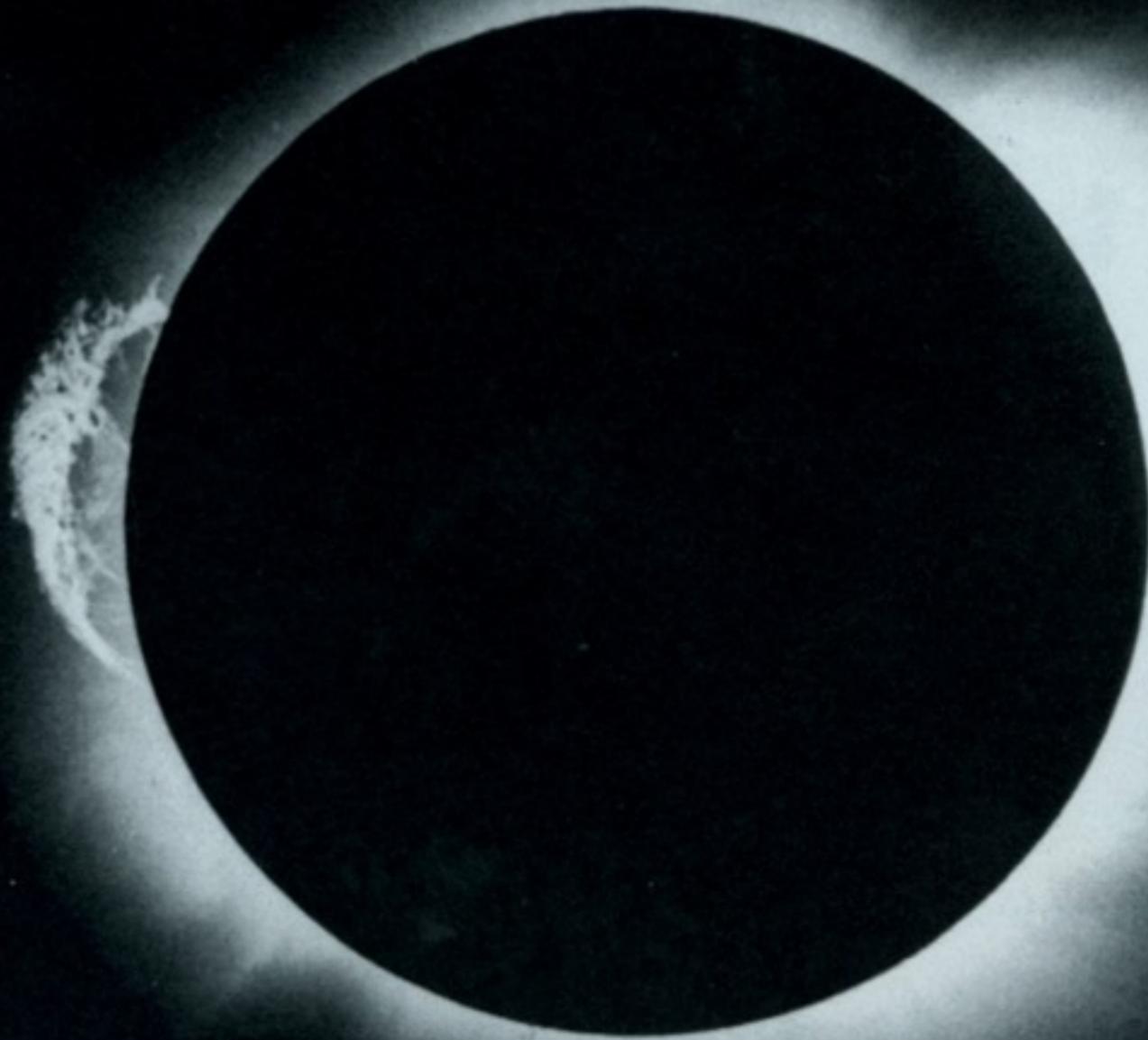
Arthur Stanley
Eddington
1882 -- 1944

*“On the contrary, I
was trying to think
of who the others
could be.”*





May 29, 1919





“Dear Mother,
Joyous news
today.”
Einstein to
Pauline

Tommy van

“We were the chorus commenting on the decree of destiny as disclosed by the development of a supreme incident. there was dramatic quality in the very staging -- the traditional ceremonial, and in the background the picture of Newton to remind us that the greatest of scientific generalizations was now, after more than two centuries, to receive its first modification. Nor was the personal interest wanting: a great adventure in thought had at length come safe to shore.”

Alfred North Whitehead, The Times of London

Eclipse Results Confirm Einstein's General Theory of Relativity, November 9, 1919

Section 1

"All the News That's Fit to Print."

The New York Times.

THE WEATHER
Fair today; Monday cloudy; rain by night; moderate north and northwesterly winds.
OF THE DAY weather report see page 11.

Section 1

VOL. LXIX...No. 22,660.

NEW YORK, SUNDAY, NOVEMBER 9, 1919. 138 PAGES, In Eleven Parts.

FIVE CENTS In Advance.

SWEEP IN SENATE FOR RESERVATION ON WITHDRAWAL

Vote of 50 to 35 for Asserting Right to Judge Fulfillment of Our League Obligations.

BACKED BY FIVE DEMOCRATS

Bold Republican Vote Lines Up, Though McComb and Nelson Aesthet Plan.

LENROOT TAUNT RESENTED

He Charges Democratic Subversion to Wilson—Felt to Save President's Vote.

Special to The New York Times.

WASHINGTON, Nov. 8.—After a brilliant fight by the minority, the Senate, by a vote of 50 to 35, adopted today the reservation offered by the Foreign Relations Committee, under which the United States declares the right to be the sole judge, in the event of its withdrawal from the League of Nations, as to whether its obligations to the League have been fulfilled.

That all the Senators who were unable to vote because of being called or absent cast their votes, the result would have shown every one of the forty-nine Republican Senators in favor of the reservation, together with all Democrats, making an aggregate of fifty-five Senators for the reservation and forty-nine against it.

The vote in the favor of the Republican leaders, indicates that the League majority has the reservation absolutely fixed in hand and that nearly all, if not all, of those reservations on its program, will be voted as a part of the reservation of modification.

Senator Lodge, commenting on the vote, said: "The majority reservation, if now approved, will be adopted, at least nearly all of them, just as they were drafted by the committee. If the Democrats vote down the reservation of modification with the reservation attached to it, as they threaten, they will not only break the treaty, they will have no way, after that, of reconstructing it."

Head of the Reservation.
The reservation adopted today reads: "The United States, in withdrawing and continuing Article I that in all of such of withdrawal from the League of Nations, as provided in said article.

Republican Wins Oklahoma District on League Issue

Special to The New York Times. OKLAHOMA CITY, Okla., Nov. 8.—The Fifth Congressional District, long-time Democratic, elected today J. W. Harrell, Republican, of Oklahoma City, to Congress, over Charles Weaver, Democrat.

Harrell made his campaign on the record of the administration, speaking for the League Government without reservation or amendment. Harrell took the attitude of the "old conservative" Republicans in the Senate. J. B. Thompson, whose death caused the special election, carried the district last year by 1,400 plurality. The district has never elected a Republican Congressman before.

GRAND JURORS FEAR SECRET SHADOWERS

Extraordinary Precautions Are Taken to Prevent Revelations of Activities.

SUSPECT WIRES ARE TAPPED

Rooms Searched Daily for Dictaphones—Doors Are Heavily Guarded Between Sessions.

The suspicion of some of the members of the Extraordinary Grand Jury that they were being subjected to some form of espionage by private detectives or agents, it was rumored at the United States Building yesterday, has brought about unusual precautions for safeguarding the jury's deliberations and for the maintenance of secrecy regarding the details of the investigation, which is believed to affect some important departments of the city administration, including the police.

It was said that one of the jurymen taken to prison last week for a report of a daily inspection, before the morning hours of the entire room in an effort to determine if any other "listening" device had been concealed in the vicinity of the jurymen. As far as the activities of tapping has been found, the jury has not in session yesterday. The room was kept locked and guarded on the outside by coast officers and no one was permitted to enter it.

73 RED CENTRES RAIDED HERE BY LUSK COMMITTEE

Hundreds of Prisoners and Tons of Seditious Literature Taken to Headquarters.

700 POLICEMEN TAKE PART

Chairman Lusk Tells of Admitted Determination to Seize the Government.

PALMER TO DEPORT REDS

More Than 200, Seized Friday. Most Leave Country—40 More Taken in Bridgeport.

Special to The New York Times.

Seventy-three radical headquarters in all five boroughs of this city were raided simultaneously last night by the members of revolutionary propaganda for more than 100 policemen and various agents of the Federal and State Governments acting under the authority of search warrants issued by Chief Magistrate Madden in the South Court house.

After lawless for the committee had completed a canvass of some 500 prisoners at Police Headquarters at 1 o'clock this morning, they divided the police to raid about 100 men on charges of criminal conspiracy and treason against the United States.

The places raided were all connected with the so-called "Communist Party," the group of radicals which has broken away from the Socialist Party and organized to form a union of AMERICAN, I. W. W., syndicates, and all other kind of groups of radicals. The addresses of the seventy-three places, many of which are the editorial rooms of radical publications, were furnished by Assistant United States Attorney M. J. McLaughlin and Charles F. Donnelly of the Lusk Committee, who appeared yesterday morning before Magistrate McLaughlin and obtained search warrants for them.

According to the best information available, these radical headquarters in all five boroughs of this city were raided simultaneously last night by the members of revolutionary propaganda for more than 100 policemen and various agents of the Federal and State Governments acting under the authority of search warrants issued by Chief Magistrate Madden in the South Court house.

Outbreaks in Italian Cities on Socialist Anniversary

ROME, Nov. 8. (Associated Press.)—Outbreaks broke out at Milan and Genoa on a result of Socialist celebrations of the anniversary of the Russian revolution by which the Socialist cause was proclaimed.

There were first and many arrests were made at Milan, where the Socialists clashed with former soldiers. Troops of Genoa dispersed groups of Socialists carrying red flags and pictures of Lenin.

The Socialists organized a strike in Turin and tried to hold a meeting, but were dispersed by charges of anarchy. Several hundred of them were arrested, including Signor Sabatini, Socialist candidate in the coming elections.

In Florence the Socialists held a meeting, at which, owing to disordering, the police intervened. There were several arrests.

Special to The New York Times.

WASHINGTON, Nov. 8.—A confidential list of Congress made by the Clerk of the House indicates that General Leonard Wood is strongly favored for the Republican Presidential nomination.

He received more preference than all of the other candidates mentioned in the returns to this question: "Who, in your opinion, will be the member of the Republican Party for President in 1920?"

Attention was given to members that their replies would be treated confidentially and that only the general result would be made known.

The list showed the following: Wood—General Wood, 110; Governor Frank B. Rowland, 10; Senator James H. Watson, 30; Senator Walter G. Harding, 10; Senator William Johnson, 2; William H. Taft, 2; General Postum, 1.

COURT ORDERS STRIKE CALL REVOKED; UNION CHIEFS TO CONFER TOMORROW; GOMPERS MAY APPEAL TO PRESIDENT

LABOR CHIEFS SURPRISED

Gompers and Others Discomfited by Failure in Indianapolis.

REPORT CONFERENCE CALL

Summoning of Federation Officials May Precede Appeal to President.

STRIKE COLLAPSE EXPECTED

Coal to be Allowed to Foreign Ships Not Carrying Cargo Fuel.

Special to The New York Times.

WASHINGTON, Nov. 8.—Samuel Gompers, President of the American Federation of Labor, and Roger W. Brown, the official representative of the Western Federation of Miners in Washington, were in a gloomy mood of mind today after they learned that Judge Anderson had issued his order directing the leaders of the miners to call off the strike. They refused to comment upon the new situation.

It was reported tonight that Mr. Gompers had met out a call to members of the Executive Committee of the American Federation of Labor to confer with him tomorrow in Washington, and that an appeal might be made to President Wilson before Tuesday night. There was also a report that William Green, Secretary of the Western Federation of Miners, might be away from Indianapolis in Washington to join the conference. This would not be surprising.

Court Says Coal Strike Threatens the Republic; One Strike Leader Expresses His Defiance

INDIANAPOLIS, Nov. 8.—Judge Anderson, in granting the injunction today ordering the recall of the coal strike order, said: "This case involves solely the question of enforcing the law. It is my absolute duty to uphold the law, which no one man and no body of men has the right to override. Were we to admit to even the slightest degree a contrary right, we would undermine the foundations of the Republic."

"The Government is right in seeking to uphold its own laws and in asking its courts to aid it. These men have done an illegal act from which irreparable injury results to the complainant."

PITTSBURGH, Pa., Nov. 8.—"Regardless of the injunction, prison and judges in the United States, I will not alter my stand, for I believe we are right," declared Alexander Howat, President of District 14, United Mine Workers of America, tonight when questioned as to what his attitude would be toward the court mandate issued in Indianapolis today.

President Howat left tonight for Indianapolis to meet Monday with other officials to decide on action. Mr. Howat said he expected the sessions to last until after midnight Tuesday and that, therefore, if any arrests are made officials in Indianapolis will make them.

NEW RAILROAD BILL WON'T BAR STRIKES

House Committee Drops That Provision of the Senate Measure.

METHOD FOR LABOR APPEAL

Employers, Employees, and the Public to be Represented on Tribunal.

WASHINGTON, Nov. 8. (Associated Press.)—Provision relating to strikes in interstate commerce in its program of permanent railroad legislation, for which the House Committee on Commerce reported tonight, the bill would not bar strikes.

PRESSMEN YIELD, STRIKE NEARS END

1,600 of the 2,300 Members in Seceding Local 51 Obtain International Cards.

MANY SHOPS TO RESUME

Publishers Expect to See Most of the Compositors Back at Work Tomorrow.

The end of the sleep in the printing industry which has existed in New York City for six weeks is now practically in sight as a result of the return of more than one-third of the pressmen to the international union. On Friday night the

UNION MUST ACT BY TUESDAY

Judge Anderson Rules Walkout Is a Defiance of Fuel Control Act.

SAYS IT HEARS REBELLION

Holds Union Attorneys to Lever Act and Refuses to Hear Talk of Right of Workers to Quit.

COMPLIANCE IS EXPECTED

Counsel for Miners Says Lewis Will Obey Mandate, but Cannot Speak for Other Leaders.

INDIANAPOLIS, Nov. 8.—The officials of the United Mine Workers of America were ordered to recall before 6 o'clock Tuesday afternoon the order under which more than 400,000 to 500,000 men were called back to work. It is a mandatory injunction granted by Judge A. S. Anderson, after a hearing to which the union attorneys sought to take in regard to the right of workers to strike.

"Violation of the statute (Federal Fuel) and Fuel Control act, as charged by the Government, was affirmed by Judge Anderson, who said that the union was not only illegal, but that under the circumstances it constituted a rebellion."

ECLIPSE SHOWED GRAVITY VARIATION

Deviation of Light Rays Accepted as Affecting Newton's Principles.

MAILED AS EPOCHMAKING

British Cabinet Calls for Money by Way of the Standard of Pound Revaluation.

Receipts, 1917, for the New York State Normal School of the State Teachers College, Albany, N. Y., for the year ending June 30, 1917, are \$1,000,000.

Members of the House of Representatives, who are in the city of Albany, N. Y., for the purpose of attending the annual convention of the State Teachers College, Albany, N. Y., for the year ending June 30, 1917, are \$1,000,000.

There has been a large attendance of members and visitors at the annual convention of the State Teachers College, Albany, N. Y., for the year ending June 30, 1917, which is being held at the State Normal School, Albany, N. Y.

The convention, which opened on the morning of the 29th inst., at the State Normal School, Albany, N. Y., for the year ending June 30, 1917, is being held at the State Normal School, Albany, N. Y.

Madame X

MADAME X has a \$10,000 necklace of fine Oriental Pearls, which she replaced a few weeks later with a necklace of Tacta Pearls, reproduced to conform to her minute description of the original gems.

And everybody said, I am so glad, my dear, that you found your pearls!

The Department of Education has announced that the State Normal School, Albany, N. Y., for the year ending June 30, 1917, is being held at the State Normal School, Albany, N. Y.

The State Normal School, Albany, N. Y., for the year ending June 30, 1917, is being held at the State Normal School, Albany, N. Y.

DRUG DEBS NOW LEAD BY ONLY SIX VOTES

Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

Results of the election for the office of County Clerk, Cayuga County, N. Y., for the year ending June 30, 1917, are as follows: Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

AUTO KILLS BOY SKATER

Five Year Old Boy Killed While Playing in a Country Park.

Results of the election for the office of County Clerk, Cayuga County, N. Y., for the year ending June 30, 1917, are as follows: Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

REVENUE'S ACCOUNTS \$75,000,000 SHORT

Controller's Statement for 1917 Shows That Amount for War Expenses Exceeded Provisions.

Results of the election for the office of County Clerk, Cayuga County, N. Y., for the year ending June 30, 1917, are as follows: Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

ASKS PRINT PAPER BAN

Manufacturers of Newsprint Demand \$1,000 Fine for Exporting.

Results of the election for the office of County Clerk, Cayuga County, N. Y., for the year ending June 30, 1917, are as follows: Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

THE STATE DEPT. OF THE INTERIOR

Results of the election for the office of County Clerk, Cayuga County, N. Y., for the year ending June 30, 1917, are as follows: Official Count of Cayuga County Shows Their Lead by 1,000 Votes.

80% of the Employees of Oppenhein, Collins & Co. have enrolled in the Red Cross Call.

Pittsburgh
Scranton
Philadelphia

OPPENHEIM, COLLINS & CO

34th Street—New York

Fur Garments, Tailored Suits and Coats

The Seven Stars purchasing power of the Store of Oppenhein, Collins & Co. has developed a commanding prestige among creators of Women's Apparel around the world.

The extraordinary values offered are not shown in the nature of "Reductions." They are the result of the makers' price concessions, based on our own tremendous purchasing capacity. Thus you are always truly feature Extraordinary Values at Exceptional Prices.

 <p>Sealine Coats (over Coats), 36 in. long, Australian Opposum or Toupe Notion Collars and Cuffs. Value \$215.00 135.00</p>	<p>Attractive Gray Squirrel Coats, 36 in. long, South-Island Models, Notion Collar and Border. Value \$225.00 125.00</p>
<p>Natural Minked Coats, 36 in. long, Belled Model, Notion Collar, Cuffs and Border. Value \$200.00 185.00</p>	 <p>Hudson Seal Coats, (over Coats), 36 in. long, Belled Model, Notion Collar and Cuffs. Value \$215.00 150.00</p>
<p>Hudson Seal Coats (over Coats), 36 in. long, Notion Collar, Cuffs and Border. Value \$215.00 225.00</p>	<p>Hudson Seal Coats, (over Coats), 36 in. long, Belled Model, Beaver Collar and Cuffs. Value \$215.00 375.00</p>
<p>Spot Model of Minkskin, 36 in. long, Loose back Belled Model, Notion Collar, Cuffs and Border. Value \$265.00 295.00</p>	<p>Trimmed Hudson Seal Coats, (over Coats), 36 in. long, Beaver Collar and Cuffs. Value \$215.00 465.00</p>

Extraordinary Sale Monday

375 Women's and Misses' Tailored Suits

Regular Values \$5.00 to \$5.00

Important Coat Sale Monday

47-49-51 West 42d Street

Renard

Women's & Misses' Beautifully Tailored and Smart Fur Trimmed Coats

49.50

29 new models—values \$100.00

A remarkable collection of superior coats—luxury materials, perfect tailoring, beautiful and well-balanced along every particular line.

STYLES: **MATERIALS:**

Belled, Loose back, Beaver back, straightline. Mink, Squirrel, Fox, Seal, Beaver, Lamb, Goat & Laine.

The variety of styles comprises everything you could desire for warmth as well as style in all the essential values of the season. Tail with cashmere, alpaca, and warmly lined.

Large Stocks of Other Beautiful Coats at 29.75, 39.75 and up to \$100

RENARD—West 42d Street—RENARD

1000 Broadway, N.Y.

Hagedorn's

Corner of 67th Street

On page 6

LIGHTS ALL ASKEW IN THE HEAVENS

Mass of Science More or Less Agree Over Results of Eclipse Observations.

EINSTEIN THEORY TRIUMPHS

Shows Not Where They Seemed or Were Calculated to Be, but Nobody Was Wrong.

A BOOK FOR 12 WISE MEN

By Men in All the World Found Consistent in Their Opinions When the World's Problems Tangled It.

WASHINGTON, Nov. 15.—(Special Telegrams.)—The world's opinion on the results of the eclipse observations is all in all the same. The men in all the world found consistent in their opinions when the world's problems tangled it.

The eclipse observations were made in all parts of the world. The results were consistent in all cases. The men in all the world found consistent in their opinions when the world's problems tangled it.

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French Government to Open Cheap National Restaurants

PARIS, Nov. 15.—(Special Telegrams.)—The French government has decided to open cheap national restaurants in all parts of the country. The restaurants will be open to all citizens, and will serve simple, hearty food at a low price.

HOLLAND UNLIKELY TO GIVE UP KAISER

Dutch Cabinet on Anniversary of His Flight Took Stand on Right of Asylum.

NO DEMAND FOR HIM YET

Negotiations with Regard to Ex-Emperor's Asylum Are Said to Be Going Well.

THE HAGUE, Nov. 15.—(Special Telegrams.)—The Dutch cabinet has decided to take a stand on the right of asylum for the ex-emperor. The cabinet has decided that it will not give up the emperor, and will continue negotiations with regard to his asylum.

The negotiations with regard to the emperor's asylum are said to be going well. The Dutch cabinet has decided to take a stand on the right of asylum for the ex-emperor.

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ORLANDO POINTS TO ITALY'S GAINS

Treaty Assures Her Frontiers, He Says, Though Peace Dealish Confusion.

CITES WILSON'S OPPOSITION

Says It is "Inconceivable That" in the Conference of Italy's Conditions.

ROME, Nov. 15.—(Special Telegrams.)—Orlando, Italian foreign minister, has pointed out the gains that Italy will receive from the peace treaty. He says that the treaty will assure her frontiers, and that she will be able to deal with the confusion of the peace deal.

Orlando also cited Wilson's opposition to Italy's conditions. He says that it is inconceivable that Italy's conditions will be accepted at the conference.

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Republican Wins by 1,300 in Oklahoma; Favored Reservations in League Fight

OKLAHOMA CITY, Nov. 15.—(Special Telegrams.)—The Republican party has won the election in Oklahoma by a margin of 1,300 votes. The voters favored the reservations in the league fight.

ASTOR CAMPAIGN ENTERING LAST LAP

Close of the First Week Seen As Three Candidates Drawing Victory.

LADY ASTOR CITES BIBLE

Tells Hearers That the "Old Testament" Taught the Golden Rule.

LONDON, Nov. 15.—(Special Telegrams.)—The Astor campaign is entering its last lap. The close of the first week is seen as three candidates drawing victory.

Lady Astor, in her speech, cited the Bible and told her hearers that the "old testament" taught the golden rule.

Lady Astor also pointed out the gains that she will receive from the peace treaty. She says that the treaty will assure her frontiers, and that she will be able to deal with the confusion of the peace deal.

Lady Astor also cited Wilson's opposition to Italy's conditions. She says that it is inconceivable that Italy's conditions will be accepted at the conference.

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CZERNIN'S BOOK PREDICTS MORE WAR

"In This Peace There Lie the Seeds of Death," He Tells Diplomat Days.

HAD A CHAPTER ON WILSON

Says That Austria's Regimes of the Fourteen Points Was Justified in Versailles.

VIENNA, Nov. 15.—(Special Telegrams.)—Czernin's book predicts more war. He says that in this peace there lie the seeds of death. He tells diplomat days.

Czernin also had a chapter on Wilson. He says that Austria's regimes of the fourteen points was justified in Versailles.

Czernin also pointed out the gains that he will receive from the peace treaty. He says that the treaty will assure her frontiers, and that he will be able to deal with the confusion of the peace deal.

Czernin also cited Wilson's opposition to Italy's conditions. He says that it is inconceivable that Italy's conditions will be accepted at the conference.

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YUDENITCH'S ARMY STILL FALLING BACK

Networks Claim Continued Advances in Northwest Russia and Also in the South.

BALTIC STATES TO CONFER

Will Discuss the Possibility of Coming to an Agreement with the Russian Soviet.

ST. PETERSBURG, Nov. 15.—(Special Telegrams.)—Yudenitch's army is still falling back. Networks claim continued advances in northwest Russia and also in the south.

The Baltic states are to confer and will discuss the possibility of coming to an agreement with the Russian Soviet.

The Baltic states also pointed out the gains that they will receive from the peace treaty. They say that the treaty will assure their frontiers, and that they will be able to deal with the confusion of the peace deal.

The Baltic states also cited Wilson's opposition to Italy's conditions. They say that it is inconceivable that Italy's conditions will be accepted at the conference.

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Deutsches Volk's Public Lines to Show Can Take of Public

BERLIN, Nov. 15.—(Special Telegrams.)—The German people's public lines will show that they can take of public. The lines will be open to all citizens, and will serve simple, hearty food at a low price.

GRAND JURY ACTION ANGRERS THE MAYOR

Wishes Public Protest Against Taking of His Private Correspondence.

SEES AID TO DISCREDIT HIM

Completion of Investigation That He Thinks Came from Persons in Authority.

NOT AVERSE TO PUBLICITY

Writing That He Has Letters He Published if July 1918 Sent to the West.

NEW YORK, Nov. 15.—(Special Telegrams.)—The grand jury action has angered the mayor. He wishes public protest against the taking of his private correspondence.

The mayor sees aid to discredit him in the completion of the investigation that he thinks came from persons in authority.

The mayor is not averse to publicity. He has written that he has letters he published if July 1918 sent to the west.

The mayor also pointed out the gains that he will receive from the peace treaty. He says that the treaty will assure his frontiers, and that he will be able to deal with the confusion of the peace deal.

The mayor also cited Wilson's opposition to Italy's conditions. He says that it is inconceivable that Italy's conditions will be accepted at the conference.

CALLS KEMAL PASHA A PATRIOTIC TURK

Grand Rabbi of Turkey Says Nationalists Do Not Mean any Harm.

APPLYING WILSON FORMULA

He Believes That Only Way to Control Region of Turkey is Turkish Population.

ISTANBUL, Nov. 15.—(Special Telegrams.)—The grand rabbi of Turkey has called Kemal Pasha a patriotic Turk. He says that the nationalists do not mean any harm.

The grand rabbi also pointed out the gains that he will receive from the peace treaty. He says that the treaty will assure his frontiers, and that he will be able to deal with the confusion of the peace deal.

The grand rabbi also cited Wilson's opposition to Italy's conditions. He says that it is inconceivable that Italy's conditions will be accepted at the conference.

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LIGHTS ALL ASKEW IN THE HEAVENS

Men of Science More or Less
Agog Over Results of Eclipse
Observations.

EINSTEIN THEORY TRIUMPHS

Stars Not Where They Seemed
or Were Calculated to be,
but Nobody Need Worry.

A BOOK FOR 12 WISE MEN

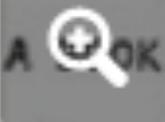
No More in All the World Could
Comprehend It, Said Einstein When
His Daring Publishers Accepted It.

LIGHTS ALL ASKEW IN THE HEAVENS

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Agog Over Results of Eclipse
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 **LOOK FOR 12 WISE MEN**

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DON'T WORRY OVER NEW LIGHT THEORY

Physicists Agree That It Can Be
Disregarded for Practical
Purposes.

NEWTON'S LAW IS SAFE

At Most It Suffers Only Slight
Correction, Says Prof. Bum-
stead of Yale University.

OTHER PROFESSORS' VIEWS

EINSTEIN EXPOUNDS HIS NEW THEORY

It Discards Absolute Time and
Space, Recognizing Them Only
as Related to Moving Systems.

IMPROVES ON NEWTON

Whose Approximations Hold for
Most Motions, but Not Those
of the Highest Velocity.

INSPIRED AS NEWTON WAS

Articles in The Times from Nov. 10, 1919, left; Nov. 16, 1919, center; and Dec. 3, 1919.

14. Dezember
1919
Nr. 50
28. Jahrgang

Berliner

Einzelpreis
des Heftes
25 Pfg.

Illustrierte Zeitung

Verlag Wiggen & Co., Berlin SW 68

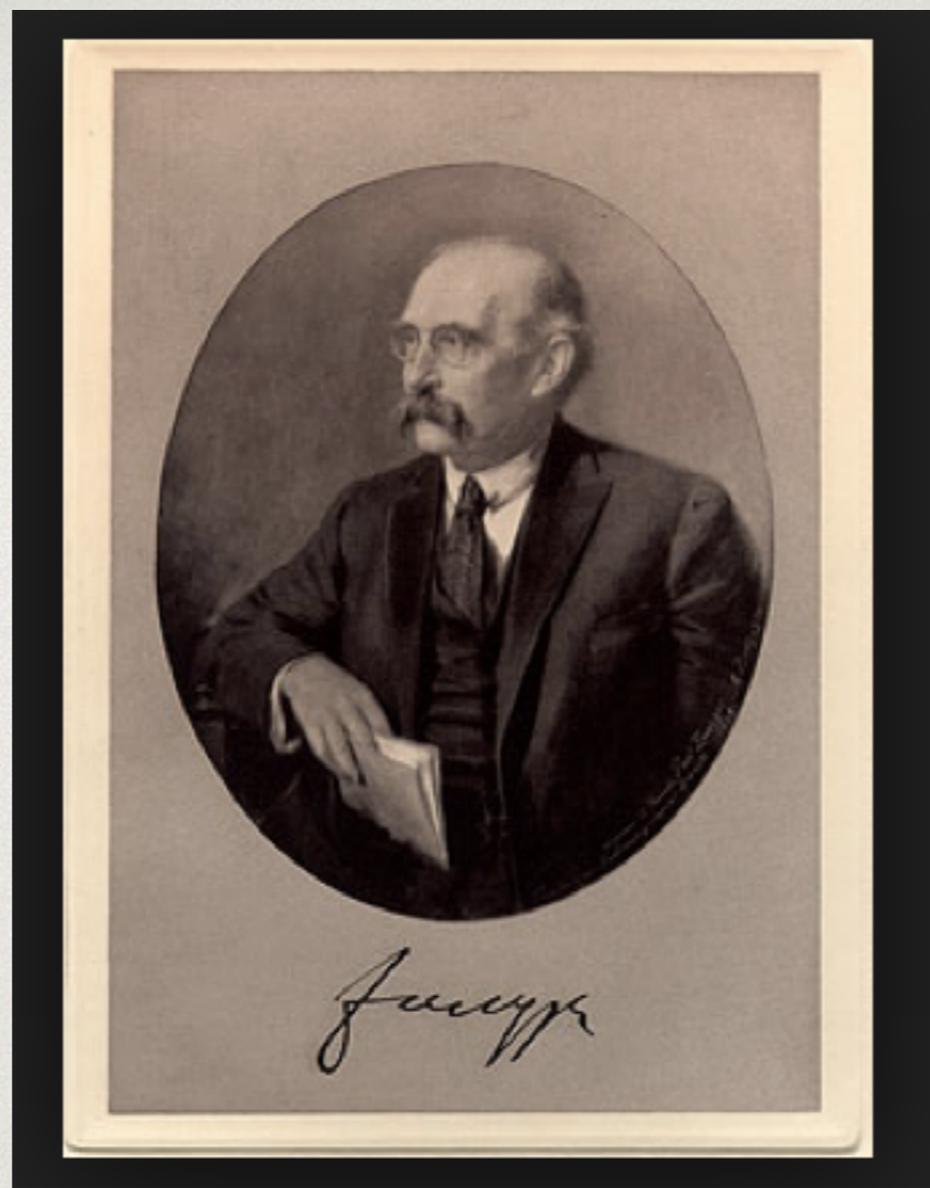


Eine neue Größe der Weltgeschichte: Albert Einstein, dessen Leistungen eine völlig neue Epoche unserer Naturwissenschaft leuchten. (Phot. Hans Bick.)

A new giant
on the world scene

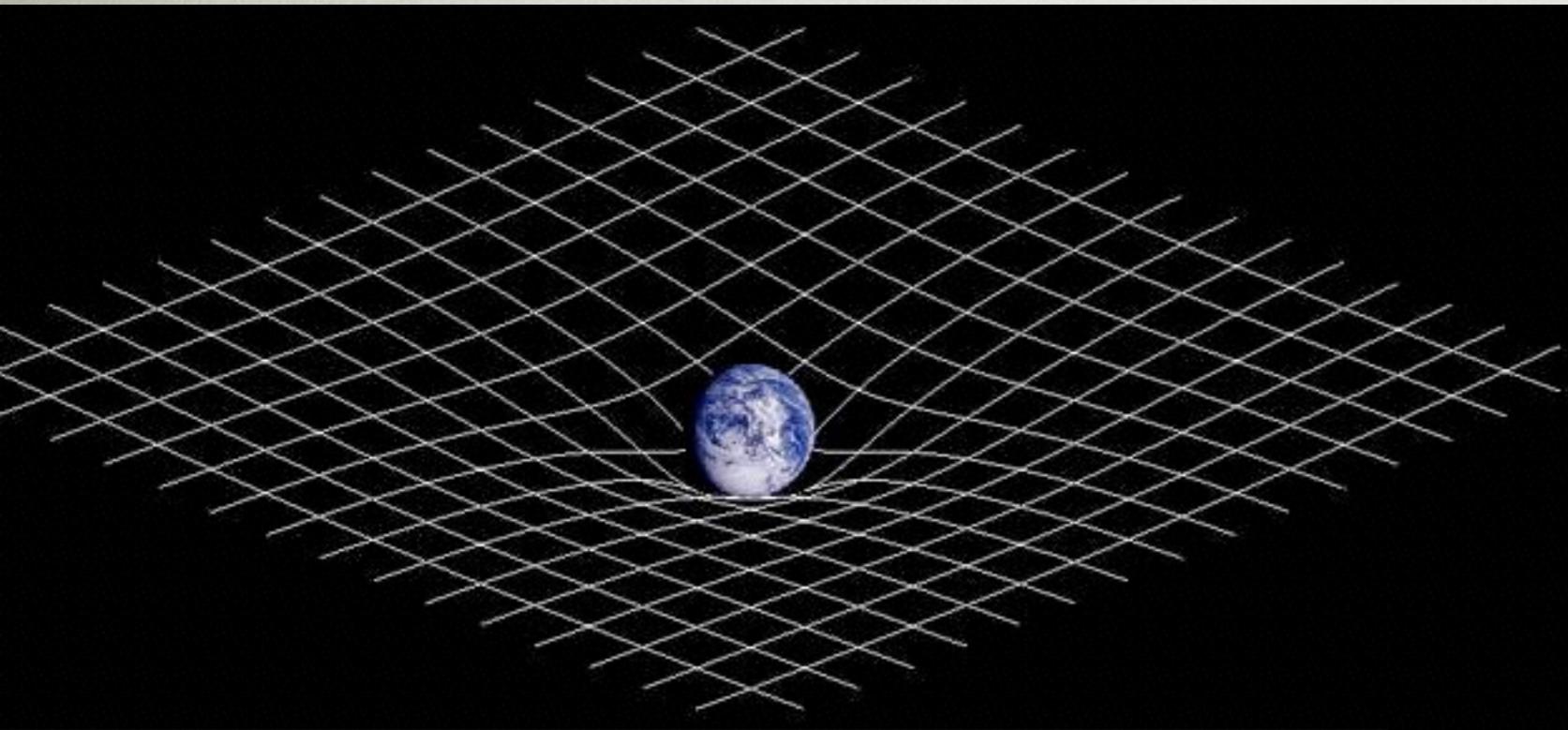
By an application of the theory of relativity to the taste of readers, today in Germany I am called a German man of science and in England I am represented as a Swiss Jew. If I come to be regarded as a *beta noire* the description will be reversed, and I shall become a Swiss Jew for the Germans and a German man of science for the English.

-- *Albert Einstein, November 28, 1919*

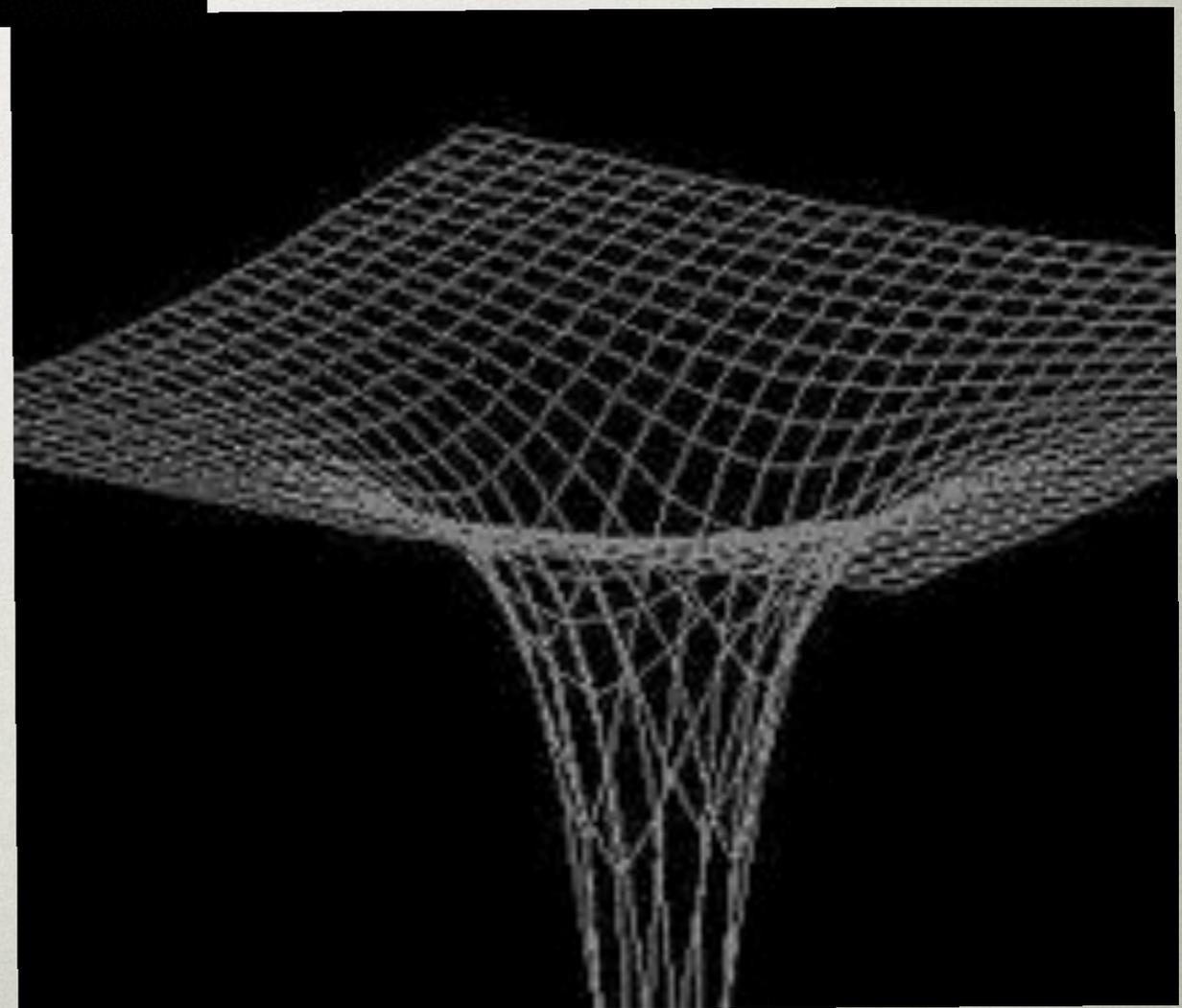


Your perseverance in the thought that light must travel in a curve around the Sun...is a tremendous psychological experience for me. You were so certain that this certainty had a violent effect.

-- October 22, 1919

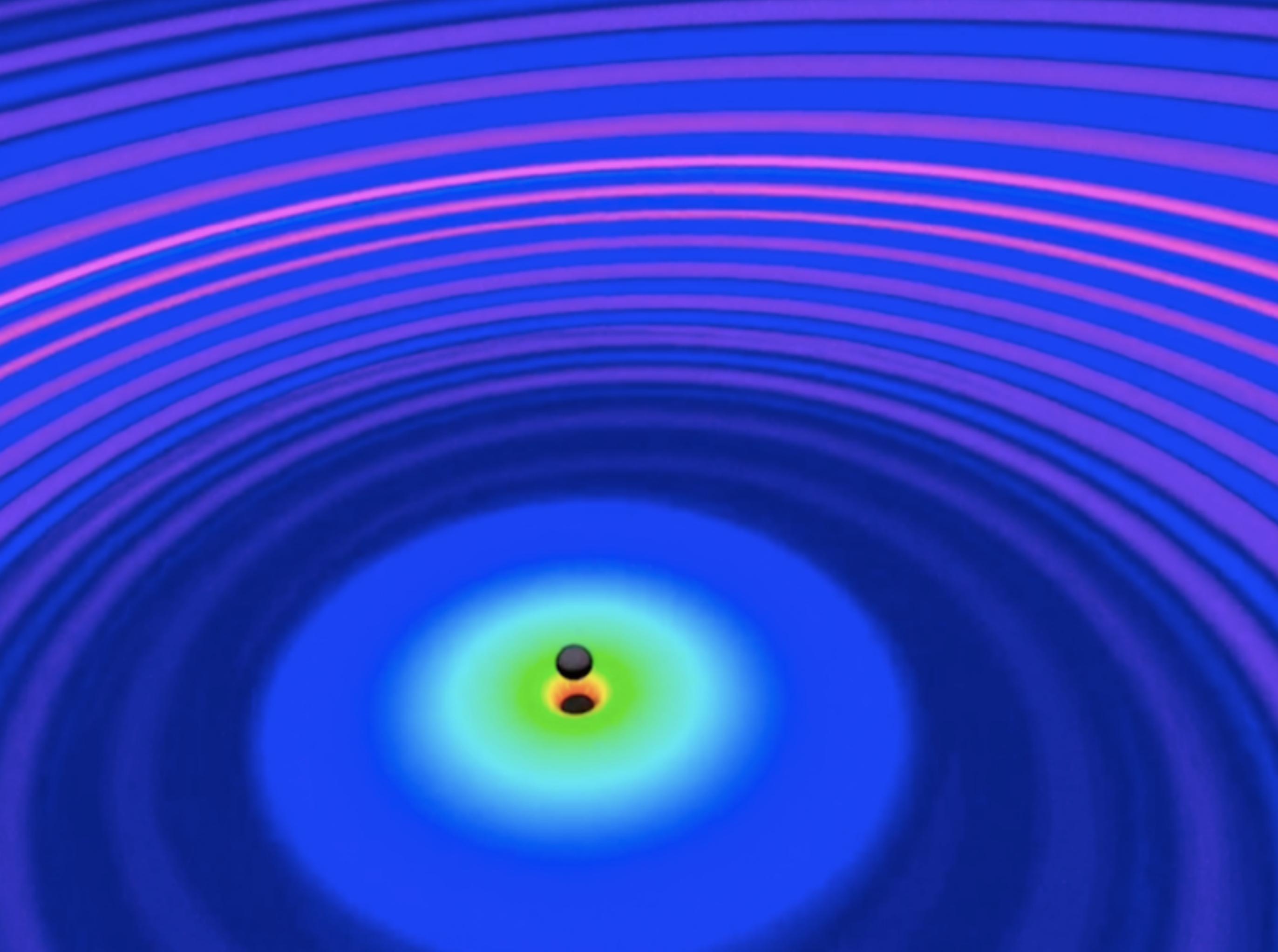


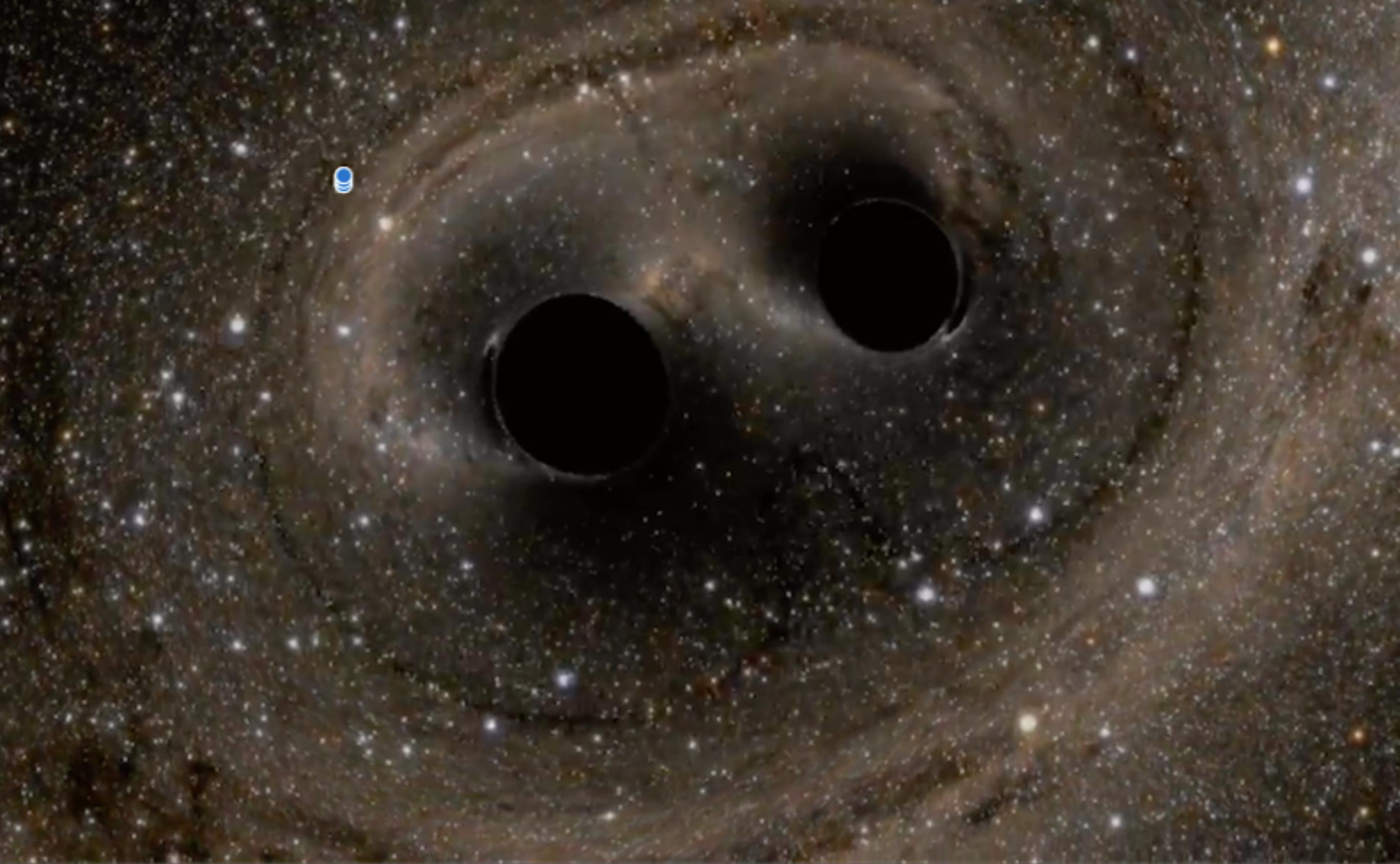
The Black Hole?



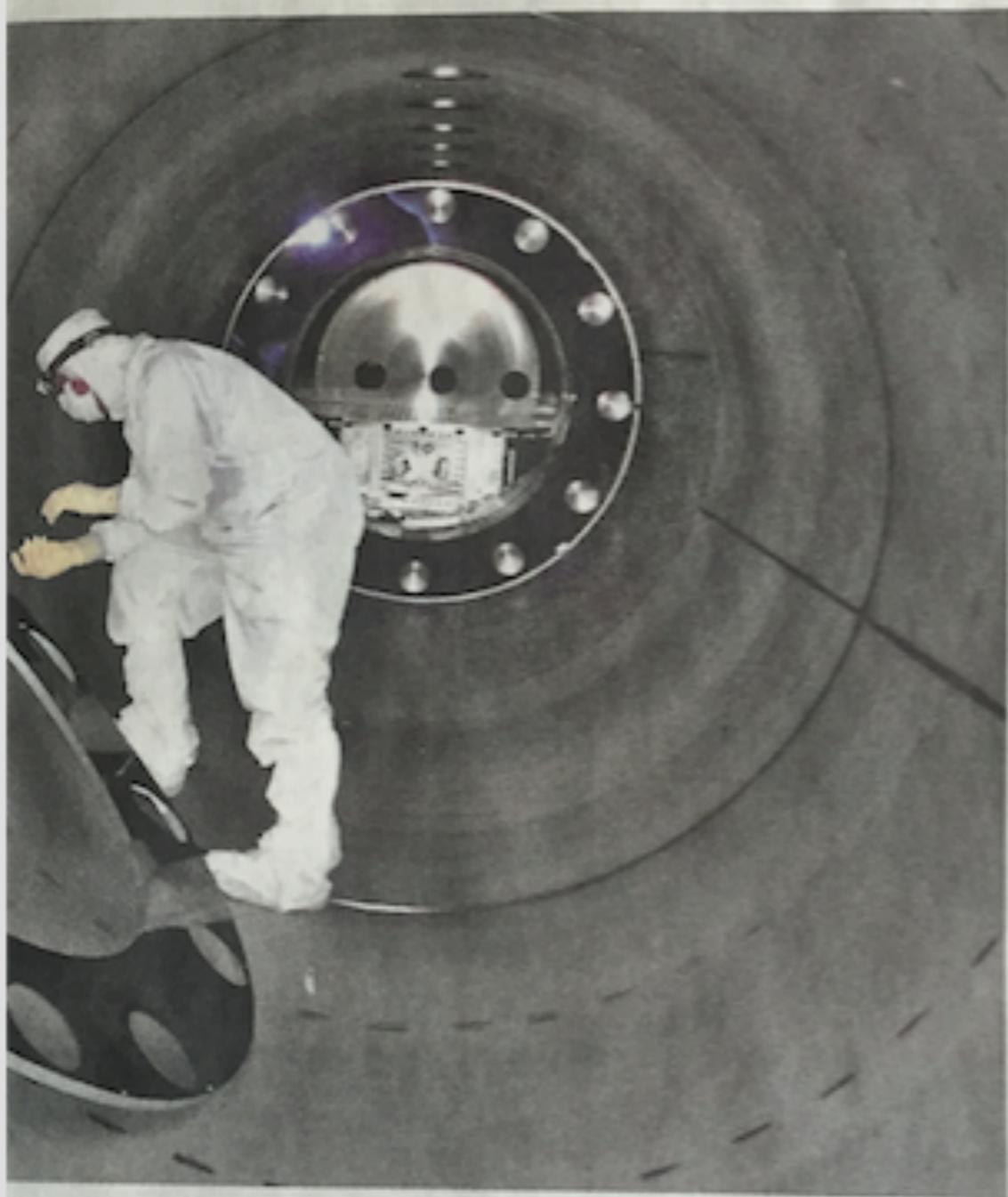
The Day After Tomorrow?







When Black Holes Collide
September 14, 2015 (Earth time)



CALTECH-MIT LIGO LABORATORY

Laser Interferometer Gravitational-Wave Observatory in Hanford, Wash.

WITH FAINT CHIRP, SCIENTISTS PROVE EINSTEIN CORRECT

A RIPPLE IN SPACE-TIME

An Echo of Black Holes Colliding a Billion Light-Years Away

By DENNIS OVERBYE

A team of scientists announced on Thursday that they had heard and recorded the sound of two black holes colliding a billion light-years away, a fleeting chirp that fulfilled the last prediction of Einstein's general theory of relativity.

That faint rising tone, physicists say, is the first direct evidence of gravitational waves, the ripples in the fabric of space-time that Einstein predicted a century ago. It completes his vision of a universe in which space and time are interwoven and dynamic, able to stretch, shrink and jiggle. And it is a ringing confirmation of the nature of

black holes, the bottomless gravitational pits from which not even light



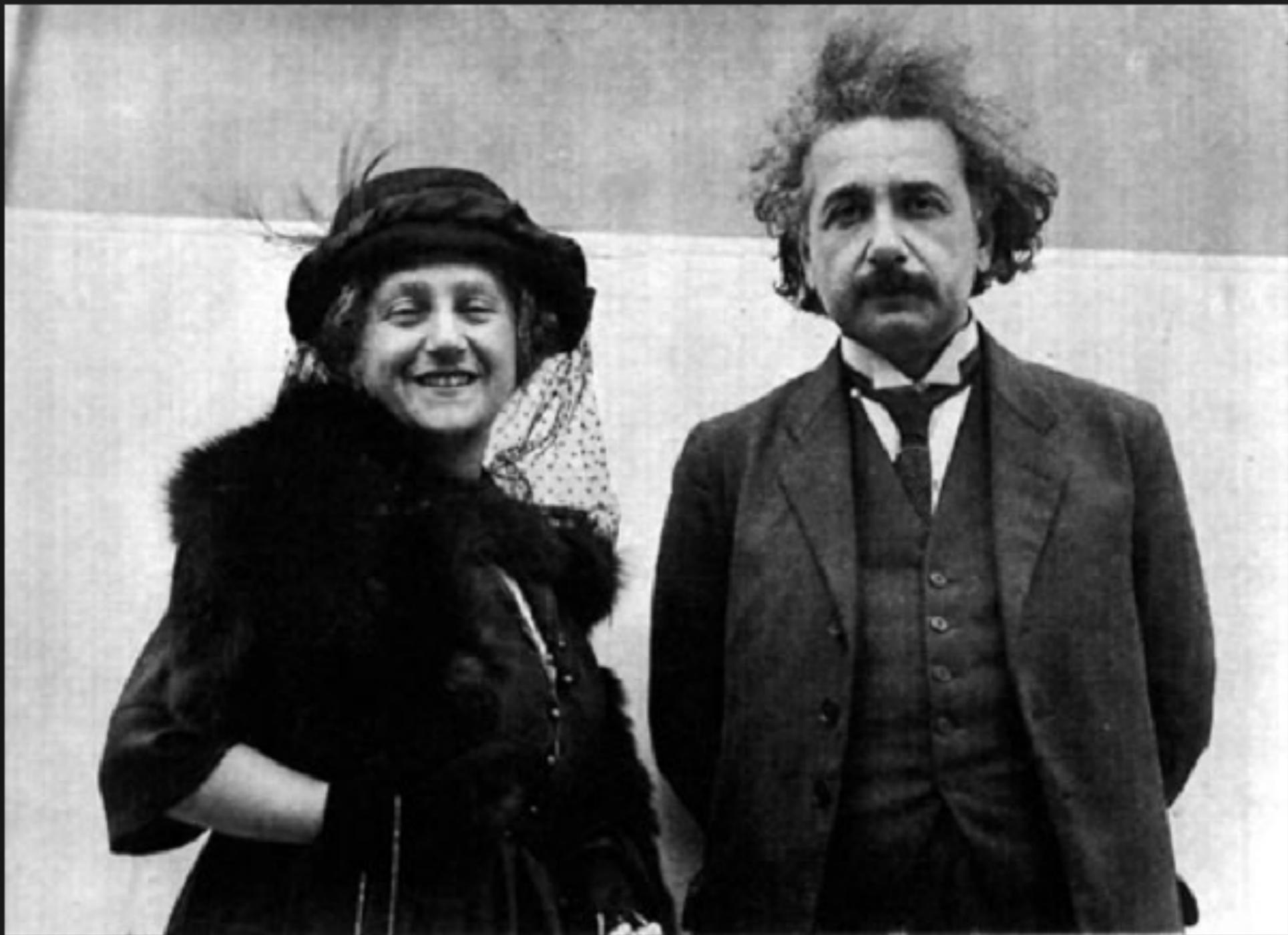
cks Notice Sanders

candidate she barely knew. "It makes me feel good," she said, chuckling. "that young people

Last Occupier In Rural Oregon

“You will notice that there is hardly a better ex-husband to have than **myself**. For I am **faithful**, possibly in a different way than a young girl **dreams of**, but still and all faithful and true.”







THE NICOLAI CASE

A BIOGRAPHY BY WOLF ZUELZER



Georg Nicolai

“Please destroy this letter...”

Vernichten Sie bitte Am 22. Mai 18.
Dieser Brief sofort nach dem Lesen!
Lieber Herr Professor.
Sie sind der einzige Mensch, dem ich
Folgendes anvertrauen kann und der
einzige, der mir ein Rat geben kann
und darum bitte ich Sie, was ich Ihnen
hier schreibe, reiflich zu überlegen und
mir dann Ihre Ansicht mitzuteilen.
Sie erinnern sich, daß wir neulich von
Alberts und Hannas Heirat sprachen und
Sie sagten mir, Sie hielten eine Ehe
zwischen Albert und mir für richtig.
Ich habe bis gestern mir ein Ernst daran
gedacht. Gestern plötzlich wurde die Frage
gestellt, ob A. Hanna oder mich heiraten
wolle. Diese Frage, zuerst halb im Scherz
ausgesprochen, wurde innerhalb weniger
Minuten eine ernste Angelegenheit, die
mir voll und ganz überlegt und
besprochen werden mußte. Albert selbst lehnt

Ilse Einstein

“If there truly is friendship and camaraderie between two beings of different types they would certainly be my feelings for A. I have never sensed the wish of the slightest desire to be close to him physically.”



Dr. Wolf W. Zuelzer
19 Oakdale Boulevard
Pleasant Ridge, Mich. 48069

Dear Doctor:

As you have been informed, I am attorney for the trustees of the estate of the late Albert Einstein and for Miss Margot Einstein. They have consulted me regarding the subject matter of their correspondence with you over the past six months, relating to certain letters to Friedrich Nicolai going back to about 1918.

This now concerns in particular the private letter said to have been written by Margot's sister, apparently with explicit direction noted thereon that it be destroyed upon reading, an injunction then flagrantly

4. In the present instance, and because of the explicit direction for immediate destruction, even the ownership of the letter (that is, the paper itself) by the Nicolai family is seriously to be questioned, since its very existence is the consequence of an immoral and dishonorable act on the part of Friedrich Nicolai, and anyone succeeding to the possession or custody of the paper is participating in the continuation of the violation of the author's injunction attached to the letter when dispatched.

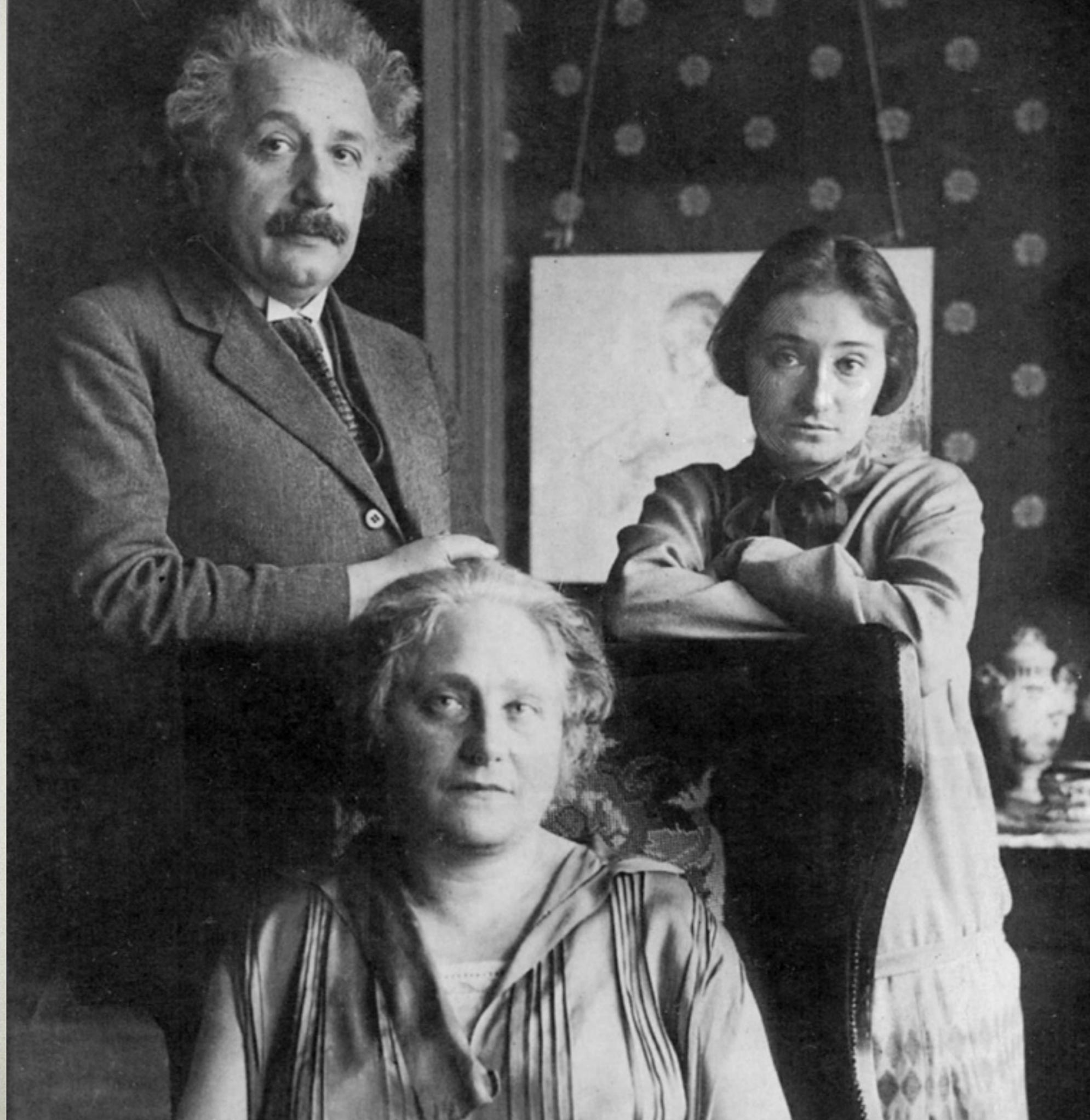
I must accordingly inform you that, should any attempt ever be made, anywhere in the world, either by you or by anyone else, to publish or disseminate the private letter in question, in any form or manner, suitable action will be taken, and you and all parties participating will be held fully responsible accordingly to law.

In addition, it is suggested as the answer to your "dilemma" that the subject letter be handed over to Mrs. Eva Kayser of this city, successor to the rights of the author, or that the same and all copies thereof be destroyed, under proper Page 4 / 4 and appropriate evidence thereof furnished

Albert

Margot

Elsa



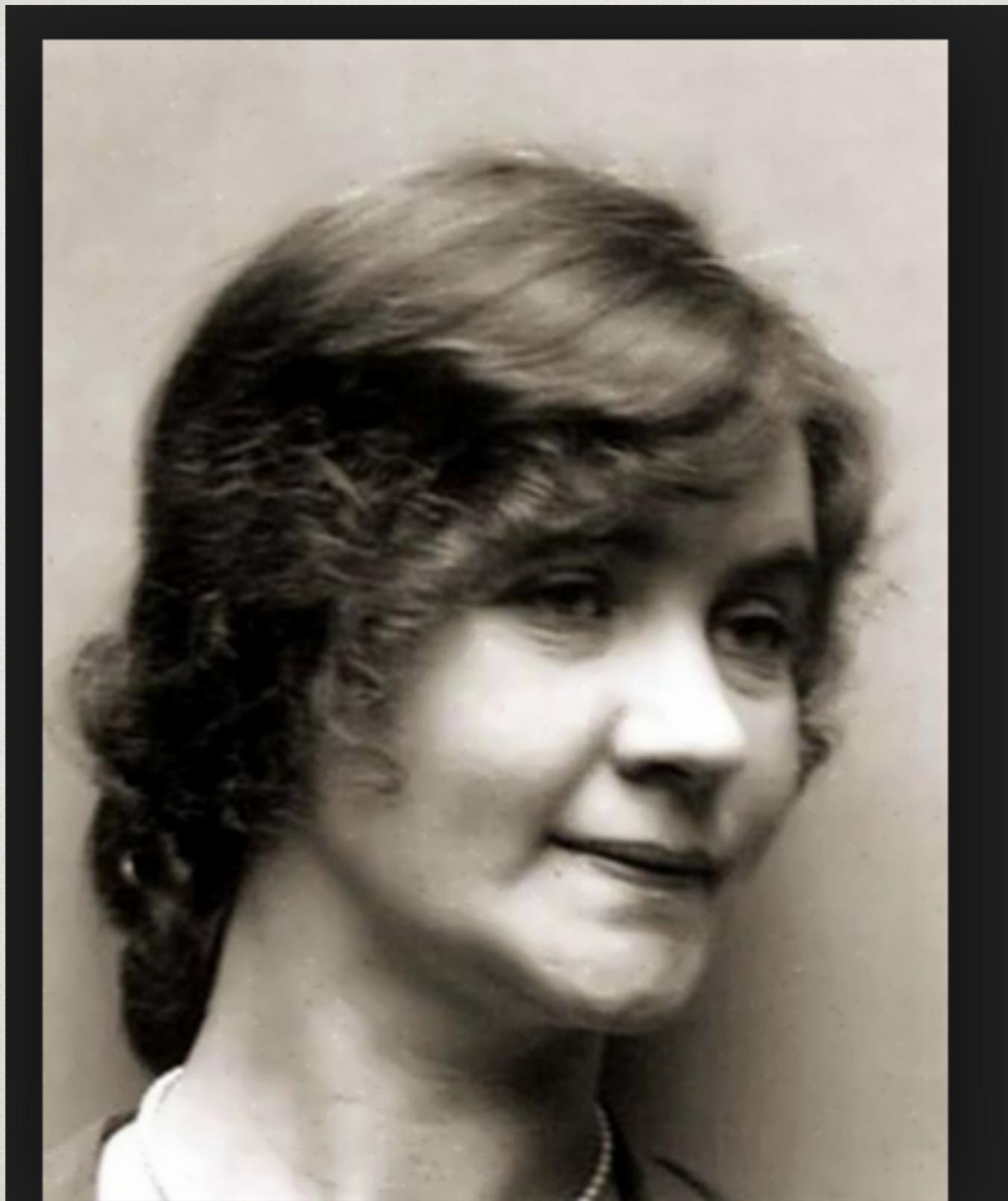
Albert to Betty Neumann, circa 1923

You should not see your future with me, but with a person who is 12 years younger than I, but as long as you haven't found him, be happy with me and remember that such an untroubled relationship is the highest that can happen to a person

So come soon and be happy.

But I'm an old guy and have to come to terms with
reality and have to look in the stars for that which is
forbidden to me on Earth

-- to Betty Neumann, 1924



Margarita Konenkova
1895 -- 1980



steinwrote.com/?p=214

Albert and Margarete Lembach



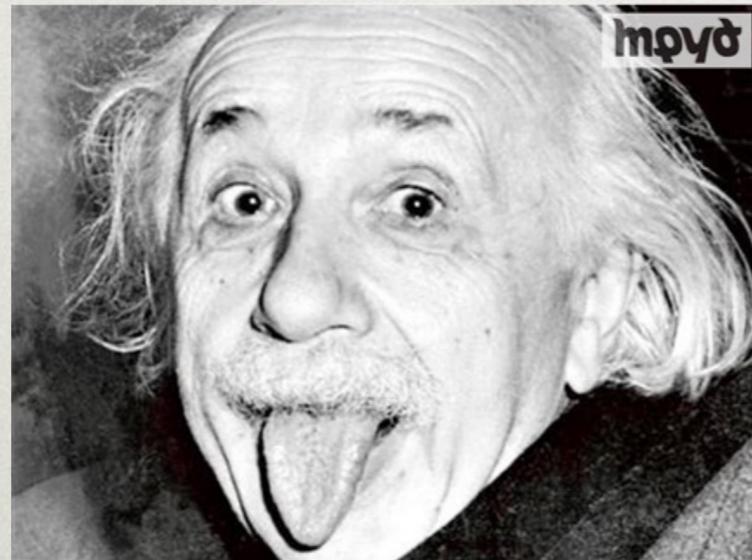
Albert and Johanna Fantova



Marilyn
1926 -- 1962

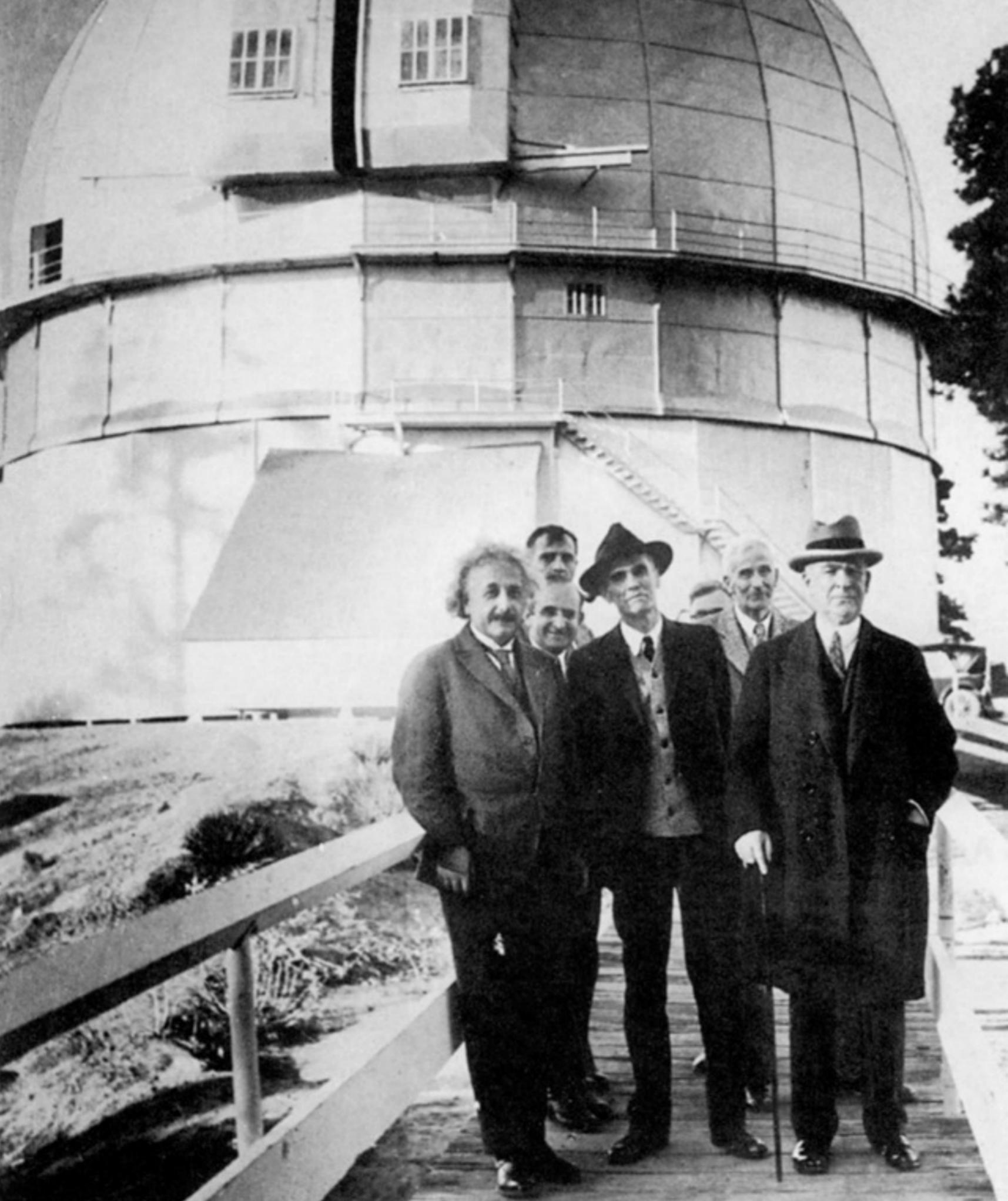


"I believe with Schopenhauer that one of the strongest motives that lead men to art and science is **escape** from everyday life with its painful crudity and **hopeless dreariness**, from the fetters of one's own ever shifting desires."



**And the moral of the story
(which hardly anyone ever concedes) is
The upper half plans and thinks
But the lower half determines our Fate**





Einstein
at Mount Wilson,
home of the
expanding universe
1931



Not a light beam,
Caltech 1931



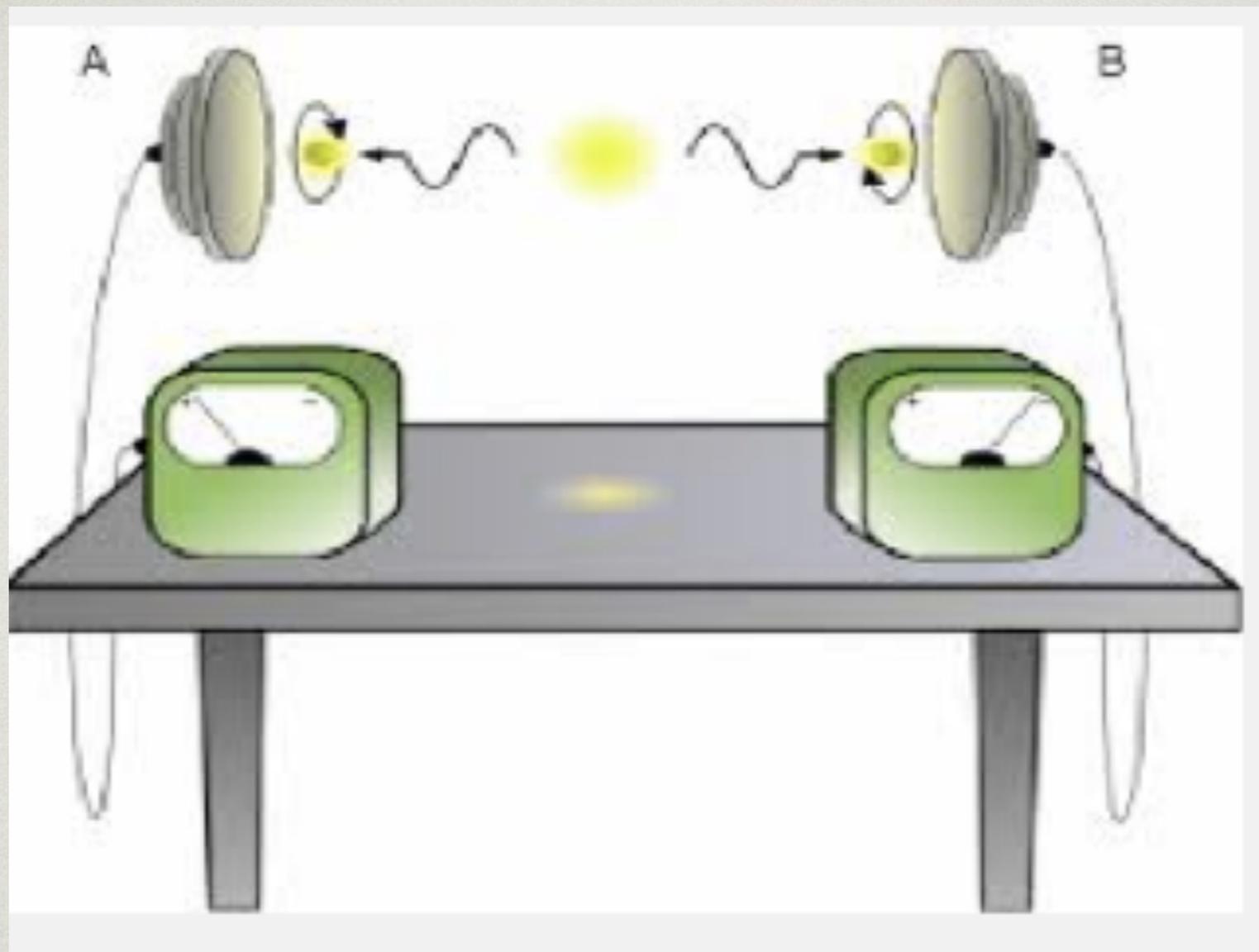


EINSTEIN ATTACKS QUANTUM THEORY

Scientist and Two Colleagues
Find It Is Not 'Complete'
Even Though 'Correct.'

SEE FULLER ONE POSSIBLE

Believe a Whole Description of
'the Physical Reality' Can Be
Provided Eventually.



A. Einstein



B. Podolsky



N. Rosen

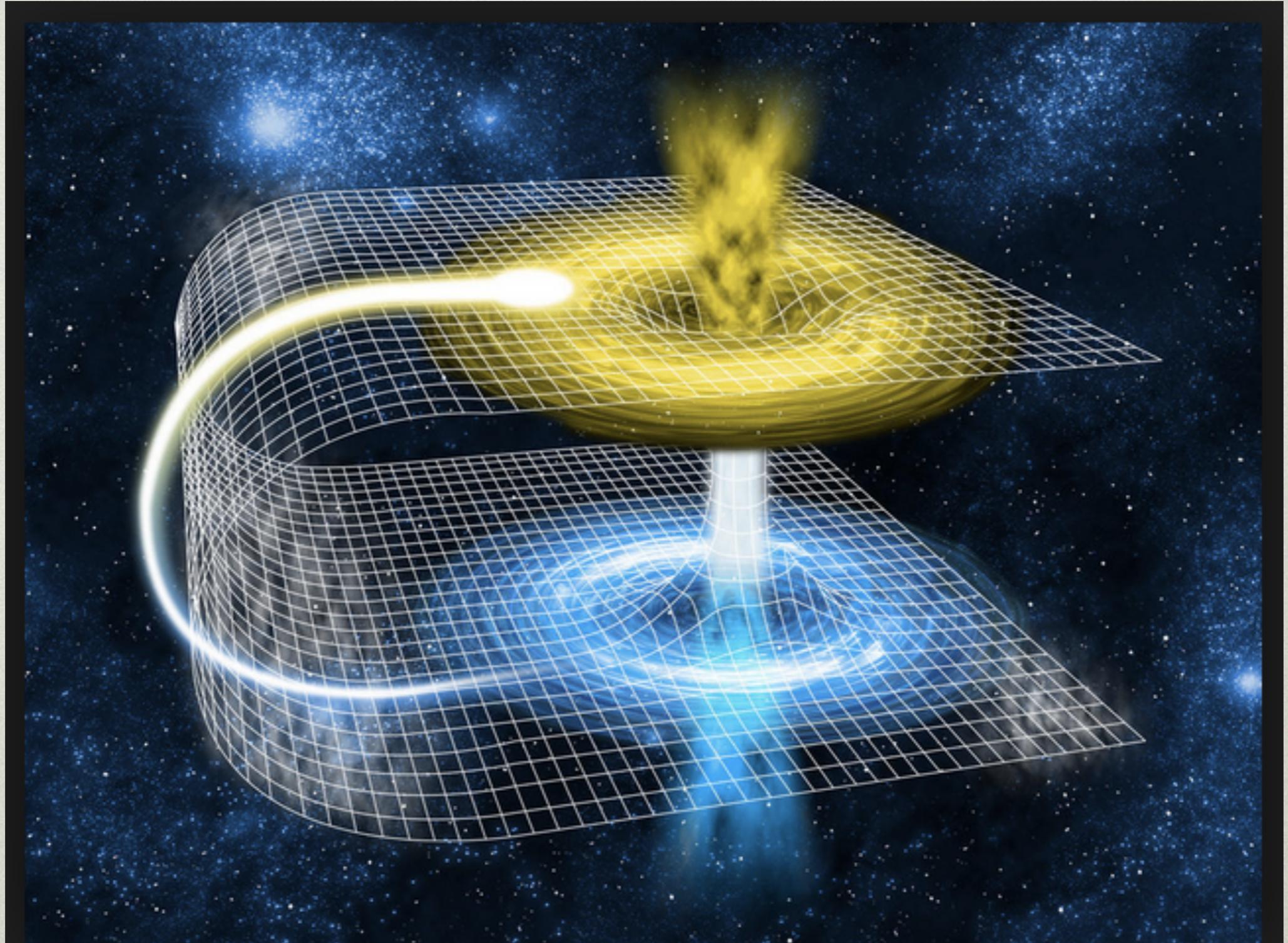
OH ALICE... YOU'RE
THE ONE FOR ME

BUT BOB... IN A
QUANTUM WORLD
HOW CAN WE BE SURE?

$\psi^* \psi$

Physics World





Einstein and Rosen invent the wormhole, 1935



Articles in The Times from Nov. 10, 1919, left; Nov. 16, 1919, center; and Dec. 3, 1919.

SUFFOLK CHARTER IS BEING AMENDED

Several Changes Proposed in Legislation to Modernize the County's Government

FATE OF PLANS IN DOUBT

One Would Make Executive Appointive, Others Would Revise Courts, Police

By LEO ROAN
Special to The New York Times
ALBANY, March 5.—Several major changes were made tonight in legislation proposing a new county executive charter for Suffolk County.
One amendment to the bill would make the proposed County Executive an appointive of the Board of Supervisors. Suffolk now has no County Executive. In Nassau and Westchester, which have county executive charters, the office is elective.
Another change would provide an optional method of replacing the present seven justices of the peace with a county district court system.
A third amendment would keep the office of Commissioner of Public Welfare elective instead of changing it to an appointive one. In Nassau and Westchester this office is appointive, but in Suffolk it is elective.
The proposed charter, with the amendments submitted tonight, is designed to modernize and streamline county government in Suffolk. In recent years the county has been granting so fast that many officials consider the

Day Care Center Children Are Hosts to City Officials



Mayor and Mrs. Wagner are invited to paint with water-colors by members of Playgroup 2 at the new Ullies Settlement Washington Houses Child Care Center, 1835 Second Avenue. Mayor dedicated center in connection with Day Care Week, which he proclaimed on Sunday.



25 KEY ARMY MEN GET APARTMENTS

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SHOW SUMMARY

And if the reader recalls special whistles while he works it may be because he's getting an apartment within his Army allowance for quarters. He's been going into debt paying \$138 rent in Jackson Heights on a \$75 allowance, but on March 15 he's going to move his family into a choice Forest Hills apartment and all it will cost him is his regular quarters allowance.
Eng. Gen. CHARLES E. LUSH, commanding general of the New York Defense, signed a lease yesterday for the first county-owned family unit of the lot allocated to this defense area.
This is part of a new program whereby the Department of Defense requires that the ordinary housing difficulties encountered by service personnel have been eliminated for well-armed soldiers. Because barracks in such units are required to live within twenty minutes travel of their posts, their apartment hunting is circumscribed and the best apartments have been reserved on them.
Government Pays Difference
Under the new program the Government rents suitable apartments and makes them available to key personnel and officers in lieu of quarters allowance. The Government pays the difference.
"This will end housing hardship for some of our key per-

Last Einstein Formulas Printed; They Revise Relativity Theory

Equations Represent Lifelong Search for Embracing magnetism

EMERSON
within the world of science as well as the academic structure of relativity seems to all eyes to contradict the basic concept of a field, behaving as though a singularity in the ring continuous field like infinity of "corin" eyes of the gods.

Einstein Gives Opinion
"It is my opinion," Dr. Einstein wrote, "that singularities must be excluded. It does not seem reasonable to me to introduce into a continuous theory points (or lines, etc.) for which the field equations do not hold."
"It is conceivable that a field theory permits one to understand the atomistic and discrete nature of reality? Almost everybody will answer this question with 'no.' But I believe that at the present time nobody knows anything reliable about it."
"Only a significant progress in the mathematical methods can help here."
His final paragraph, the last he was to write of a remarkable nature, reads as follows:
"One can give good reasons why reality cannot at all be represented by a continuous field. From the quantum phenomena it appears to follow with certainty that a finite system with finite energy can be completely described by a finite set of numbers (quantum numbers.) This does not seem to be in accordance with a continuous theory and must lead to an attempt to find a purely algebraic theory for the description of reality. But nobody knows how to obtain the basis of such a theory."
Dr. Valerius Bargmann, Princeton University physicist, said there were still "unproved

HORN DIN CUT 75% FOR EXPERT EARS

And Tooting by City Drivers is Described as Gentle and Discriminating

'LEFT BANK' IS PLANNED

Fourth Ave. Book Shops May Move to Passage Between Two Subway Stations

New York City's horn blowing piped down about 75 per cent after the city won this effort last week, according to a sharp-tongued specialist who made a before-and-after test on Park Avenue.
The success story was made known by Martin Dupps, West Deputy Commissioner of the Department of Commerce and Public Works, in directors of the Broadway Association at a Chamber-Artor luncheon meeting yesterday. Its aim after the meeting was in a fifteen-minute dash last Wednesday between Forty-ninth and Fifty-ninth Streets, 115 blazes had been recorded in a corresponding period on Friday, the same ten-year period only seventeen tons.
Quiet amplification at the sixteenth case from the Mayor's Committee for a Quiet City. A spokesman said that a quality change had been noted too. Last month's 210 blazes were loud, demanding, loud. The previous post has blazes were observed to be discriminating, quiet, "almost apologetic."
Traffic Sound Tests Began
The committee spokesman also said that this preliminary test has cleared the way for a series of scientific tests all around the town.
These tests, the first in a month-long series, were begun

EINSTEIN PUBLISHES HIS 'MASTER THEORY'

Long-Awaited New Chapter to Relativity Volume Is Product of 30 Years of Labor

REVISED AT LAST MINUTE

Text and Formulas Presented First in Typewritten Form Condensed and Altered

By WILLIAM L. LAURENCE

The long-awaited new chapter in Prof. Albert Einstein's theories will soon see his RELATIVITY theory, in which he presents in mathematical symbols what he hopes will become the long-sought-for unity in the universe, was released yesterday by the Princeton University Press.

The new chapter appears in "Appendix II" to the 20th edition of Dr. Einstein's book, "The Meaning of Relativity," first published in 1922. Appendix I first appeared in the second edition of the book, published in 1944, and dealt with the "cosmological problem." Appendix II deals with a "unified theory of gravitation," in which he attempts to find a link between the two major scientific theories, electromagnetism and gravitation. This link, he hopes, will also bring the secrets of the vast nuclear forces of the atom within a unified, all-embracing concept.

New Chapter Covers 11 Pages

Appendix II consists of only fourteen printed pages, presenting a total of twenty-eight mathematical formulas, each representing a step leading to a new concept of the unity of the cosmos. These fourteen pages are the result of more than fifty years of concentrated intellectual labor by the man to whom George Bernard Shaw once referred as one of the eight "universe builders" in recorded history.

A comparison of the printed pages with the typewritten manuscript exhibited by the Princeton University Press at the meeting of the American Association for the Advancement of Science last Dec. 26 shows a number of changes both in text and formulae, inspired as Princeton cleared up the puzzle.

It was learned that early in January, as the book was already in the printer's hands, Dr. Einstein called by the Princeton professors and informed them that he had revised it a number of short-notice to his formulae. The changes were at once referred to "bold" everything with the new corrected version, was being worked out. Since Dr. Einstein prepared all his manuscripts in German, the translation also caused some delay. It was about two weeks in all before

By Winston Churchill: The Second World War

Volume III—The Grand Alliance

INSTALLMENT 18—AID TO RUSSIA

Book II—War Comes to America



THE RAID CAME: Germans found the going rough in the mud of the Caucasus



HARVESTED THE GERMANS: Russian partisans played havoc with enemy communications

Russian Valor and the Approaching Winter—Lord Beaverbrook Champions Aid to Russia—Our Sacrifices of Vital Munitions—The Beaverbrook-Harriman Mission—Interview with Ambassador Malley—An Air of Muzak—My Answer to Stalin—I Commiserate My Anxieties to Roosevelt—Further Message from Stalin—A Fantastic Suggestion—My Response—Lord Beaverbrook Sails for Archangel in the London—The Beaverbrook Mission in Moscow—A Grim Reception—The Crisis of the Struggle in Russia.



THEIR RECEPTION WAS BLEAK: Lord Beaverbrook and Ambassador Harriman as they arrived in Moscow. Welcoming them were K. A. Demsky and Anisai Y. Vidinsky.

...most consider danger in the West a bluff, and are transferring all their forces to the East with impunity, being convinced that no second front exists in the West, and that none will exist. Germans consider it quite possible to smash their enemies singly! First Russia, then the Eng-...

...was raised in this conversation and in Stalin's message, and that evening sent a reply. From Moscow to Moscow 4 Sept. 41. I reply at once in the spirit of your message. Although we should shrink from no exertion, there is in fact no possibility of any British action in the West, except air action, which would draw the German forces from the East...

to such absurdities. It seemed hopeless to argue with a man thinking in terms of utter expediency. On October 25 I replied to the Ambassador about the fantastic proposals of twenty-five to thirty British divisions being landed at Archangel or Murm.

Prime Minister to Mr. Stafford Cripps (Moscow) 22 Oct. 41. You were of course right to say that the idea of sending twenty-five to thirty divisions to fight on the Russian front" is a physical absurdity. It took eight months to build up ten divisions in France, across the Channel, when shipping was plentiful and U-boats few. It is with the greatest difficulty that we have managed to send the 15th Division to the Middle East in the last six months. We are now sending the 18th Division by extraordinary means. All our shipping is fully engaged, and any saving can only be made at the expense of our vital supplies to the Middle East or of ships engaged in carrying Russian supplies. The message by which we live and make millions of war has only narrowly been maintained. Any troops sent to Murmansk now would be frozen in darkness for the winter.

Meanwhile the Beaverbrook-Harriman talks in London were completed, and on September 22 the Anglo-American Supply Mission set off in the cruiser London from Scapa Flow through the Arctic Sea to Archangel, and thence by air to Moscow.

On September 28 our Mission arrived in Moscow. Their reception was bleak and discussions not at all friendly. It might almost have been thought that the plight in which the Soviets now found themselves was our fault. The Soviet generals and officials gave no information of any kind to their British and American colleagues. They did not even inform them of the scale on which Russian needs of our precious war materials had been estimated. The Mission was given no formal entertainment, both about

COUNCIL LEADERS IN BITTER DISPUTE

Impeller and Sharkey Clash Over Plan to Let the Former Name Substitute on Board

RESOLUTION ADOPTED, 22-2

President Cites Heavy Burden of Budget Hearing, but His Opponent Calls Job Easy

A bitter clash took place between Vincent D. Impelleri, President of the City Council, and Joseph T. Sharkey, vice chairman, at yesterday's Council meeting. Mr. Sharkey fought a resolution asking the State Legislature to give Mr. Impelleri the right to designate a member of his staff to sit for him on the Board of Estimates.

Mr. Sharkey contended that the vice chairman was the only one entitled to sit in for the Council President on the Board of Estimates and said that the Council would be "stuttering" if it accepted the resolution.

AFTER a heated discussion in which the two Democrats accused each other of making inaccurate statements, the Council adopted the resolution, 19 to 5, with Sharkey M. Weaver, Republican-Liberal from Manhattan, joining Mr. Sharkey, James J. Hagan, Manhattan Democrat, was absent.

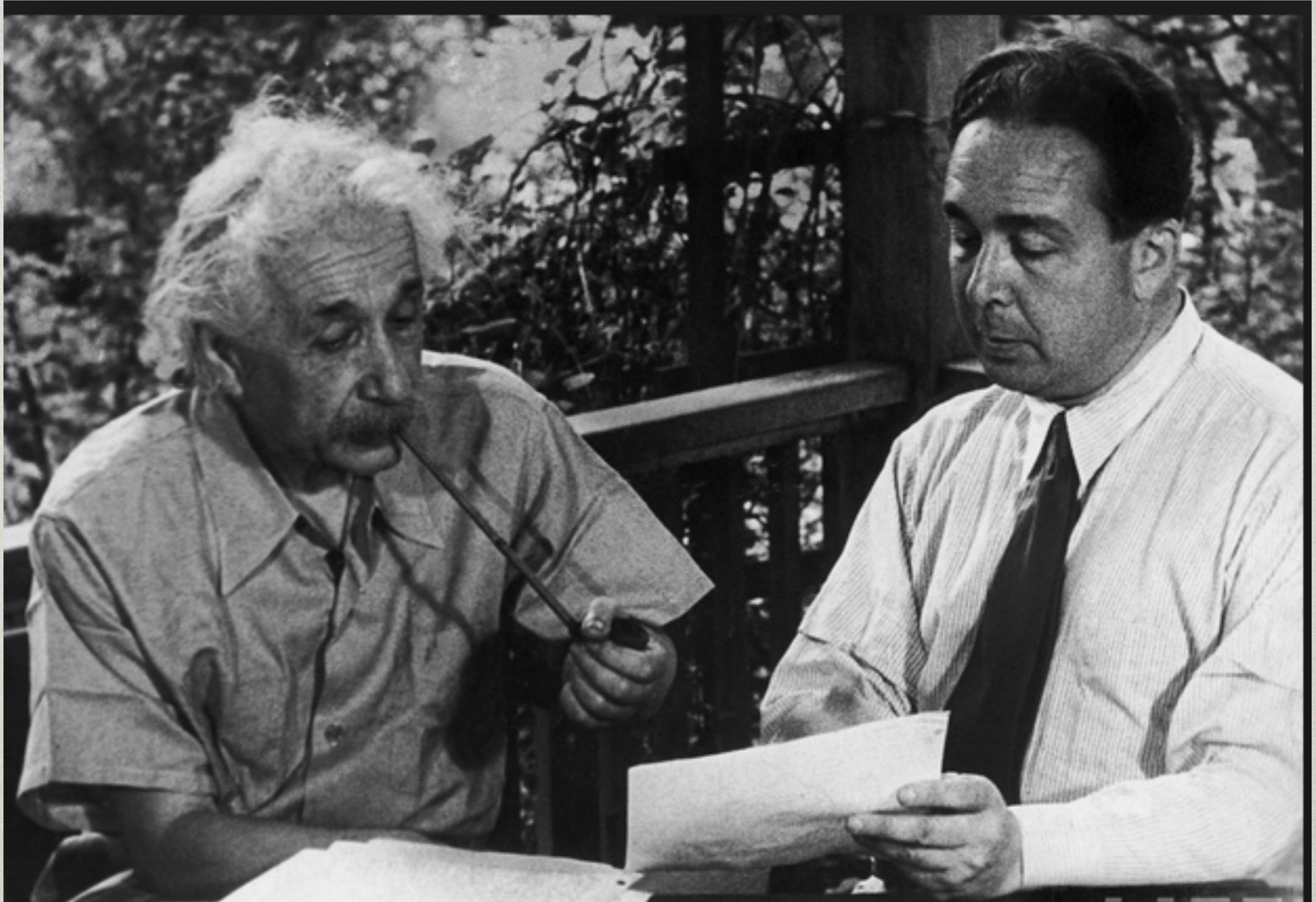
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"I am not looking for sympathy. I can take care of myself and nobody in this town is big enough to push me aside. They might do it in this matter, but I will have plenty to say later on this matter."

Says Sharkey Wants Job

When he declared that he did not see why Mr. Impelleri needed any substitute since he had "a pretty sweet job" that didn't call for "too much effort," Mr. Impelleri replied that it was a job Mr. Sharkey had "desired for many years."

Under the City Charter the vice chairman of the City Council becomes Council President if the present holder that post resigns or dies. He retains the office until the next general election unless the vacancy occurs within sixty days prior to the election, in which case he holds office until the following election. Both Mr. Sharkey and Mr. Impelleri agreed that the right of appointment was not affected by the Sharkey bill.



Einstein and
Szilard





www.royal.govt.nz/2015/04/10/Albert-Einstein-and-1948-1950

The Jewish People

As far as my experience goes they are also no better than other human groups, although they are protected from the worst cancers by a lack of power.

Otherwise I cannot see anything “chosen” about them.



Hiroshima, Japan, 1945

"All the News
That's Fit to Print"

The New York Times.

LATE CITY EDITION

Partly cloudy, less humid today.
Cloudy and warm tomorrow.
Temperature Today—Max., 72; Min., 64
Forecast Tomorrow—Max., 72; Min., 64

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Printed at New York Times Building, New York, N. Y.

NEW YORK, TUESDAY, AUGUST 7, 1945.

THREE CENTS

FIRST ATOMIC BOMB DROPPED ON JAPAN; MISSILE IS EQUAL TO 20,000 TONS OF TNT; TRUMAN WARNS FOE OF A 'RAIN OF RUIN'

HIRAM W. JOHNSON, REPUBLICAN DEAN IN THE SENATE, DIES

Isolationist Helped Prevent
U. S. Entry Into League—
Opposed World Charter

CALIFORNIA EX-GOVERNOR

Ran for Vice President With
Theodore Roosevelt in '12
—In Washington Since '17

WASHINGTON, Aug. 6—Senator Hiram Warren Johnson, of California, lifelong isolationist who helped prevent this country's entry into the League of Nations and fought all "foreign entanglements" through a second World War, died in his sleep this morning at Bethesda Naval Hospital, nine days after, ill but confident, he had joined his vote against ratification of the United Nations Charter. Death was caused by a thrombosis of a cerebral artery. Mrs. Johnson was with him when he died.

When word reached the Capitol of the passing of the oldest member of the Senate in point of service, were Senator Kenneth McKellar, the President pro tempore, the

Jet Plane Explosion Kills Major Bong, Top U. S. Ace

Flier Who Downed 40 Japanese Craft, Sent
Home to Be 'Safe,' Was Flying New
'Shooting Star' as a Test Pilot

By the United Press.
BIRMINGHAM, Calif., Aug. 6—Major Richard Bong, America's greatest jet ace, died today in the flaming wreckage of a jet propelled fighter plane which crashed while he was testing it.

Only 24 years old, he wore twenty-six decorations including the nation's highest award, the Congressional Medal of Honor. He had survived countless air battles and shot down forty Japanese planes without a scratch.

The knowledge he gained in those battles was too valuable to risk, so he was brought home to "rest" duty. He was on that "safe" duty today when his P-80, the Shooting Star, hurtled over a clump of trees and burst like a bomb in a field.

Witnesses did not agree on the cause of the crash. One Army officer said that Major Bong overrode the Lockheed airport. Another witness, John McKinney of North Hollywood reported that he saw something fall out of the plane's tail.

MORRIS IS ACCUSED

OF TAKING A HALL

CHINESE WIN MORE

OF CHINA'S COMBAT

KYUSHU CITY RAZED

Kenney's Planes Blast
Tatumizu in Record
Blow From Okinawa

ROCKET SITE IS SEEN

125 B-29's Hit Japan's
Toyokawa Naval Arsenal
in Demolition Strike

By FRANK L. KLECKHOFF
By Wire to The New York Times.

MANILA, Tuesday, Aug. 7—More than 400 fighters and bombers, speeding at chimney-top level for two hours Sunday over Toyokawa in southern Kyushu in the largest single attack launched by Gen. George C. Kenney's Far East Air Forces to date, leveled that city's munitions factories and aircraft and munitions storage depots and waterworks installations.

Rockets and demolition bombs were poured by waves of B-24 Liberators, B-25 Mitchells and Mustangs and Thunderbolts of the Fifth and Seventh Air Forces from Okinawa, supported by a few B-29 Liberators carrying big bombs. (Thrumming, about 200 miles from Okinawa, appeared to be a

REPORT BY BRITAIN

'By God's Mercy' We
Beat Nazis to Bomb,
Churchill Says

ROOSEVELT AID CITED

Raiders Wrecked Norse
Laboratory in Race for
Key to Victory

The test of Mr. Churchill's
statement is on Page 8.

By CLETON DANIEL
By Wire to The New York Times.

LONDON, Aug. 6—The disclosure of secret details of the grimy race between Germany and the Allies to find a weapon as destructive that it would insure absolute victory—a race not only between scientists but also between undercover agents—were recounted in London tonight after it had been disclosed that the first atomic bomb had been dropped on Japan.

"By God's mercy British and American science outpaced all German efforts," said a statement

Steel Tower 'Vaporized' In Trial of Mighty Bomb

Scientists Awe-Struck as Blinding Flash
Lighted New Mexico Desert and Great
Cloud Bore 40,000 Feet Into Sky

By LEWIS WOOD
Special to The New York Times.

WASHINGTON, Aug. 6—A blinding flash many times as brilliant as the midday sun and a massive, multi-colored cloud billowing up 40,000 feet into the air accompanied the first test firing of an atomic bomb on July 16, three weeks ago today. Set in the remote deserts of New Mexico, the experiment was seen against a wild background where rain poured in torrents, and lightning pierced the sky up to the very hour of the explosion at 5:30 A. M.

A steel tower from which the atomic weapon hung was vaporized. In its place was only a huge, sloping crater. At the moment of the explosion a mountain range three miles distant stood out sharply in brilliant light.

"Then," said the War Department in a description, "came a tremendous, sustained roar and a heavy pressure wave which knocked down two men outside the control tower (10,000 yards, or more than five miles, away.)"

ATOM BOMBS MADE

TRAINS CANCELED

NEW AGE USHERED

Day of Atomic Energy
Hailed by President,
Revealing Weapon

HIROSHIMA IS TARGET

'Impenetrable' Cloud of
Dust Hides City After
Single Bomb Strikes

Truman, Eisenhower statements
on atomic bomb, Page 8.

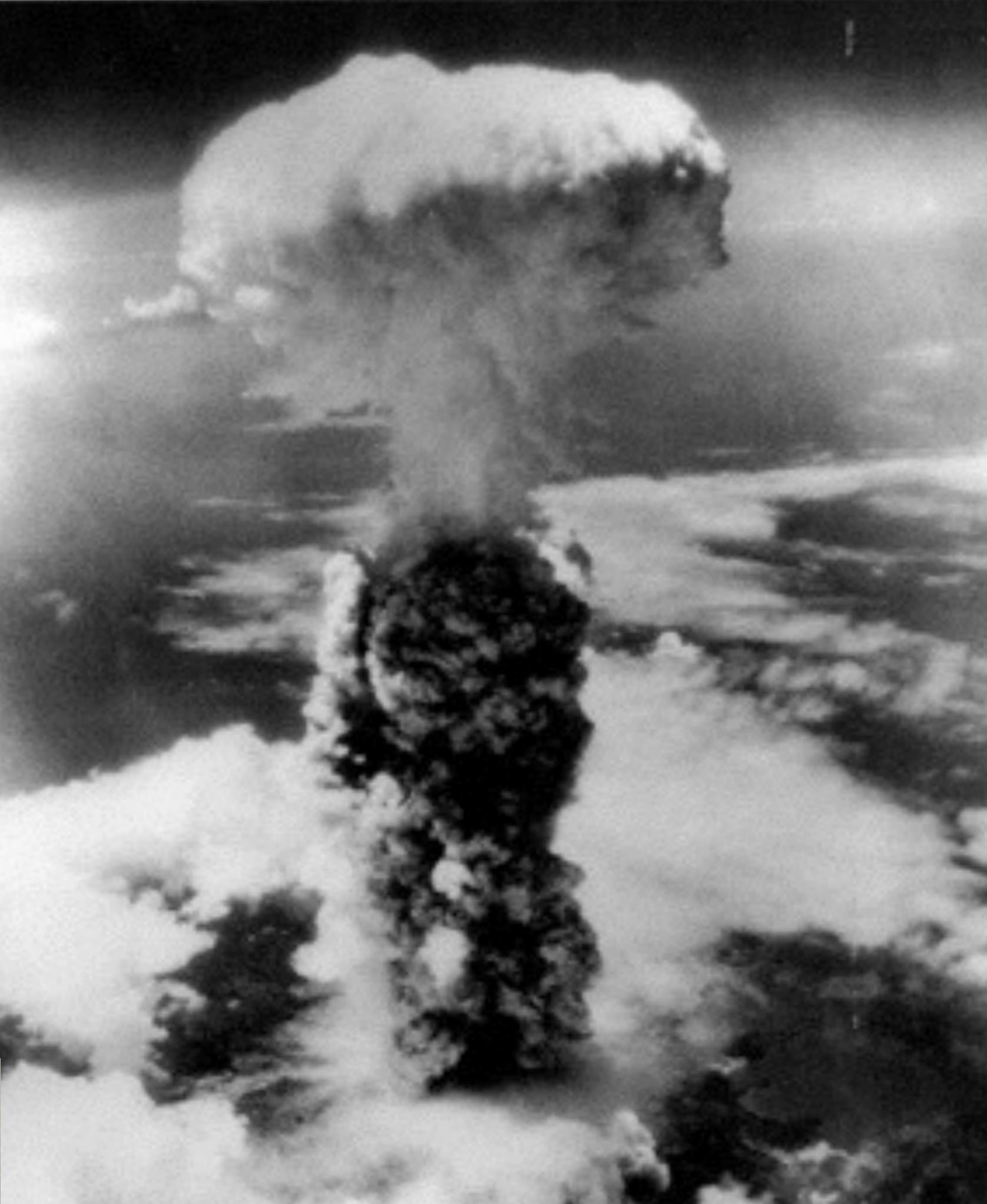
By SIDNEY HILBERT
Special to The New York Times.

WASHINGTON, Aug. 6—The White House and War Department announced today that an atomic bomb, possessing more power than 20,000 tons of TNT, a destructive force equal to the load of 2,000 B-29's and more than 2,000 times the blast power of what previously was the world's most devastating bomb, had been dropped on Japan.

The announcement, first given to the world in utmost solemnity by President Truman, made it plain that one of the scientific landmarks of the century had been passed, and that the "age of atomic energy" which can be a



Oy Vey



Nagasaki, Japan
August 9, 1945

EINSTEIN PUBLISHES HIS 'MASTER THEORY'

Long-awaited New Chapter to Relativity Volume is Product of 30 Years of Labor

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Text and Formulae Presented First in Typeset Form. Condensed and Altered

By WILLIAM L. LAURENCE

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I think there is only one means of escape from this situation—in addition to the constant war

now raised in this conversation and in Stalin's message, and that giving just a copy.

From Moscow to Moscow, Sept. 41. I reply at once in the spirit of your message. Although we should stick to our position, there is in fact no possibility of any British action in the West, except air action, which would draw the German forces from the East before the winter sets in. There is no chance

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Prime Minister to Mr. Sir Noel Colville (Moscow), Oct. 21

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Mr. Sharkey said at one point that he wasn't going to be vice chairman forever but that he thought the rights of the vice chairman should be protected. Then he added:

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Under the charter also, the vice

Day Care Center Children Are Hosts to City Officials



Mayor and Mrs. Wagner are invited to paint with water-colors by members of Flagnoon 2 at the new Union Settlement Washington Houses Child Care Center, 1893 Second Avenue. Mayor dedicated center in connection with Day Care Week, which he proclaimed on Sunday.



25 KEY ARMY MEN GET APARTMENTS

Anti-Aircraft Experts Who Must Be Near Posts Are Housed in Queens

By CHARLES GRUTZNER

If there's a cheerer note today in the fire command at an anti-aircraft battery drill somewhere in Queens, it's probably because the patron corporal's wife is going to join him after living apart for two years.

And if the radar repair specialist whistles while he works it may be because he's getting an apartment within his Army allowance in Queens. He's been going into debt paying \$158 rent in Jackson Heights on a \$70 allowance, but on March 15 he's going to move his family into a choice Forest Hills apartment and all it will cost him is his regular quarters allowance.

Eng. Gen. Charles H. Ives, commanding general of the New York Defense, signed a lease yesterday for the first inventory of 25 key units of the lot situated in this defense area.

This is part of a new program whereby the Department of Defense recognizes that the ordinary housing difficulties encountered by service personnel have been intensified for anti-aircraft soldiers. Because key men in such units are required to live within twenty minutes travel of their posts, their apartment hunting is circumscribed and the best squads has been given to them.

Government Pays Difference

Under the new program the Government rents suitable apartments and makes them available to key men and officers in lieu of quarters allowance. The Government pays the difference.

"This will end housing hardship for some of our key personnel," said General Ives. "Some of them have been paying double their allowance for rent. Others couldn't do this."

The lease is for twenty-five units in Park City, at 56th Street and Queens Boulevard, Forest Hills.

Last Einstein Formulas Printed; They Revise Relativity Theory

Equations Represent Lifelong Search for a Unified Field Theory Embracing Gravitation and Electromagnetism

By WILLIAM L. LAURENCE

A revised and simplified set of formulas for his enlarged theory of relativity was completed by Dr. Albert Einstein in December, 1955, a few months before his death, April 18, 1955.

The new version of the Einstein Theory, entitled "The Relativistic Theory of the Non-Symmetric Field," is published today by the Princeton University Press in an appendix to the 50th edition of Dr. Einstein's book, "The Meaning of Relativity," first published in 1922.

In a note to the 50th edition, Dr. Einstein wrote:

"For the present edition I have completely revised the 'Generalization of Gravitation Theory' under the title 'Relativistic Theory of the Non-Symmetric Field.' For I have succeeded—in part in collaboration with my assistant, B. Kaufman—in simplifying the derivations as well as the form of the 1946 equations. The whole theory becomes thereby more transparent, without changing its content."

A Lifelong Quest

The new Einstein equations take up thirty-three and a half printed pages. They represent the work of one of the world's greatest intellects for more than thirty-five years, or more than half of his lifetime. The equations represent his lifelong quest for a Unified Field Theory, which would encompass both the phenomena of gravitation, as expressed in the laws of the gravitational field, and of electromagnetism, as expressed in the equations of the electromagnetic field.

"In my opinion," Dr. Einstein wrote in his new chapter, "the theory presented here is the logically simplest relativistic field theory which is at all possible."

"But this does not mean that nature might not obey a more complex field theory."

Dr. Einstein expressed the hope, though he was by no means certain himself, that eventually a Unified Field Theory could be developed that would

HORN DIN CUT FOR EXPERT

And Tooting by City is Described as G and Discriminat

'LEFT BANK' IS PU

Fourth Ave. Book Sh Move to Passage B Two Subway Sta

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Quiet amplification statement came from the Committee for a Quiet spokesman said that change had been noted

Scott's 270 cards were standing, rack. The position table were able to discriminate, which topologic.

Toxic Sound Test

The committee spokesman said that the police had chosen the way to or scientific tests all a town.

Three tests, the 4-month-long series, was yesterday by a New York study research team of William F. Lorenz, Alon Park Avenue and 189—no recording apparatus would able to 11 "threshold of pain."

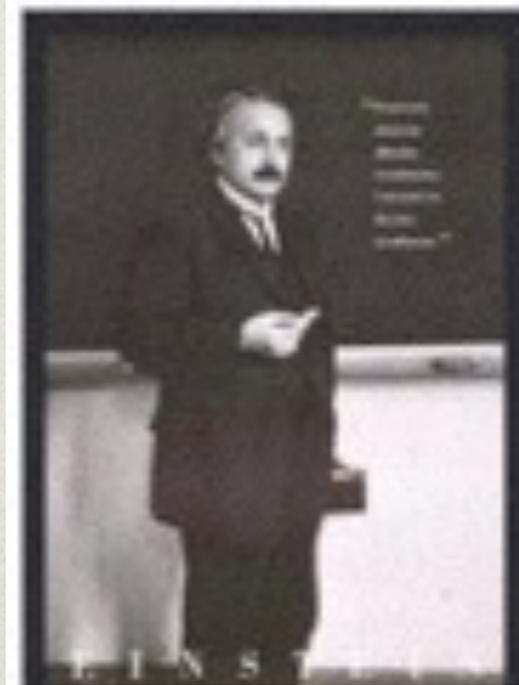
Shortly before sun

One must show respect before God, even if there isn't
one.

Watching a big crawl over his paper Einstein realizes that
the bug has a brain too -- it knows exactly what it wants
to do.

You have to respect that.

-- from Johanna Fantova's diary, 1954



Einstein



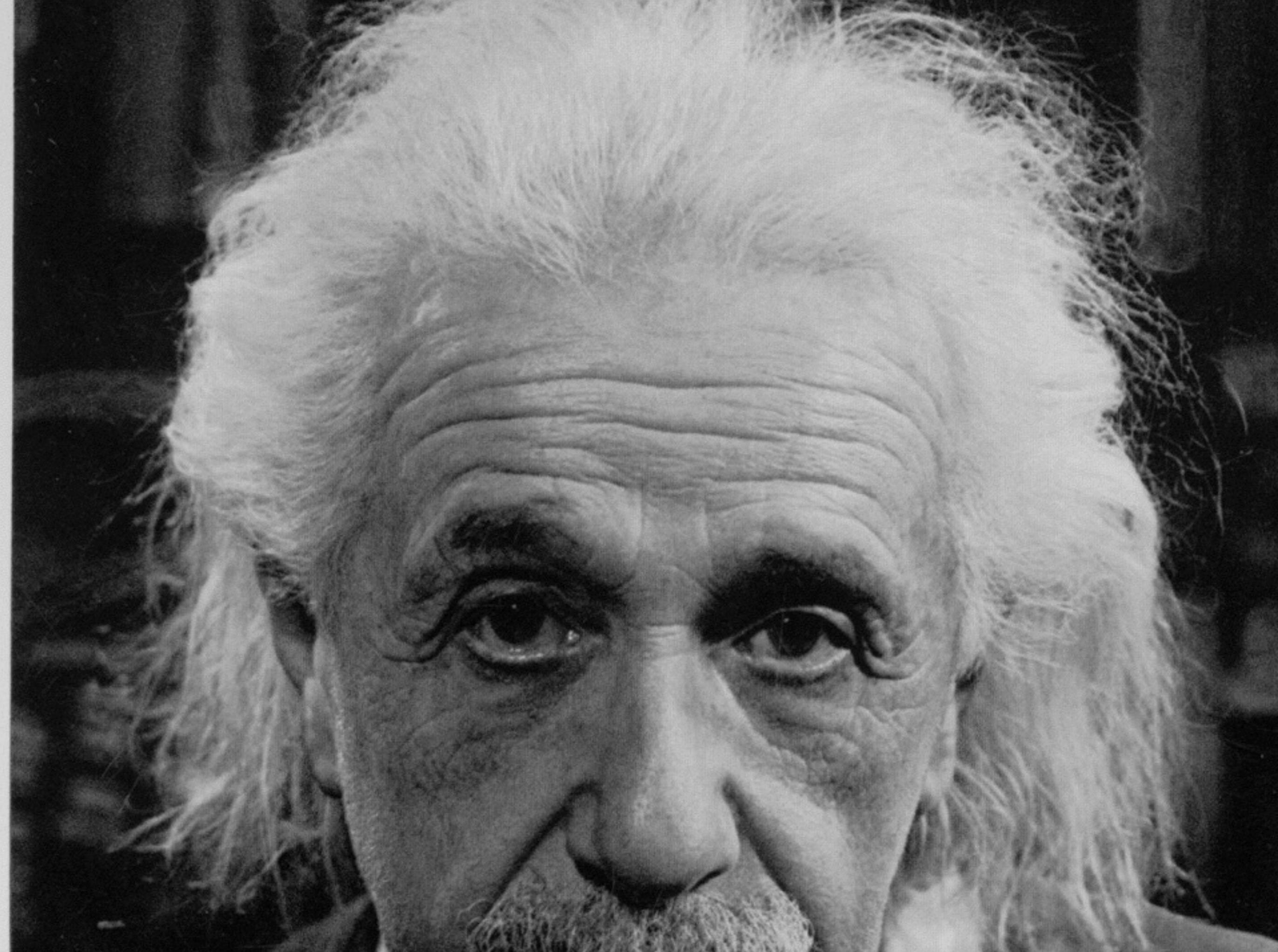
Chaplin

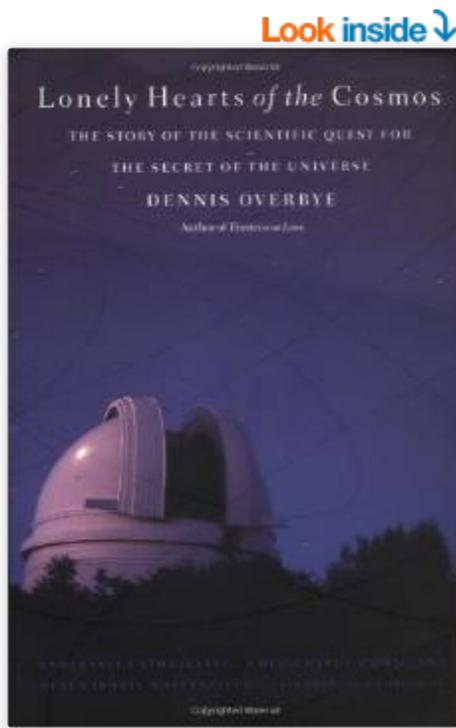


The Hollywood Conspiracy
City Lights 1931

They cheer me because they all understand me, and they cheer you because no one understands you.

-- Charlie Chaplin at the premiere of City Lights, 1931





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Lonely Hearts of the Cosmos: The Story of the Scientific Quest for the Secret of the Universe

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by [Dennis Overbye](#) (Author)

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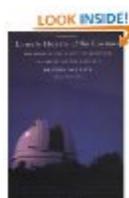


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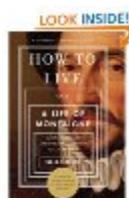
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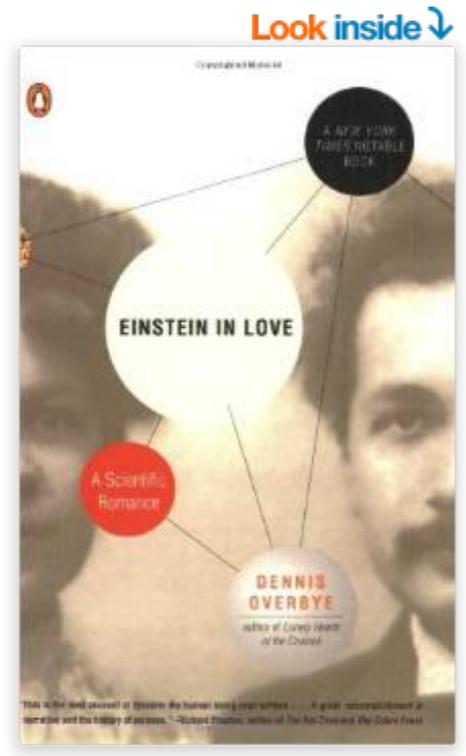
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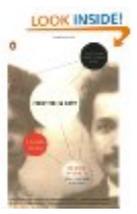
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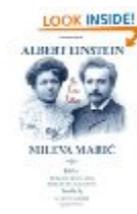
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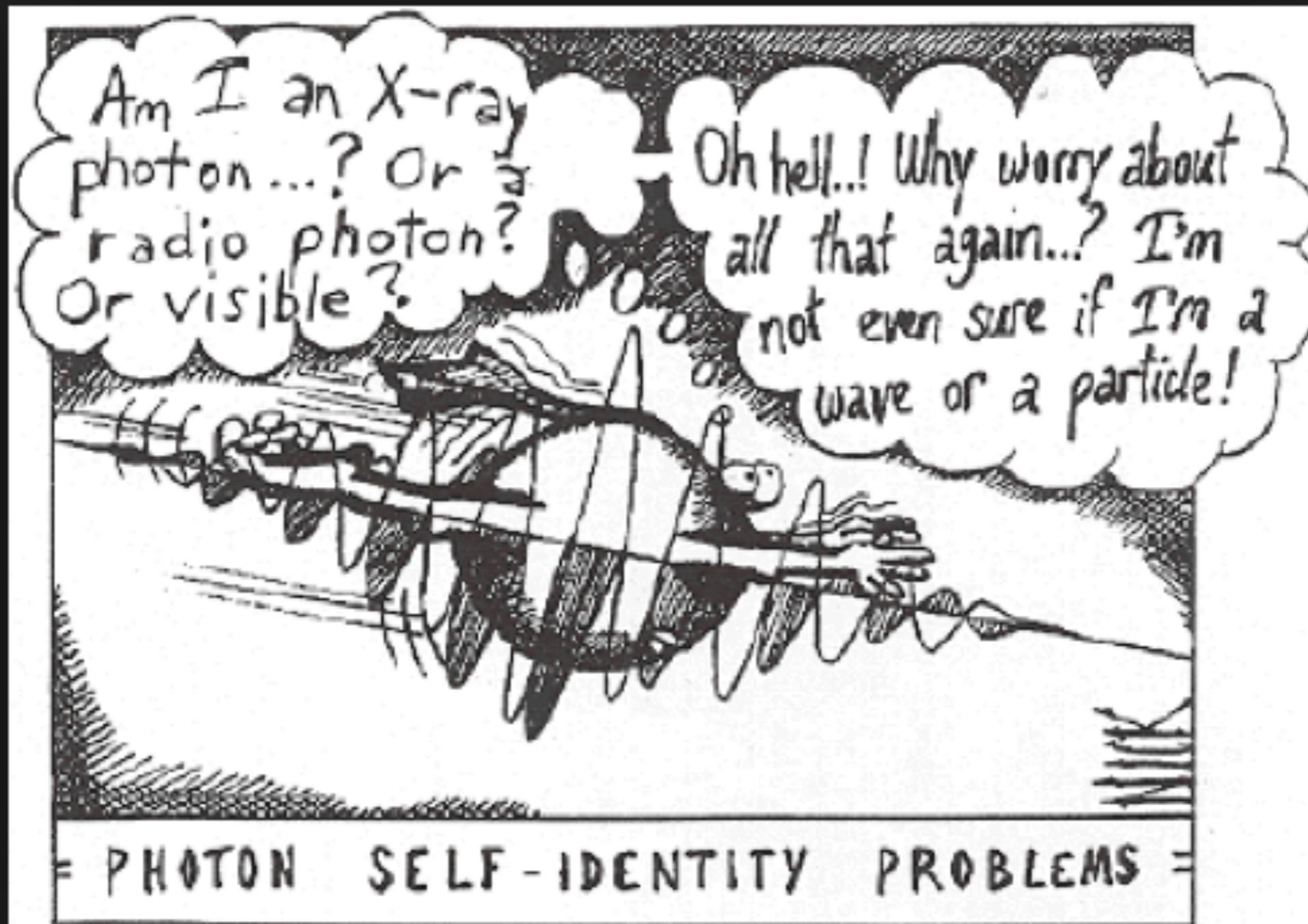
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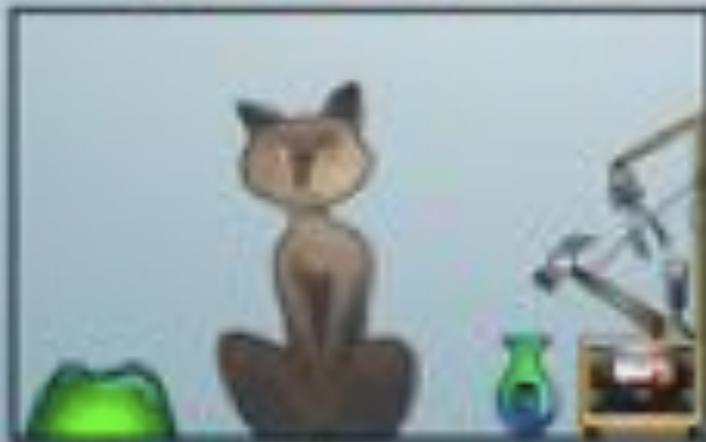
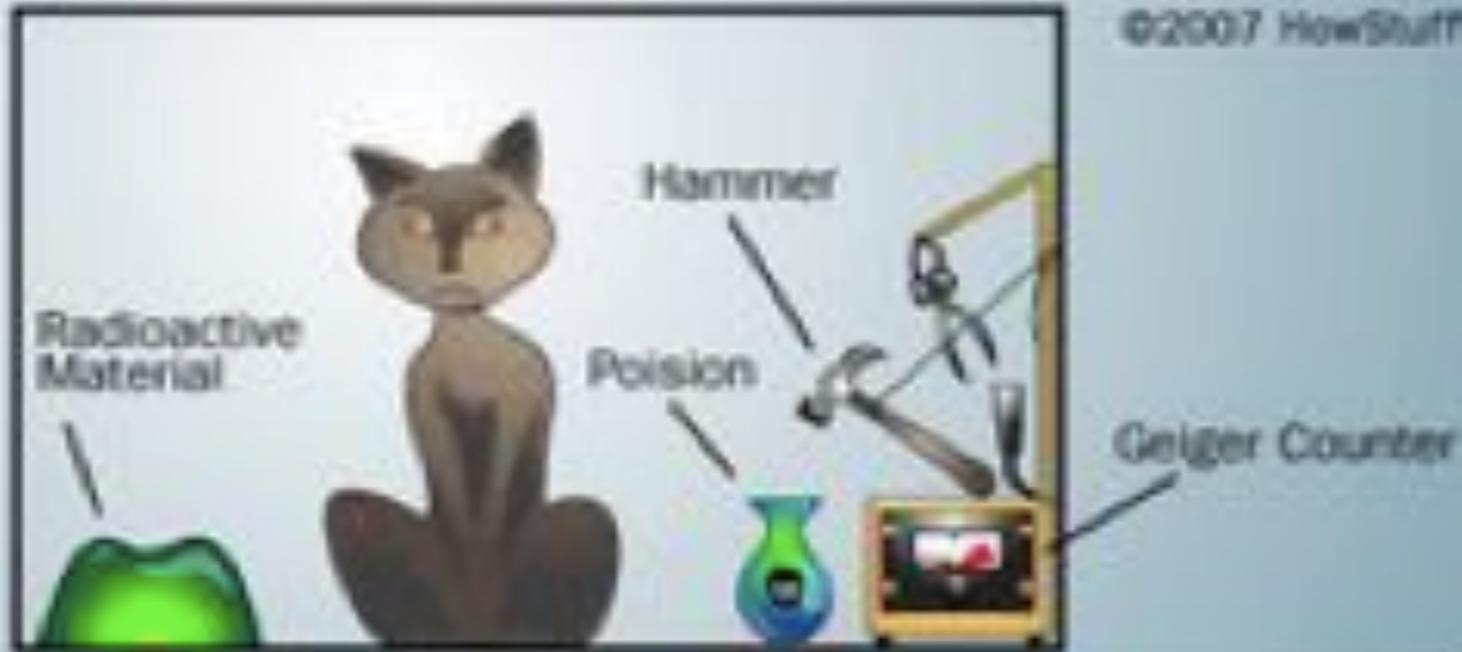
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Quantum Confusion

Schrödinger's Cat

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The material does not decay; the cat lives.



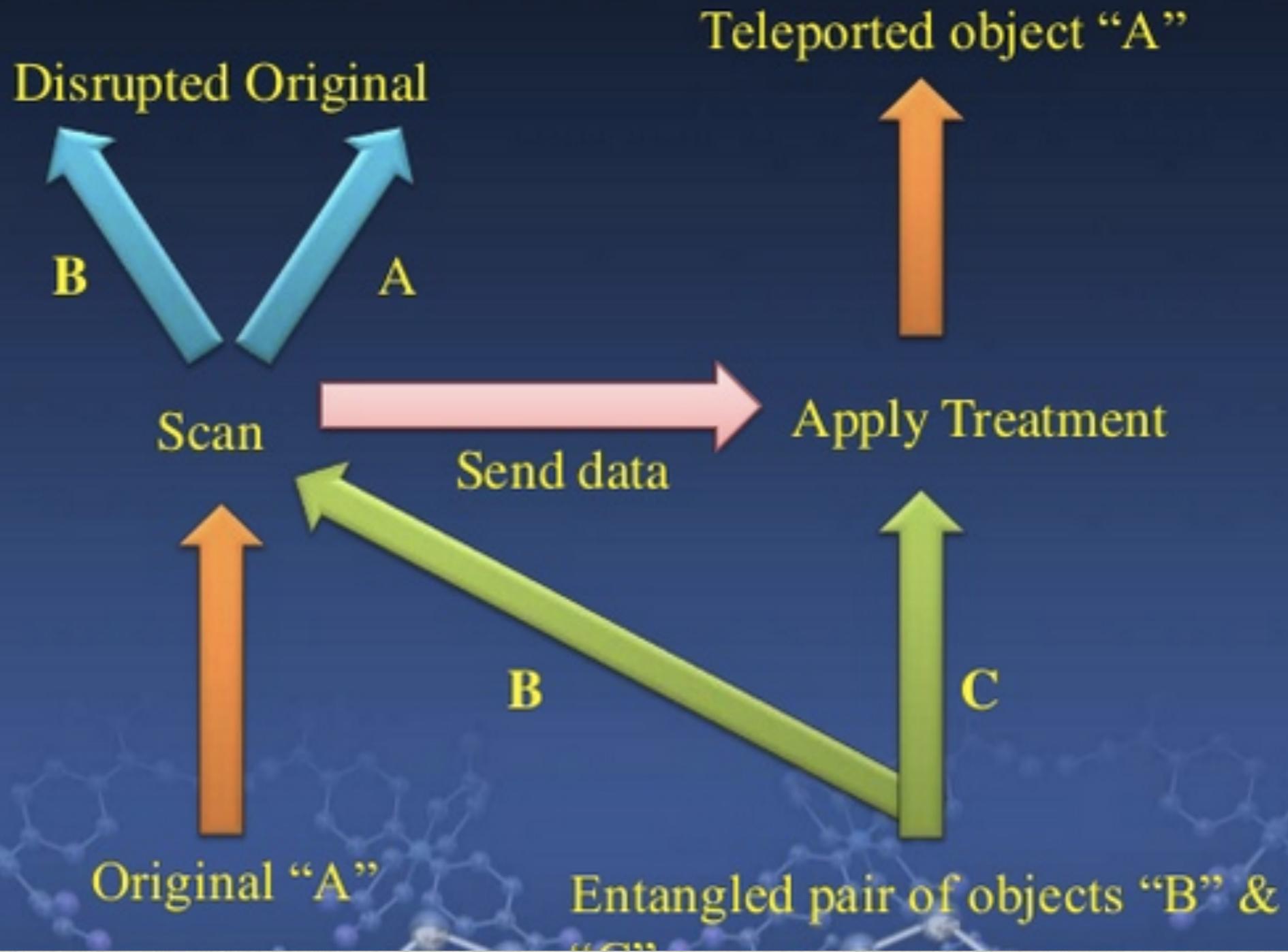
The material has decayed; the cat has been killed by the poison.

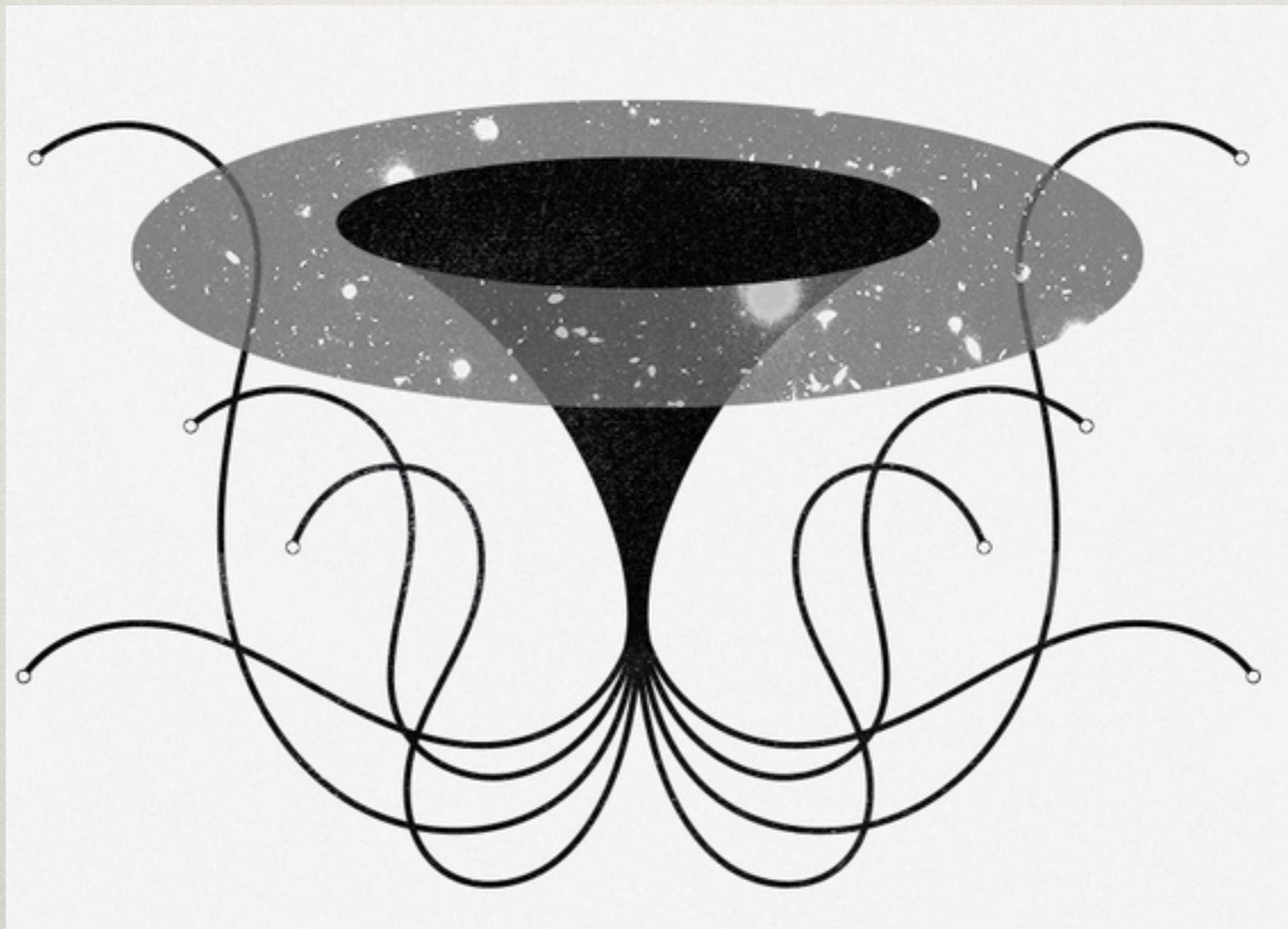


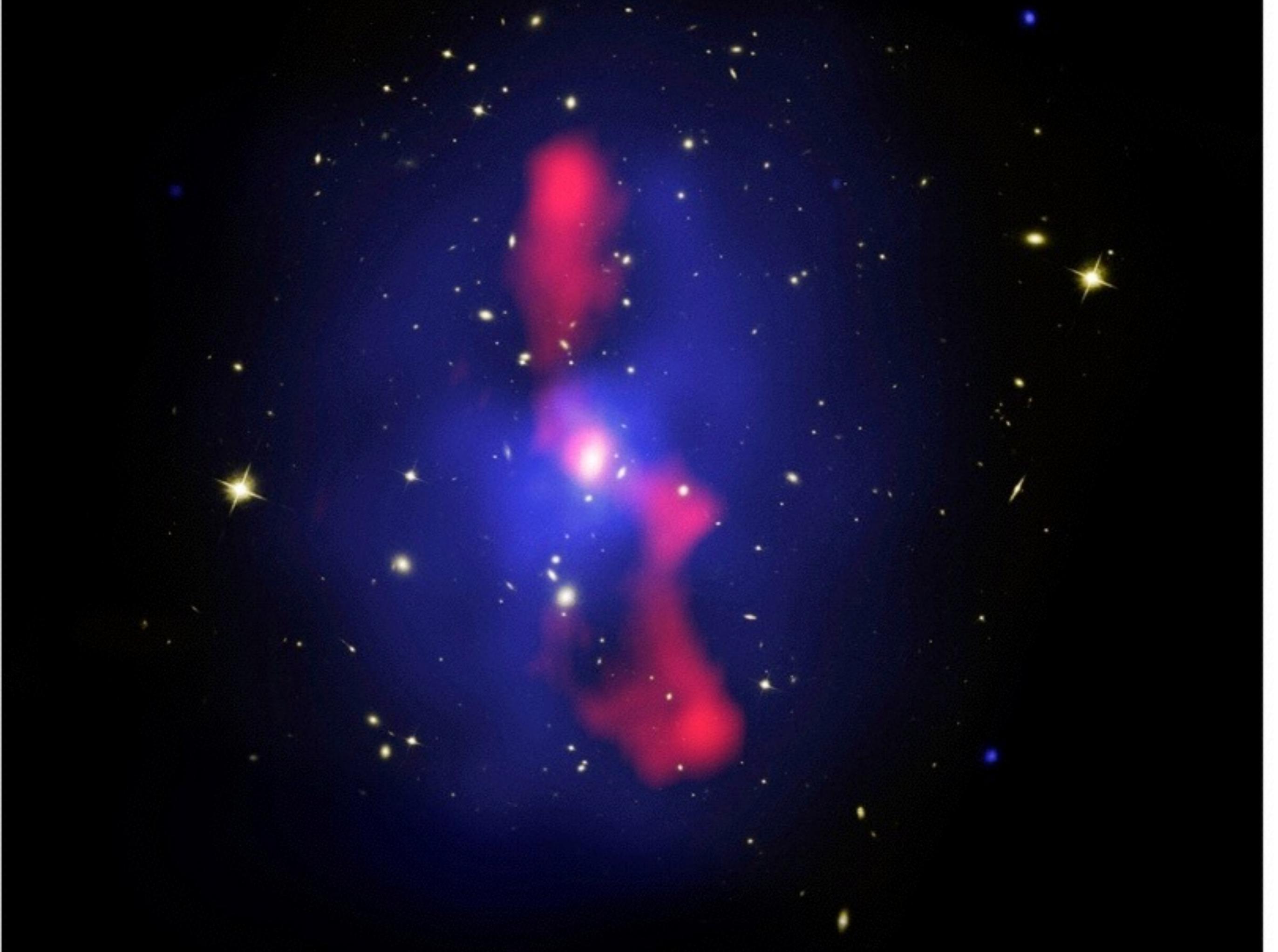
According to the Copenhagen interpretation, the cat is both alive and dead. It exists in a state of "superposition."

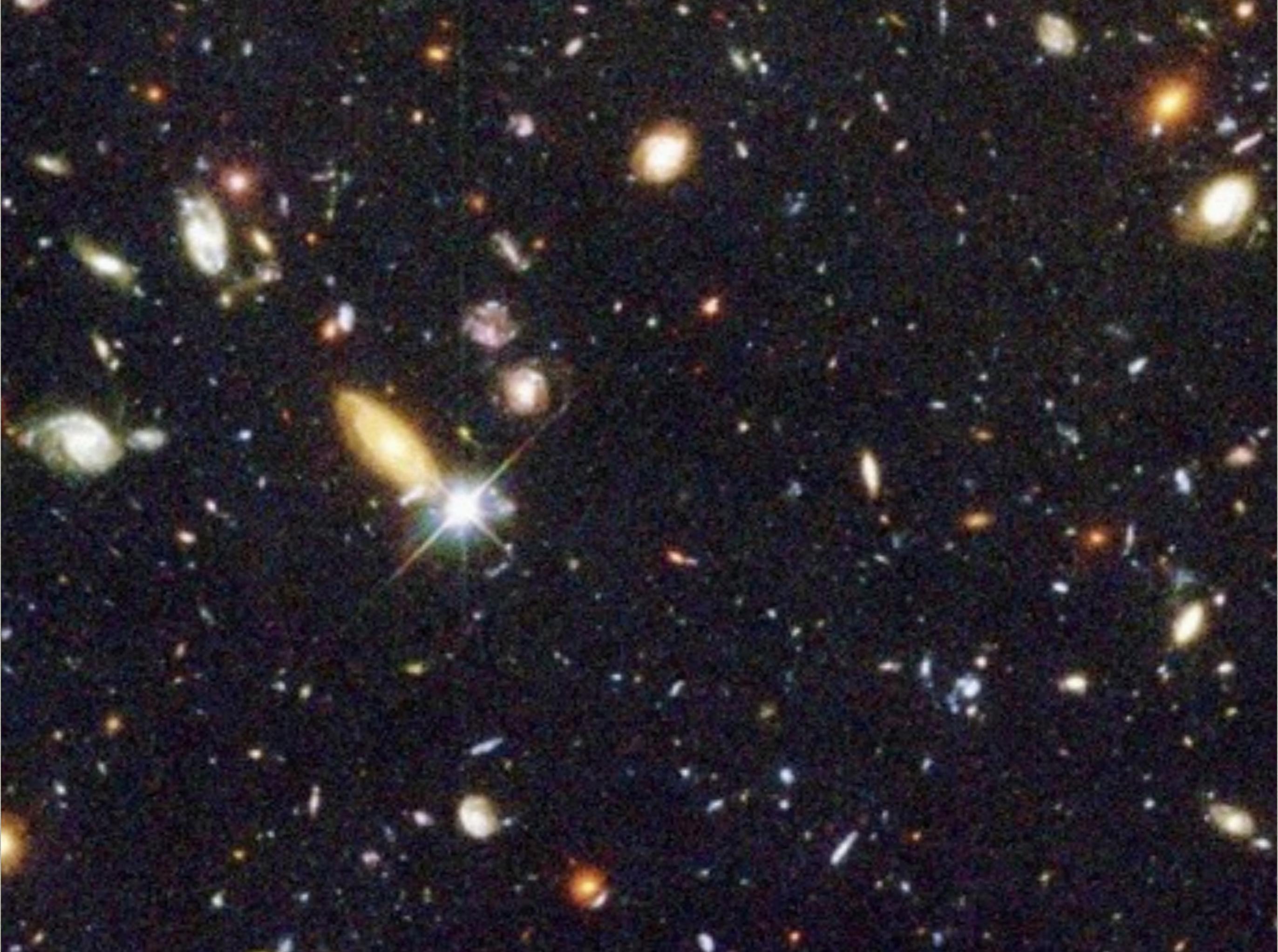
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➤ Pictorial Representation

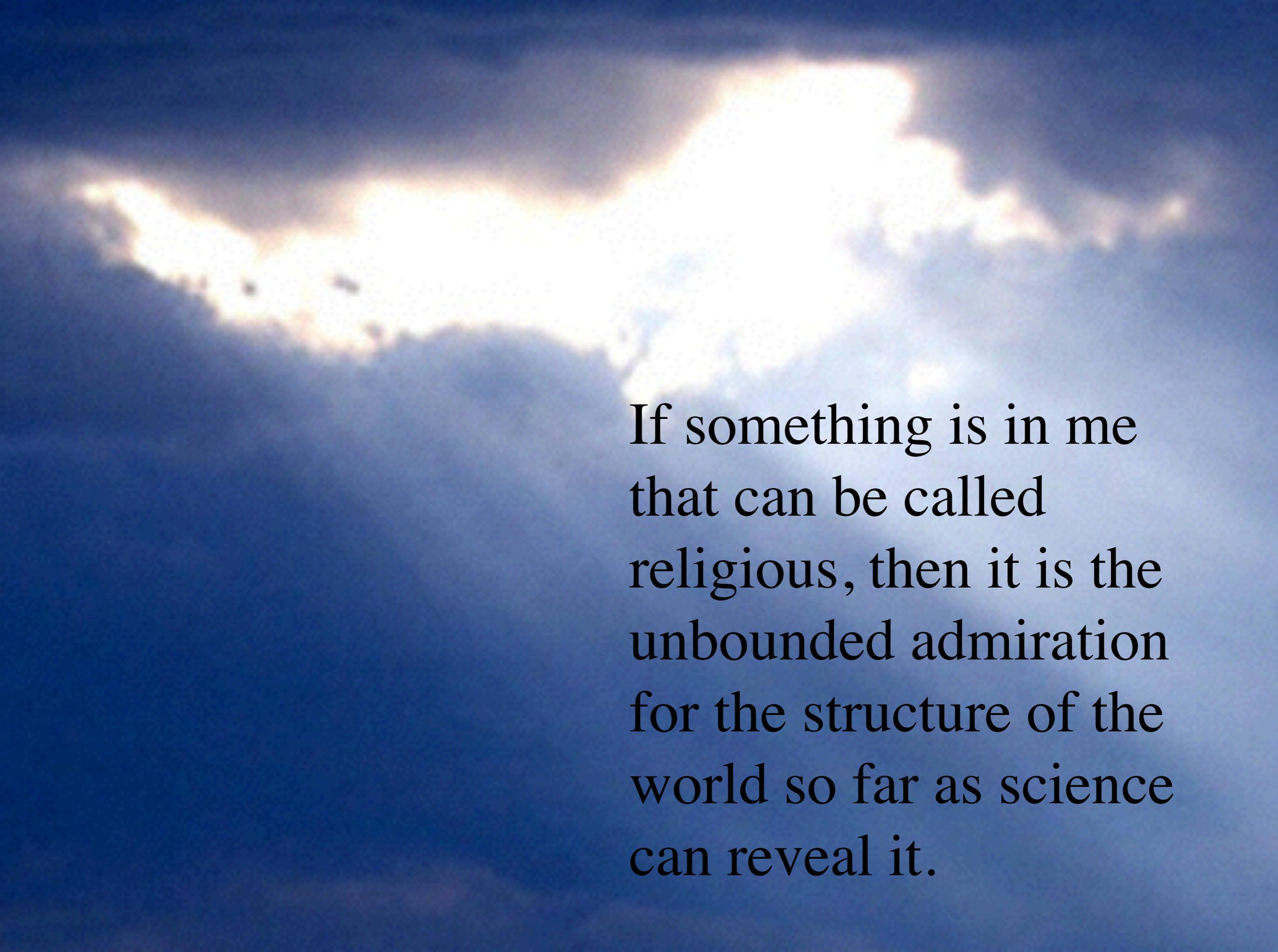




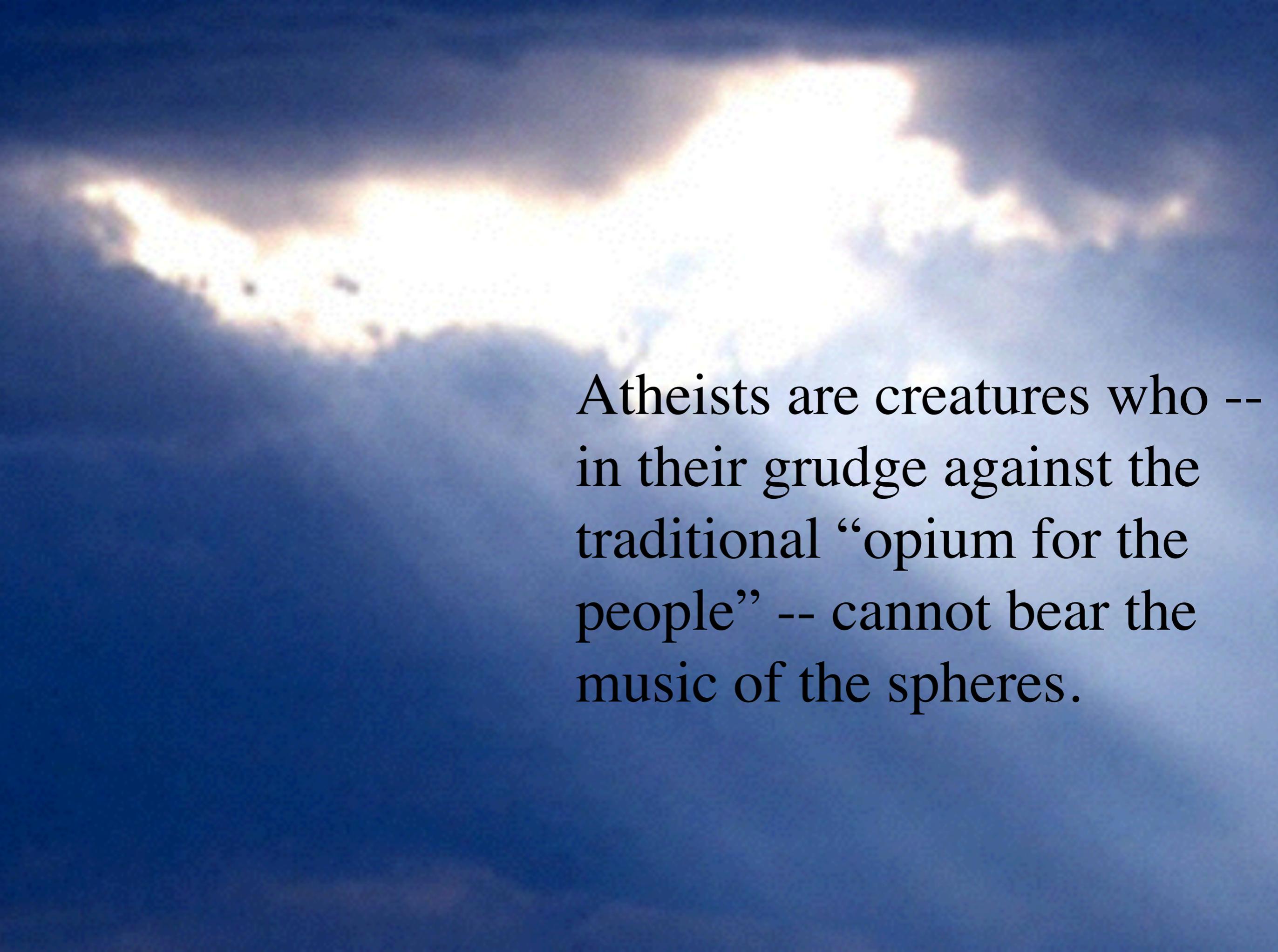






A bright sun is shining through a blue sky with wispy clouds. The sun is positioned in the upper right quadrant, creating a strong lens flare effect that spreads across the sky. The clouds are light and airy, adding texture to the background. The overall scene is bright and clear, suggesting a sunny day.

If something is in me
that can be called
religious, then it is the
unbounded admiration
for the structure of the
world so far as science
can reveal it.

A bright sun is shining through a blue sky with wispy clouds. The sun is positioned in the upper right quadrant, creating a strong lens flare effect that spreads across the sky. The clouds are light and airy, adding texture to the background. The overall scene is bright and clear.

Atheists are creatures who --
in their grudge against the
traditional “opium for the
people” -- cannot bear the
music of the spheres.

A bright sun is shining through a blue sky with wispy clouds. The sun is positioned in the upper right quadrant, casting a strong glow across the scene. The clouds are light and airy, scattered across the sky. The overall atmosphere is bright and clear.

The problem of God is too vast
for our limited minds

