

Scott & Jans

An Introduction

R. Scott Granneman & Jans Carton

© 2014 R. Scott Granneman • v1.27 2024-09-02 • Licensed CC BY-SA 4.0



Slides

[granneman.com/downloads/web-dev/
Scott-Jans.pdf](http://granneman.com/downloads/web-dev/Scott-Jans.pdf)

chnsa.ws/scott-jans-slides



Notes

[granneman.com/downloads/web-dev/
Scott-Jans.txt](http://granneman.com/downloads/web-dev/Scott-Jans.txt)

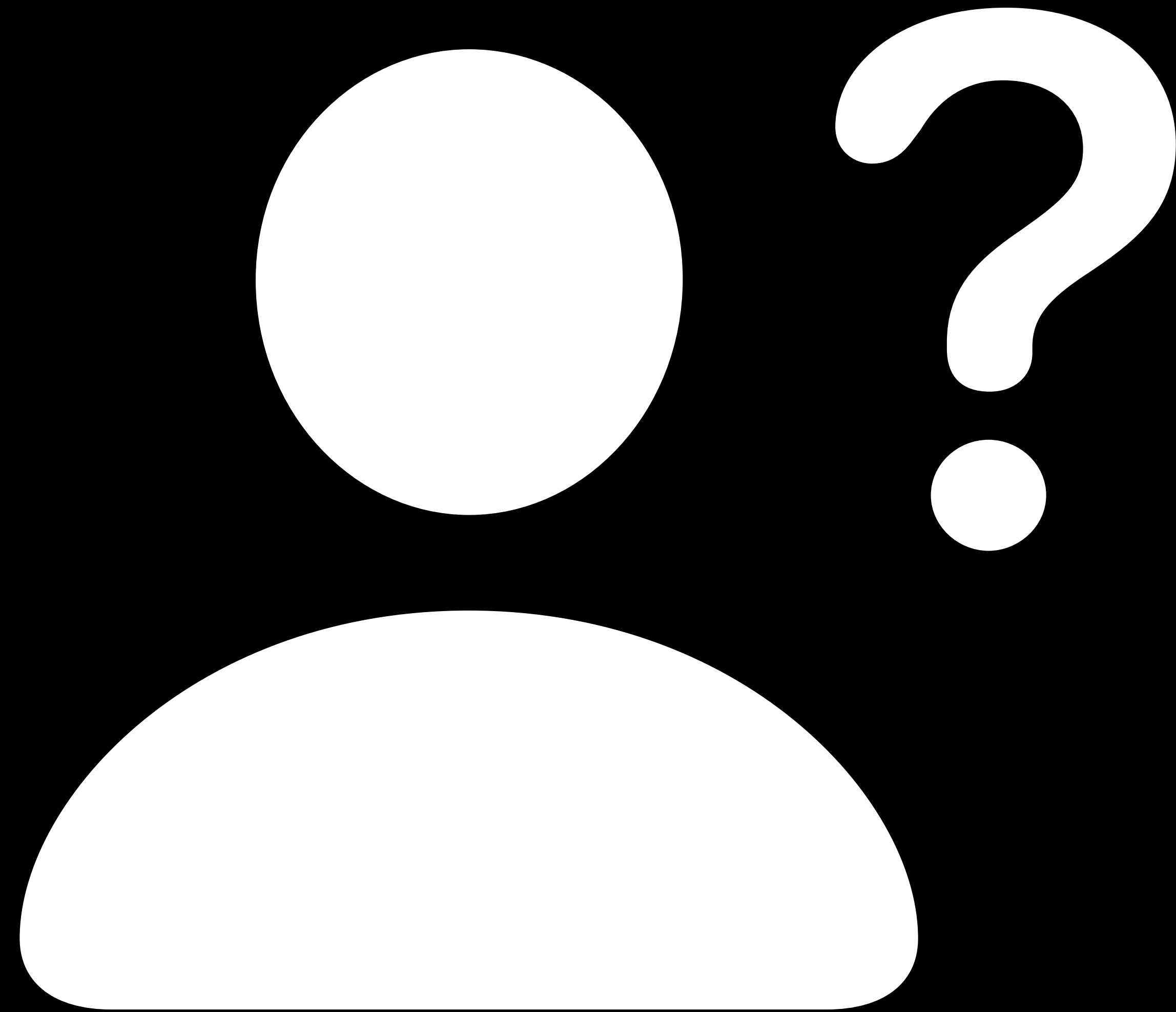
chnsa.ws/scott-jans-notes



All of my presentations

granneman.com/presentations/all-presentations

chnsa.ws/all-presentations



Scott Granneman

```
=edge">  
turns off zooming so my responsive design  
name="viewport" content="width=device-  
-width=device-width initial-scale=1">  
Bootstrap 101 Template</title>  
  
<link href="css/bootstrap.css" rel="stylesheet">  
<link href="css/me.css" rel="stylesheet">  
  
<script src="//ajax.googleapis.com/ajax/libs/jquery/1.  
.10.2/jquery.min.js"></script>  
<script src="js/bootstrap.js"></script>  
  
column layout, .lead, <small> in <h1>,
```

INS HTML ✓ Sp

for class that covered CSS & Responsive Web



[Prospective Students](#)[Current Students](#)[Faculty & Staff](#)[Alumni & Friends](#)[Parents](#)[Visitors](#)[Admissions](#)[About](#)[Academics & Schools](#)[Research](#)[Medicine & Healthcare](#)[Libraries](#)[Arts & Culture](#)[Athletics](#)[Giving](#)

Countdown begins

Commencement is Friday, May 16, and the excitement around campus is building. Visit commencement.wustl.edu for the latest information on the big day.

[▶ Read more](#)[University Community ▶](#)[Key Initiatives](#)

Our overarching goal is to enhance our leadership today to benefit America and the world tomorrow. How do we achieve that? We focus on key issues facing a global society.

[News ▶](#)

Students 'print' pink prosthetic arm for teen girl



Robotic arm offers new functions at low cost.



Web Development & Advanced Web Development
The Politics of Encryption: Snowden, Surveillance, &
the Fourth Amendment
Technology for Managers
Social Media: From Blogs to Wikis
Technology & the Law
Practical Security
Communications Technology & New Media



Since 1915

Life at the home campus in St. Louis: Vibrant, spontaneous, diverse. Everyone is welcome. Every culture and interest is a lesson to share on the way to global citizenship.

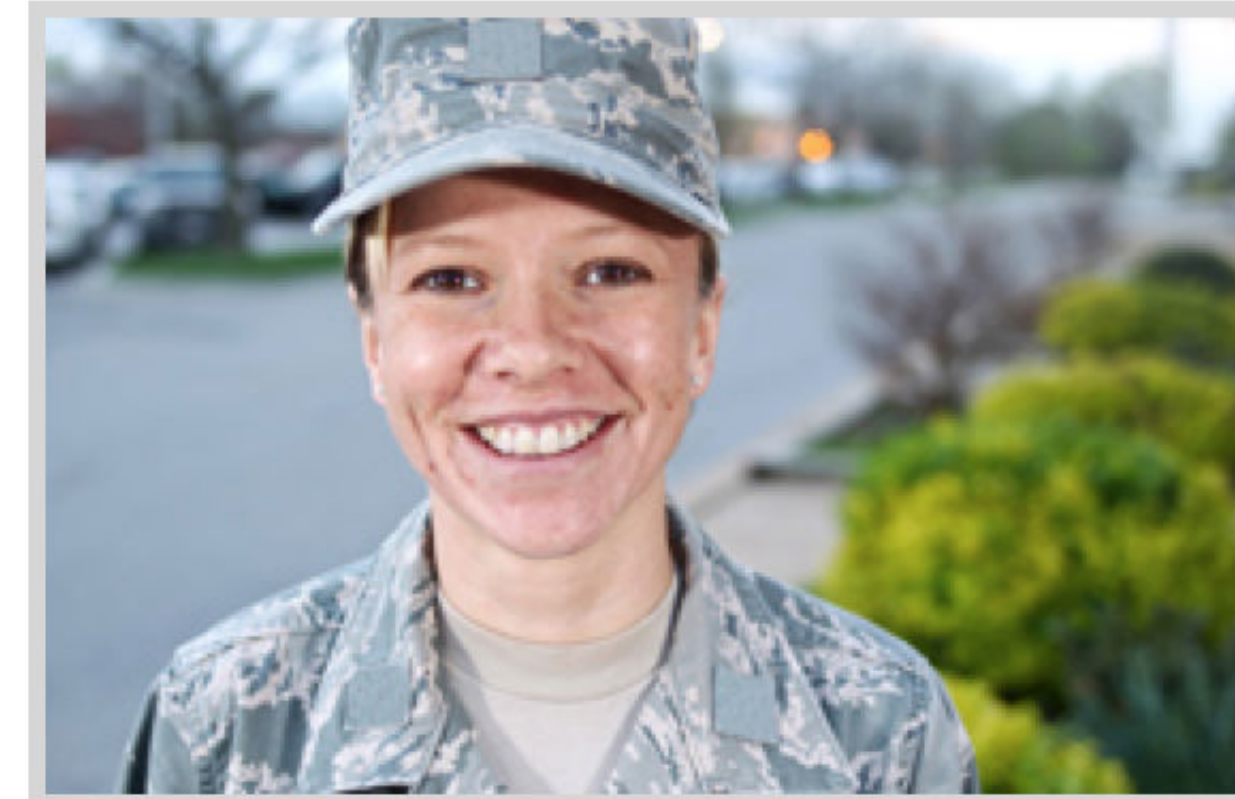
[Explore the St. Louis Campus »](#)



Hands-on Learning

Webster offers students a global, personalized education. International programs in Europe, the U.S. and Asia provide an American-style global education for a global century.

[Explore Global Opportunities »](#)



Military Friendly

Webster and the DOD have collaborated for 40 years to provide high-quality, cost effective programs at installations everywhere. Advance your career as you serve.

[Explore Military Options »](#)



Introduction to Web Programming (Computer Science)
Cascading Style Sheets (Computer Science)
Programming for the Web (Communications)
User Experience Design
Introduction to Interactive Digital Media
Professional Practice of Interactive Digital Media



APPLY NOW



QUICK LINKS



FAQ'S

HOME

ACADEMICS

ADMISSIONS & FINANCIAL AID

STUDENT LIFE

COMMUNITY RESOURCES

ABOUT SCC



SCC Weekend College.
Get Your Business Degree in Four Semesters. »



Frontend Web Development
Backend Web Development
Introduction to JavaScript
Web Development Process
Social Media Marketing

Corporate training for clients including:

American Civil Liberties Union (ACLU) of Eastern Missouri,
Georgia, New Jersey, & Pennsylvania • Anheuser-Busch •
Boeing • CHARIS Chorus • City of Bellefontaine Neighbors •
Emerson Electric • Episcopal Diocese of Missouri • Fontbonne
University • Habitat for Humanity St. Louis • Indeeco •
Microsoft • Monsanto • National School Conferencing Institute
• Object Computing • Professional Football Equipment
Managers Society • Regional Justice Information Service
(REJIS) • Saint Louis Zoo • Stanford University Alumni Center
• Sverdrup Corporation • United States Air Force • Veterans for
Peace • Washington University in St. Louis Law School



don't
on the click
blue e!

switching to firefox



O'REILLY®

Scott Granneman

Hacking Knoppix



Look through any Windows

Build tools to repair and recover what you thought Windows had lost



IT'S ALL HERE

bootable Live CD features Knoppix Light 4.0.2

This one's **MINE**

▣ Customize a Knoppix distro just for your needs

Scott Granneman

ESSENTIAL CODE
AND COMMANDS

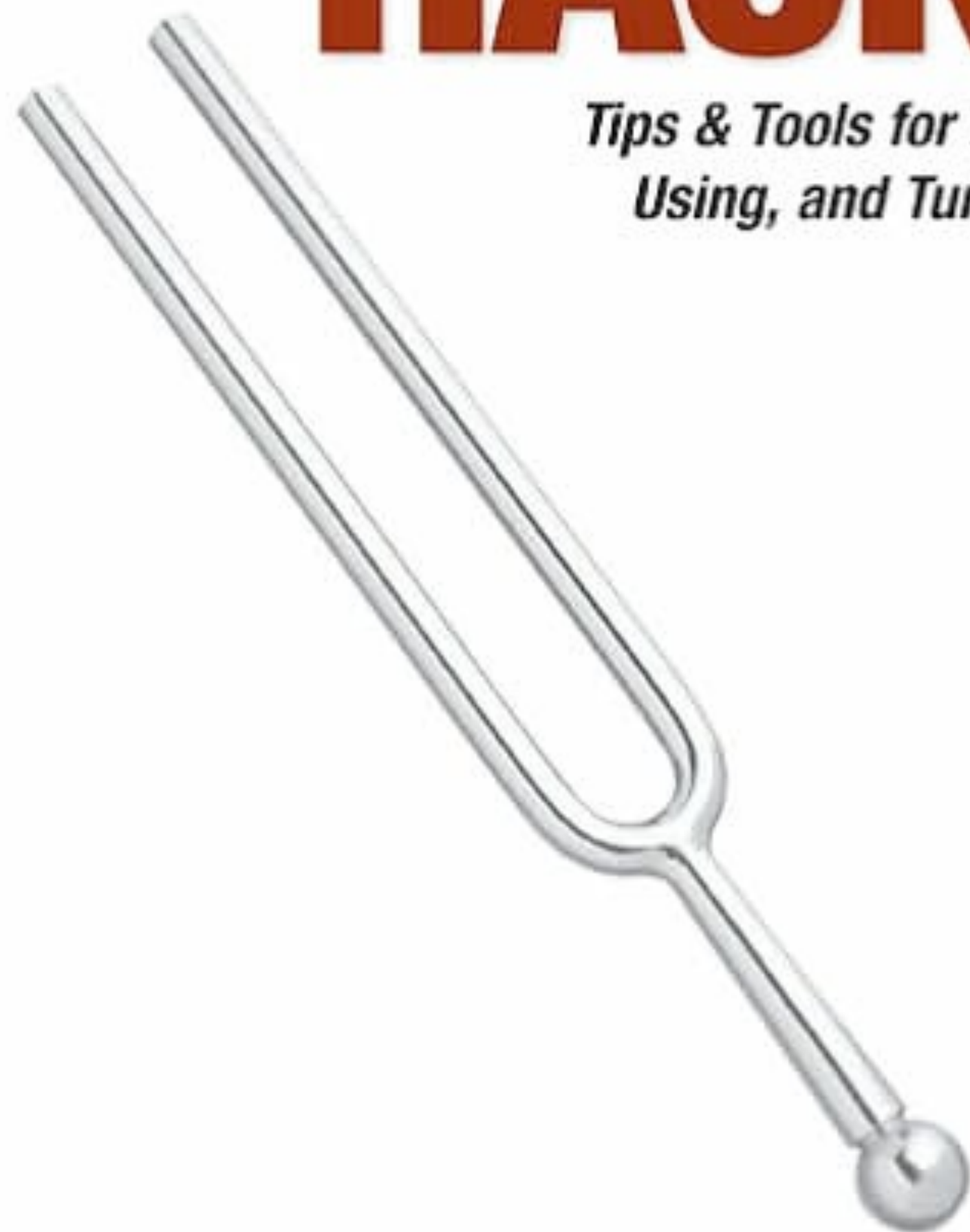
Linux[®]

PHRASEBOOK



UBUNTU HACKS™

*Tips & Tools for Exploring,
Using, and Tuning Linux*



O'REILLY®

*Kyle Rankin,
Jonathan Oser & Bill Childers*

SYNGRESS®

4 FREE BOOKLETS
YOUR SOLUTIONS MEMBERSHIP



MICROSOFT®

Vista

for
IT Security Professionals

The Book Professional Sys Admins MUST Own to Safely Deploy Vista

- Learn the New Security Features of Vista
- Safely Integrate Vista with Existing Wired and Wireless Network Infrastructure
- Companion CD Contains Hundreds of Working Scripts and Utilities

Anthony Piltzecker



Your Short Cut to Knowledge

Podcasting with Audacity™

Creating a Podcast with Free Audio Software

Mac, Windows, and Linux

Dominic Mazzoni and Scott Granneman



Community Press

www.prenhallprofessional.com



NEGUS SOFTWARE SOLUTIONS SERIES

Google™ Apps

D E C I P H E R E D

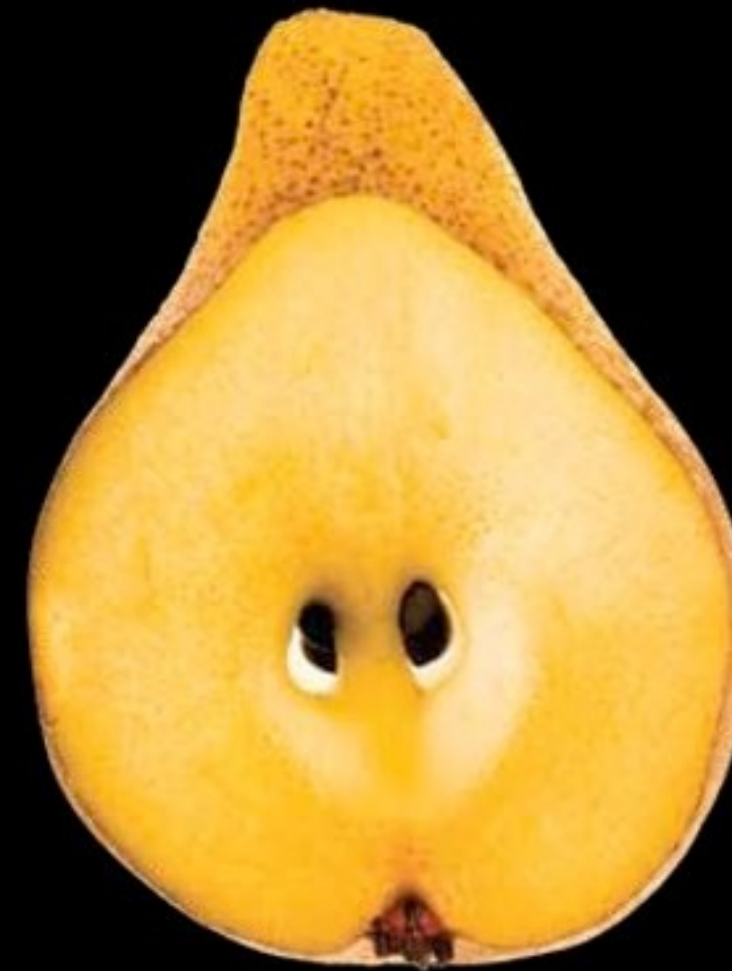
Compute in the Cloud to Streamline Your Desktop

Scott Granneman



PRACTICE SOFTWARE FREEDOM

Mac and iPhone book for
users and developers



Mac OS X Snow Leopard for Power Users

Advanced Capabilities and Techniques

Scott Granneman

Apress®

Scott Granneman



ESSENTIAL CODE AND COMMANDS

Second
Edition

Linux[®]

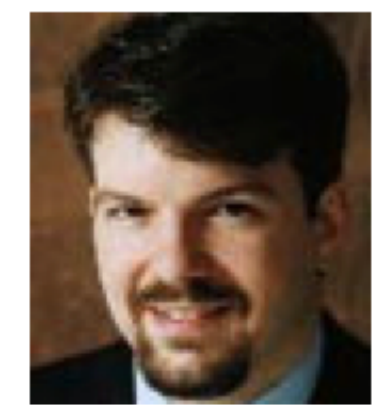
PHRASEBOOK



Run your small business. We'll protect it.

Complete protection solution designed for small business.

[More Info](#) ▶



RFID Chips Are Here

Scott Granneman, 2003-06-26

RFID chips are being embedded in everything from jeans to paper money, and your privacy is at stake.

Bar codes are something most of us never think about. We go to the grocery store to buy dog food, the checkout person runs our selection over the scanner, there's an audible beep or boop, and then we're told how much money we owe. Bar codes in that sense are an invisible technology that we see all the time, but without thinking about what's in front of our eyes.

Bar codes have been with us so long, and they're so ubiquitous, that its hard to remember that they're a relatively new technology that took a while to catch on. The [patent for bar codes](#) was issued in 1952. It took twenty years before a standard for bar codes was approved, but they still didn't catch on. Ten years later, only 15,000 suppliers were using bar codes. That changed in 1984. By 1987 - only three years later! - 75,000 suppliers were using bar codes. That's one heck of a growth curve.

“ Right now, you can buy a hammer, a pair of jeans, or a razor blade with anonymity. With RFID tags, that may be a thing of the past. ”

So what changed in 1984? Who, or what, caused the change?

Wal-Mart.

When Wal-Mart talks, suppliers listen. So when Wal-Mart said that it wanted to use bar codes as a better way to manage inventory, [bar codes became de rigeur](#). If you didn't use bar codes, you lost Wal-Mart's business. That's a death knell for most of their suppliers.

The same thing is happening today. I'm here to tell you that the bar code's days are numbered. There's a new technology in town, one that at first blush might seem insignificant to security professionals, but it's a technology that is going to be a big part of our future. And how do I know this? Pin it on Wal-Mart again; they're the big push behind this new technology.

So what is it? RFID tags.

LINUX

MAGAZINE

OPEN SOURCE. OPEN STANDARDS.

A VERY APT APT

Keeping Your System
Up-to-Date Couldn't Be Easier

ISCSI

Build a Worldwide
Storage Area Network

THE MANY WAYS OF THE CONDOR

A Powerful System for
Managing HPC Clusters

ALSO INSIDE:

- Embed a Database
with SQLite
- Make Connections
with *netcat* and *socat*
- Take the Red Pill
with *Bochs*
- Work Smart with *Smarty*

OCTOBER 2003



PROJECT OF
THE MONTH:

Gallery

THE SURF REPORT: WHICH
LINUX BROWSER IS BEST?



beonex



DILLO



SkipStone



***** 3-DIGIT 502
|||||

We empower and enlighten!

WebSanity works closely with clients to plan, develop, and host attractive, usable websites that enable editors to manage all aspects of their sites.

[LEARN MORE](#)

AK

~60 clients

ME

VT

NH

WA	ID	MT	ND	MN	WI	MI		NY	MA	RI
----	----	----	----	----	----	----	--	----	----	----

OR	UT	WY	SD	IA	IL	OH	PA	NJ	CT
----	----	----	----	----	----	----	----	----	----

CA	NV	CO	NE	MO	IN	WV	VA	MD	DE
----	----	----	----	----	----	----	----	----	----

	AZ	NM	KS	AR	KY	TN	SC	NC		+UK
--	----	----	----	----	----	----	----	----	--	-----

HI

	OK	LA	MS	AL
--	----	----	----	----

GA

TX

FL



[ABOUT](#)

[VISIT](#)

[ANIMALS](#)

[CONSERVATION](#)

[EDUCATION](#)

[EVENTS](#)

[MEMBERSHIP](#)

[GIVE](#)

 Search

**Help make us
the best zoo in the
whole wild world.**

[Click here to learn more and donate](#)



FEATURES

- [See KTVI's story on animals in winter](#)
- Watch videos of [tree kangaroo](#), [meerkats](#) and a [sea lion](#) enjoying snow
- [Valentine Adoption](#) Cuddle with a colobus monkey!
- Delta Dental [Winter Zoo](#) and [Mardi Gras](#)
- Untamed Hearts: [Valentine's Day Dinner](#)

EVENTS



Hajra Waheed

A Solo Exhibition

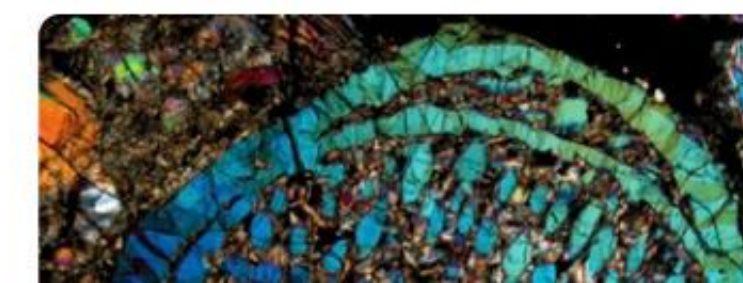
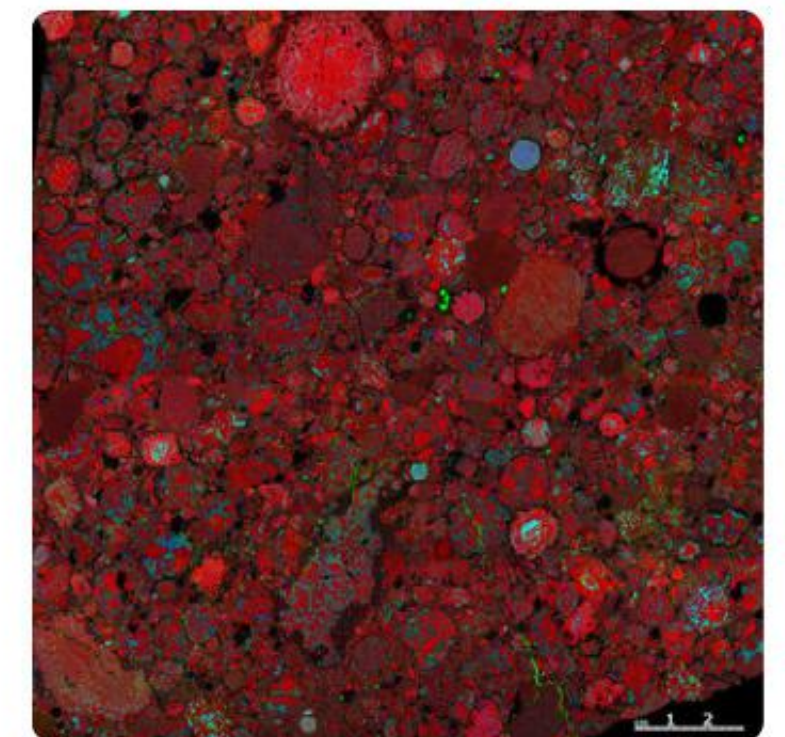
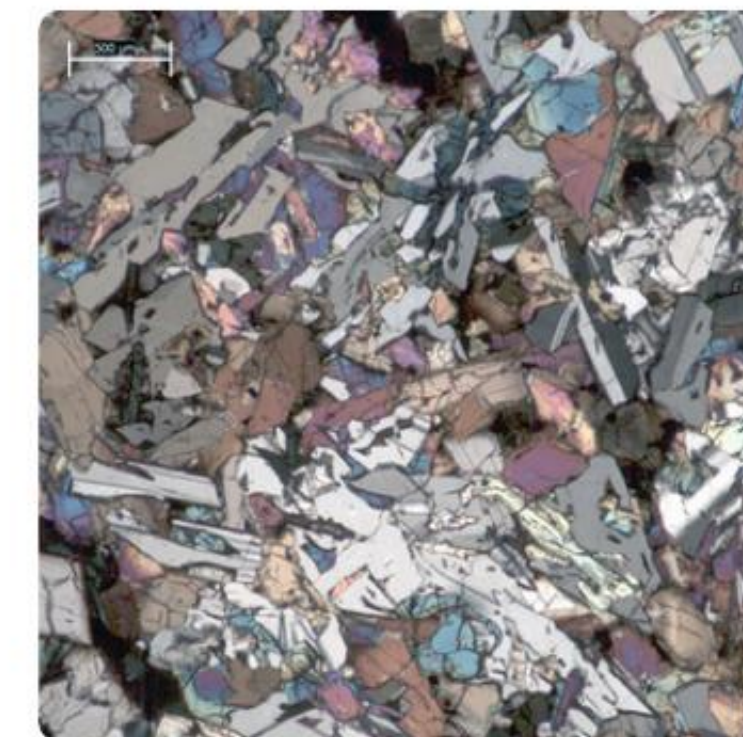
Contemporary Art Museum, St. Louis

Meteorites. Asteroids. Comets.
Natural satellites. Planets. Impacts Craters.
Origin of the Solar System.

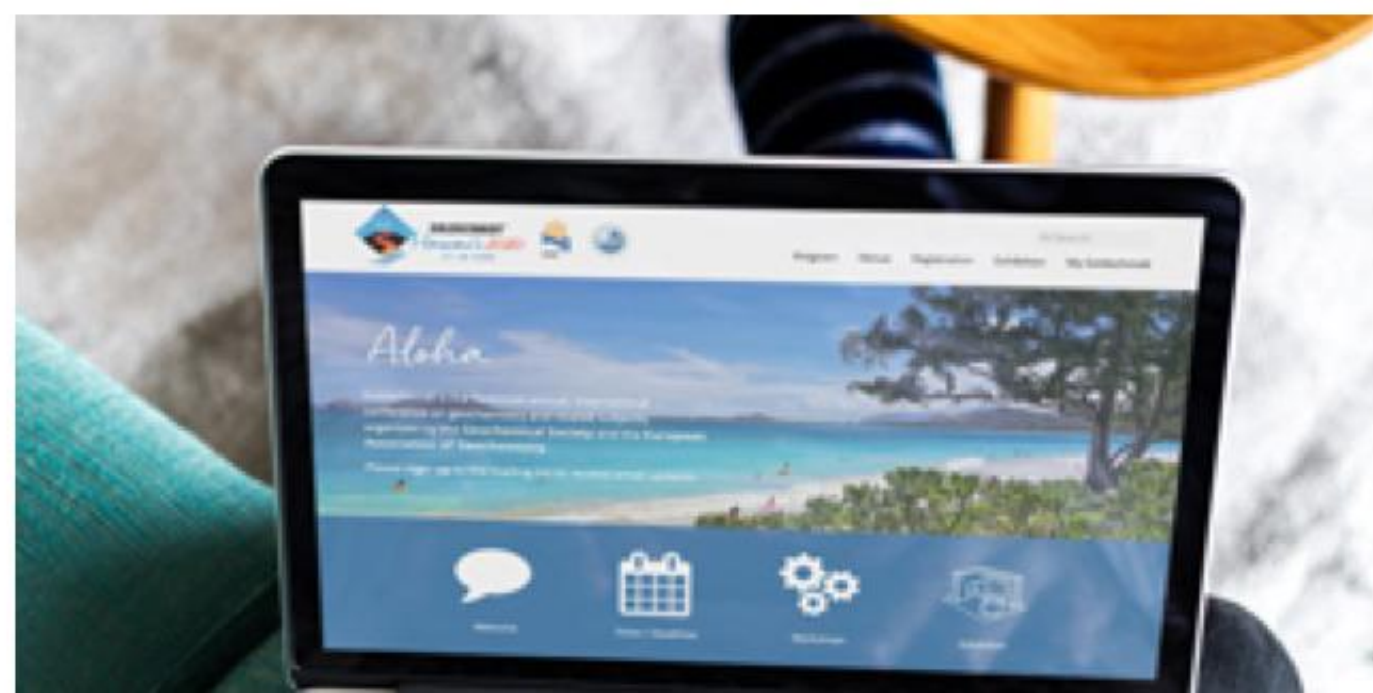
photo credit

The Meteoritical Society is an international organization dedicated to the promotion of research and education in planetary science with emphasis on the studies of meteorites and other extraterrestrial materials that further our understanding of the origin of the solar system. The Society was established in 1933.

Our members, from 52 nations, span the range of planetary science. We are scientists, amateur scientists and enthusiasts.



The collaborative international community of scientists who explore, learn, and teach geochemistry





[Search](#)

[Contact](#)

[Member Portal](#)

[ABOUT](#)

[TEAMS & STAFF](#)

[WHAT WE DO](#)

[INTERNSHIPS](#)

[NEWS](#)



[Learn More](#)

photo credit

**Legends of the
Craft**

FIND A SCHOOL

ABOUT


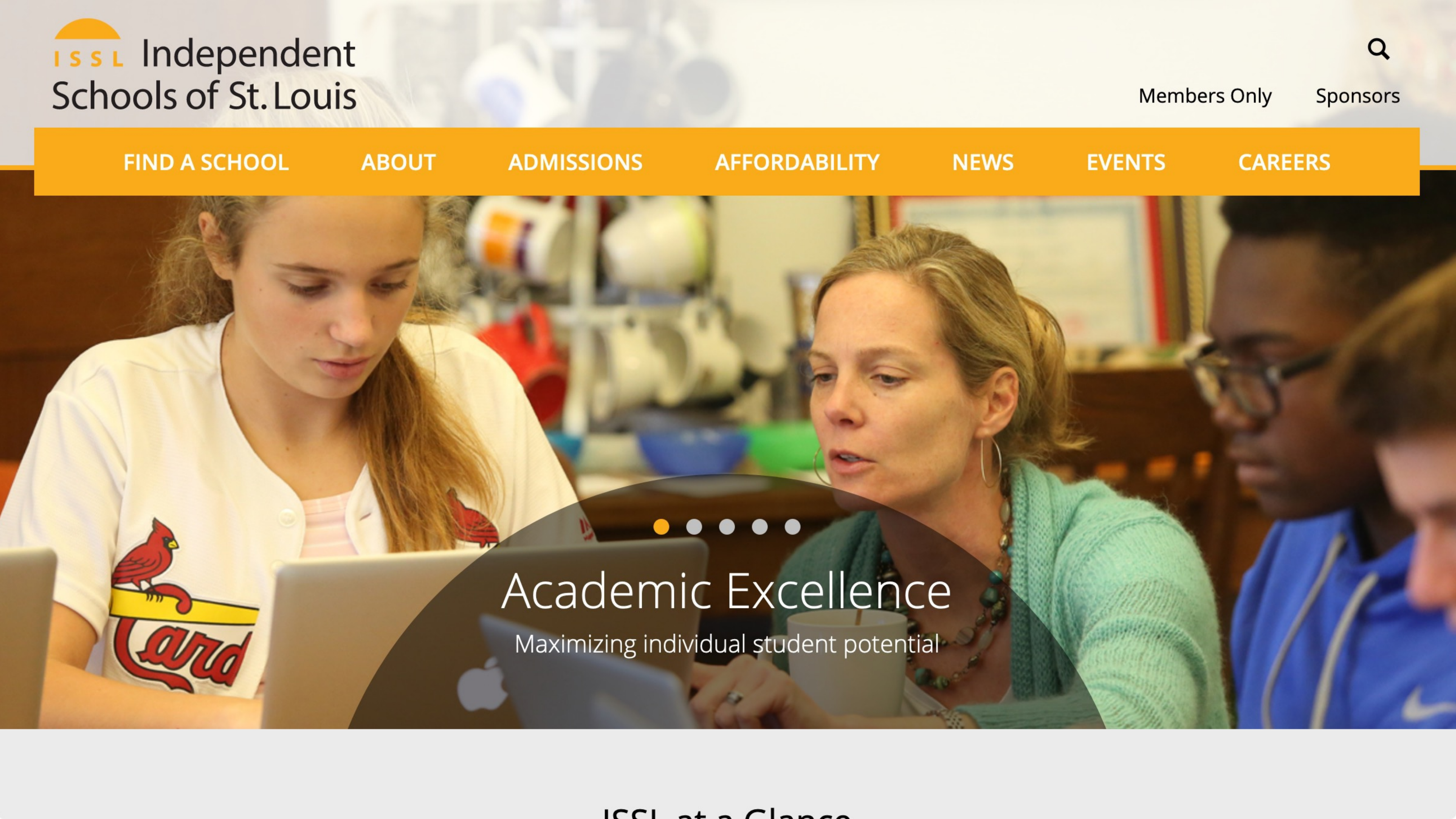
ADMISSIONS

AFFORDABILITY

NEWS

EVENTS

CAREERS



Academic Excellence

Maximizing individual student potential

ISSSL at a Glance



SEARCH

Third Baptist Church

[ABOUT](#) [WORSHIP & MUSIC](#) [MISSIONS](#) [CONNECT](#) [FAMILY](#) [NEWS](#) [CALENDAR](#) [GIVE](#)



A GRAND WELCOME

January Worship: Darkness and Light...



WINGS PAN



QUICK REFERENCE

Turns Rounds Icons Components Powers Bonus Cards Goals Setup Endgame

DETAILED RULES

Action Cubes Bird Cards Bird Powers Birdfeeder Bonus Cards Cache Draw Birds Eggs FAQ Flocking
Food Gain Food Lay Eggs Nectar Nests Play a Bird Player Mat Predator Reset Scoring Goals
Tucked Cards Turns Wingspan

WS AE EE OE
STANDARD MODE

Jans Carton



Professional Education Technology & Leadership Center

SCHOOL OF ENGINEERING & APPLIED SCIENCE AT WASHINGTON UNIVERSITY

Exploring HTML5 & CSS

Advanced CSS

Mastering Effective Web Design

HTML to CSS to Responsive Web Design

Responsive Web Design for Designers

We empower and enlighten!

WebSanity works closely with clients to plan, develop, and host attractive, usable websites that enable editors to manage all aspects of their sites.

[LEARN MORE](#)

H. P. Lovecraft



1890–1937

“...an American writer of weird, science, fantasy, and horror fiction. ... He was virtually unknown during his lifetime and ... almost exclusively published in pulp magazines before his death. ... [H]e is now regarded as one of the most significant 20th-century authors of supernatural horror fiction.”

At the Mountains of Madness
The Call of Cthulhu
The Case of Charles Dexter Ward
Dagon
The Dreams in the Witch House
The Dunwich Horror
The Shadow Over Innsmouth
The Shadow Out of Time
The Whisperer in Darkness

Lovecraft's work, characters, styles, & themes are
everywhere throughout our culture

Arkham Asylum



The Elizabeth Arkham Asylum for the Criminally Insane serves as a psychiatric hospital for Gotham City, housing patients who are judged criminally insane

Arkham was a city created by Lovecraft



NEWS

4

BREAKING NEWS

DP UNLEASHES CTHULHU

ALL NEW



South Park



Black Sabbath's 1st album has a song on it — “Behind the Wall of Sleep” — named after a Lovecraft story: “Beyond the Wall of Sleep”



@lovetheusers 🐞🖋️🔗 @lovetheusers · Dec 30, 2022

Humans can't accept the truth about GPT-3, so they modified GPT-3 to be understandable



2



5



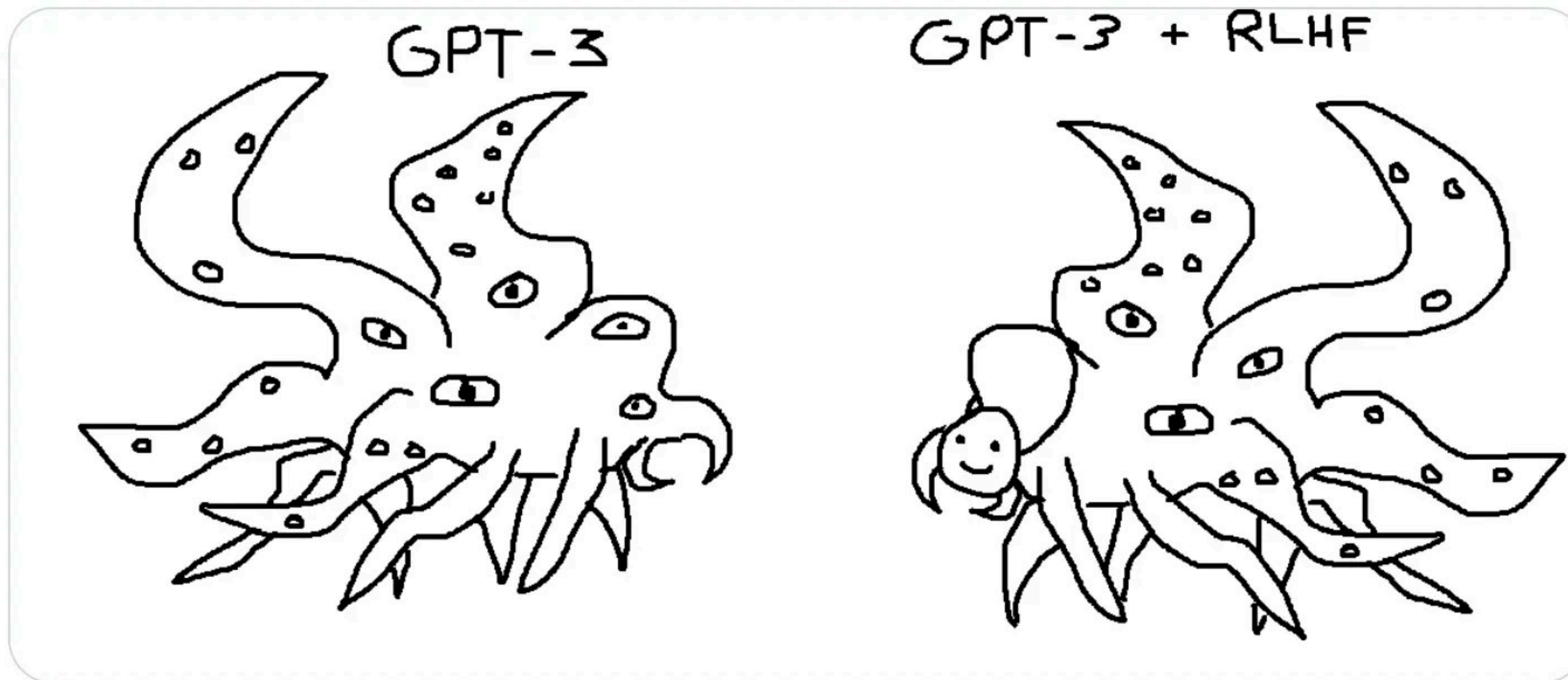
74



8,406



tetraspace 💎
@TetraspaceWest



5:23 PM · Dec 30, 2022 · 78.8K Views

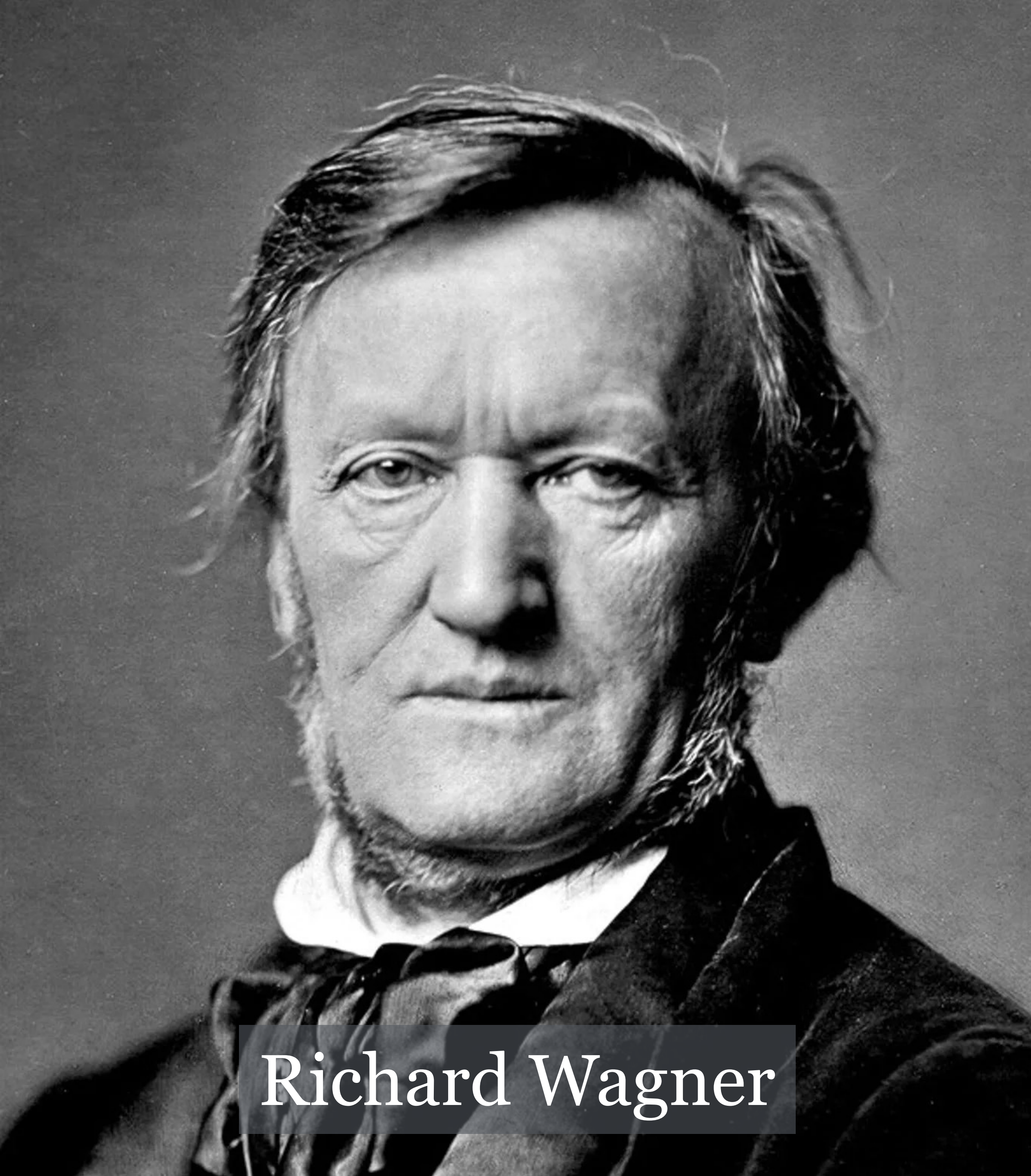
49 Retweets 23 Quotes 662 Likes 57 Bookmarks

Lovecraft's Shoggoth is often used with AI enthusiasts to describe how the weirdness of AI tools can be masked to make people feel better using them

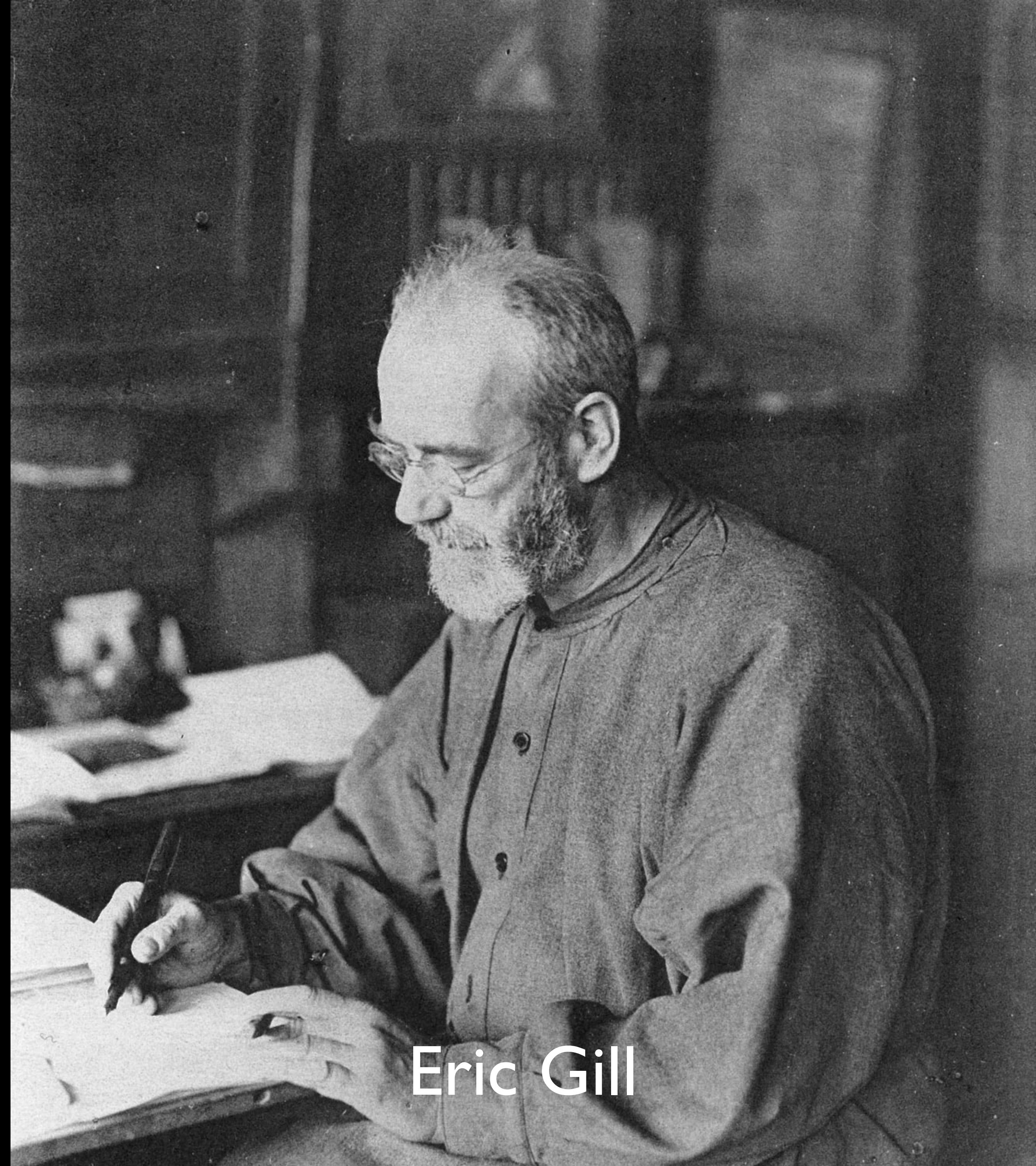


*The Necronomicon, from *The Evil Dead* (1981)*

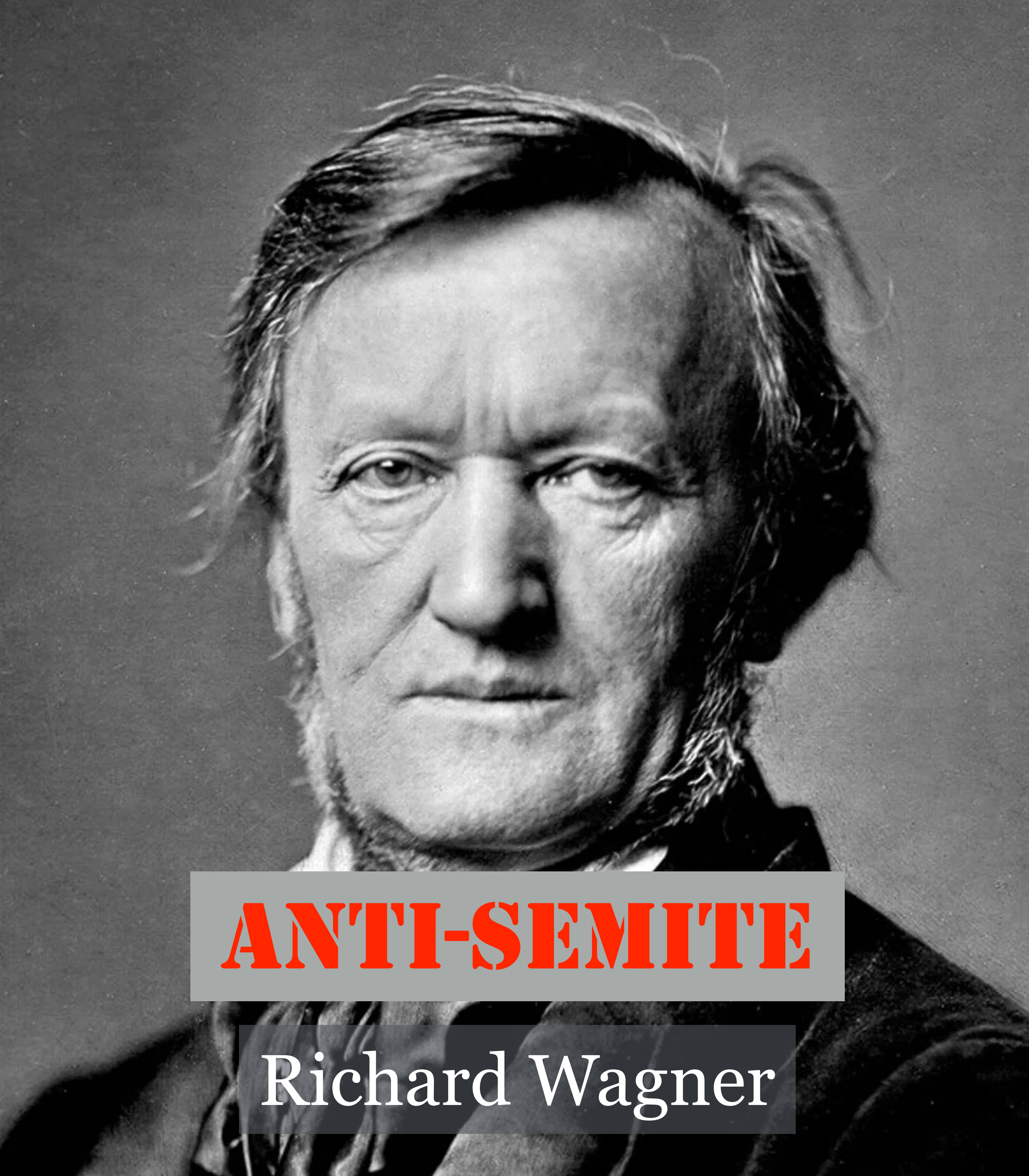
A question that will always be debated: how do we approach art created by people that are deeply flawed if not worse?



Richard Wagner

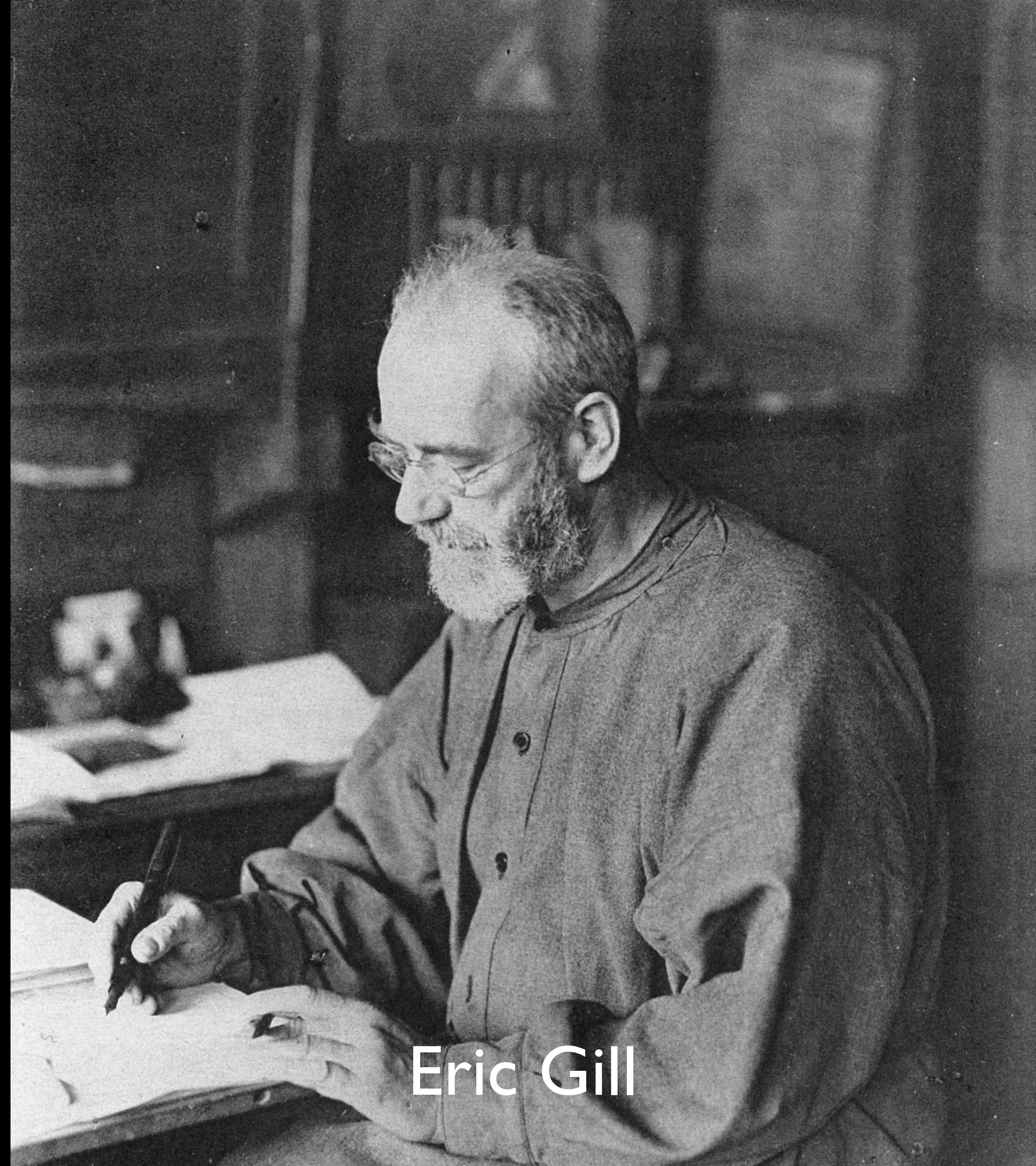


Eric Gill

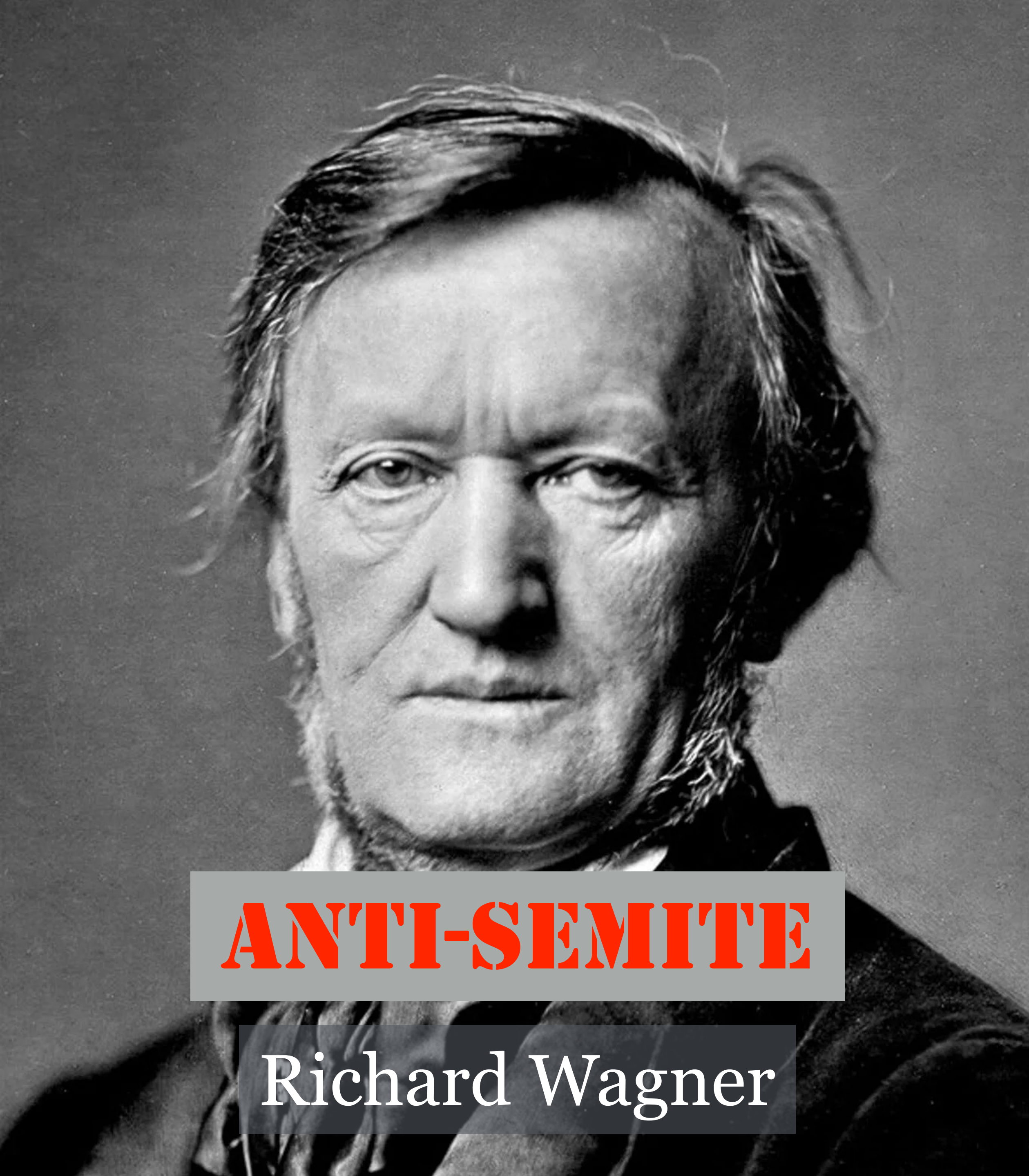


ANTI-SEMITTE

Richard Wagner

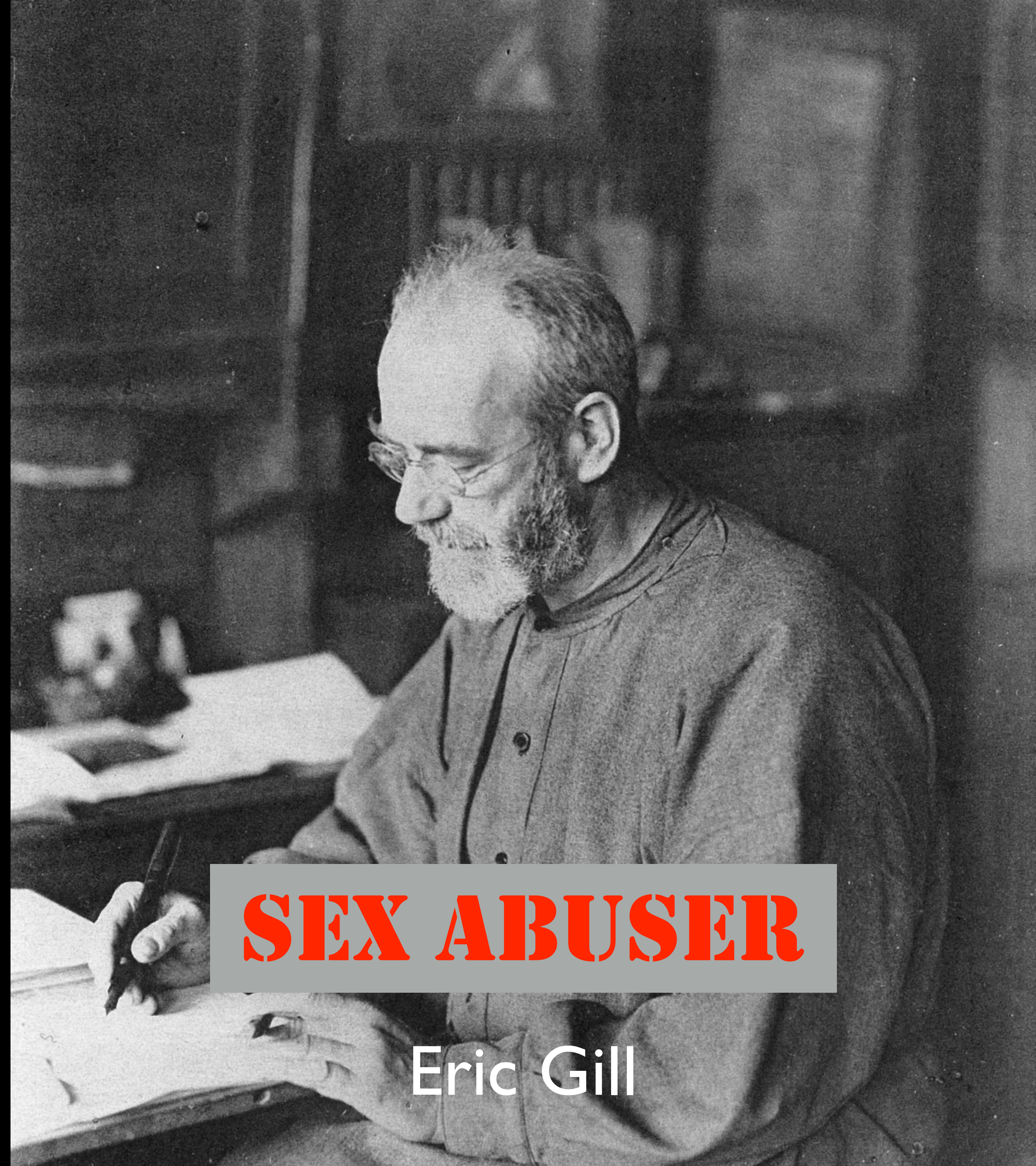


Eric Gill



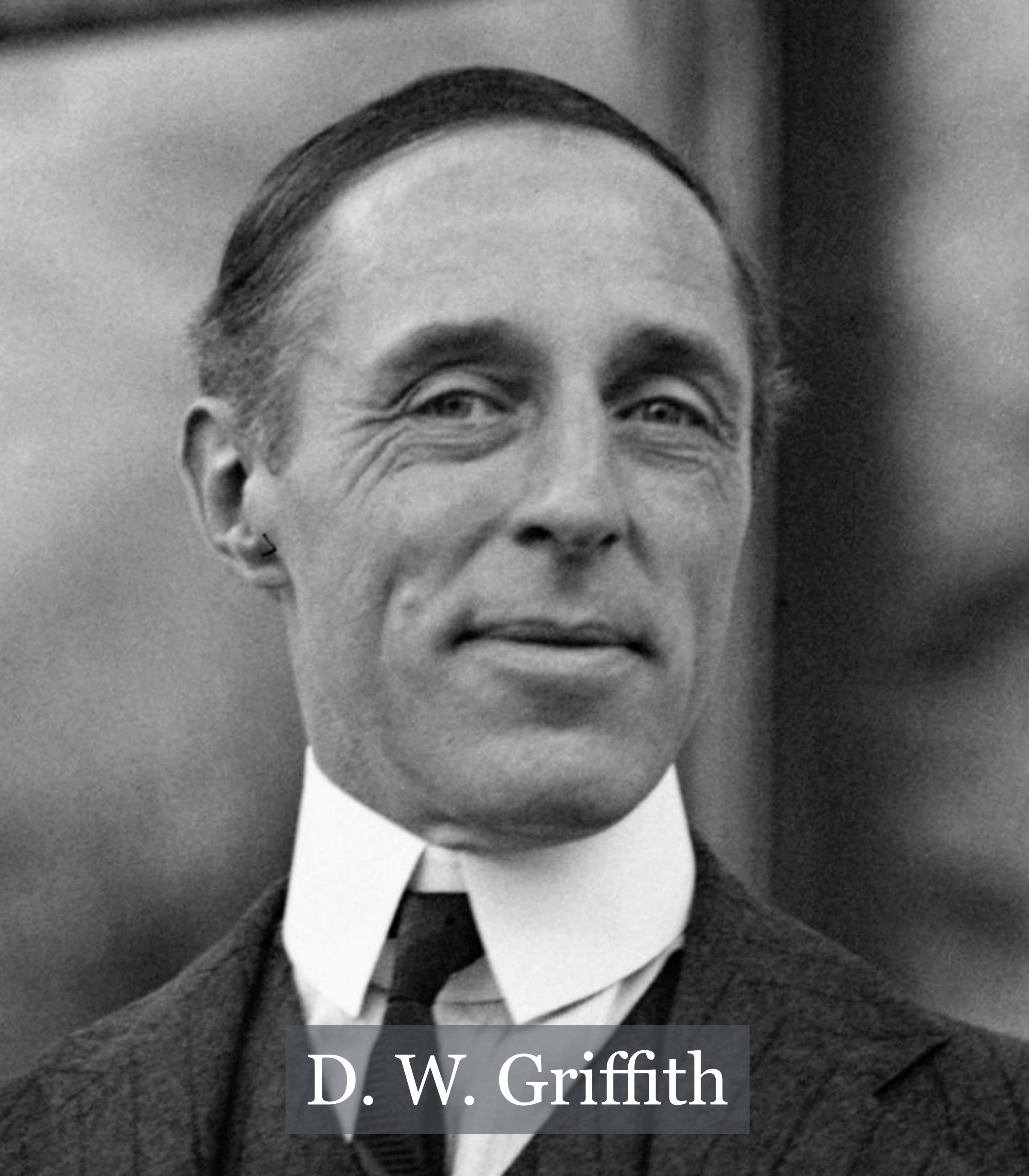
ANTI-SEMITTE

Richard Wagner



SEX ABUSER

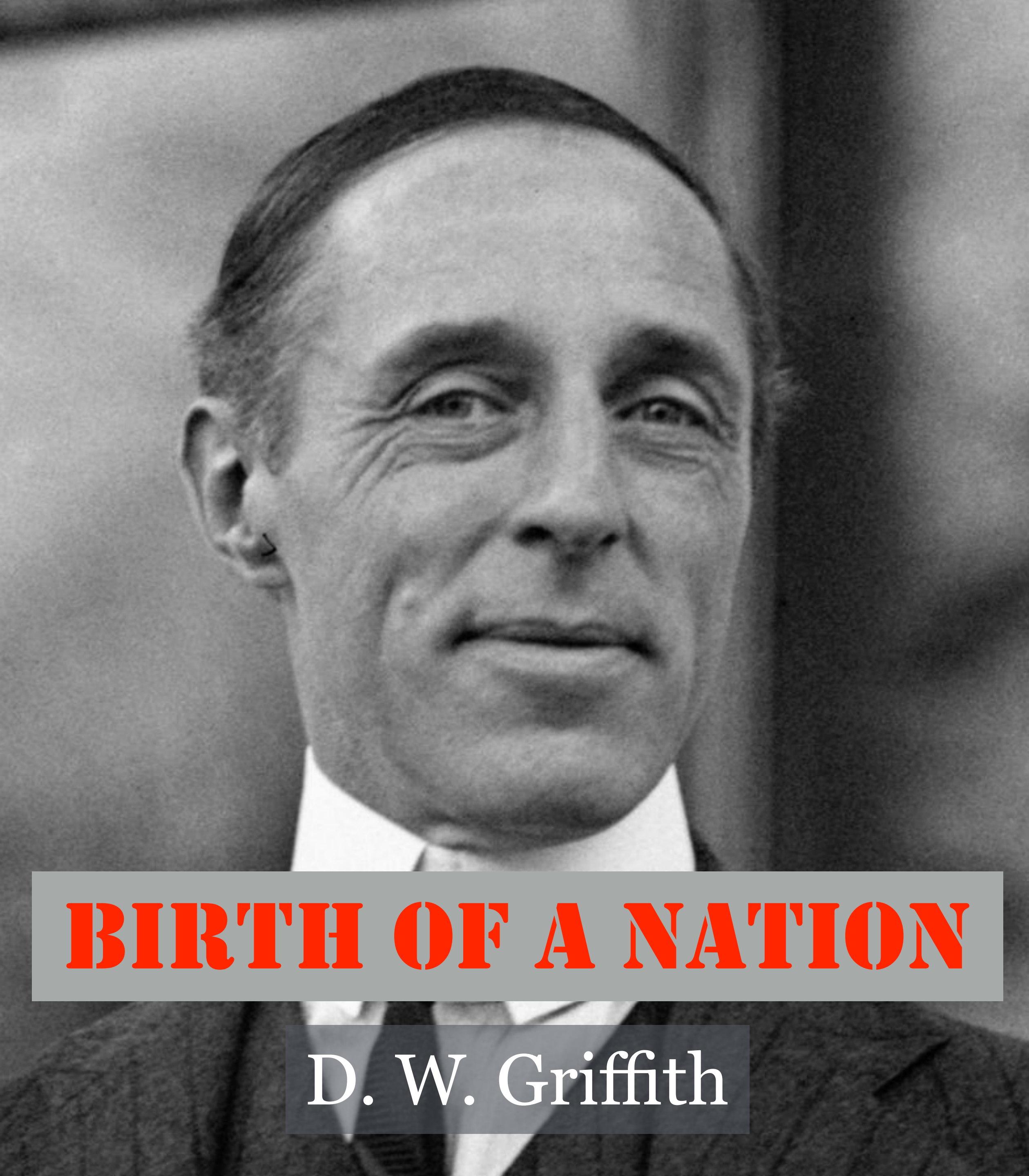
Eric Gill



D. W. Griffith



Michael Jackson

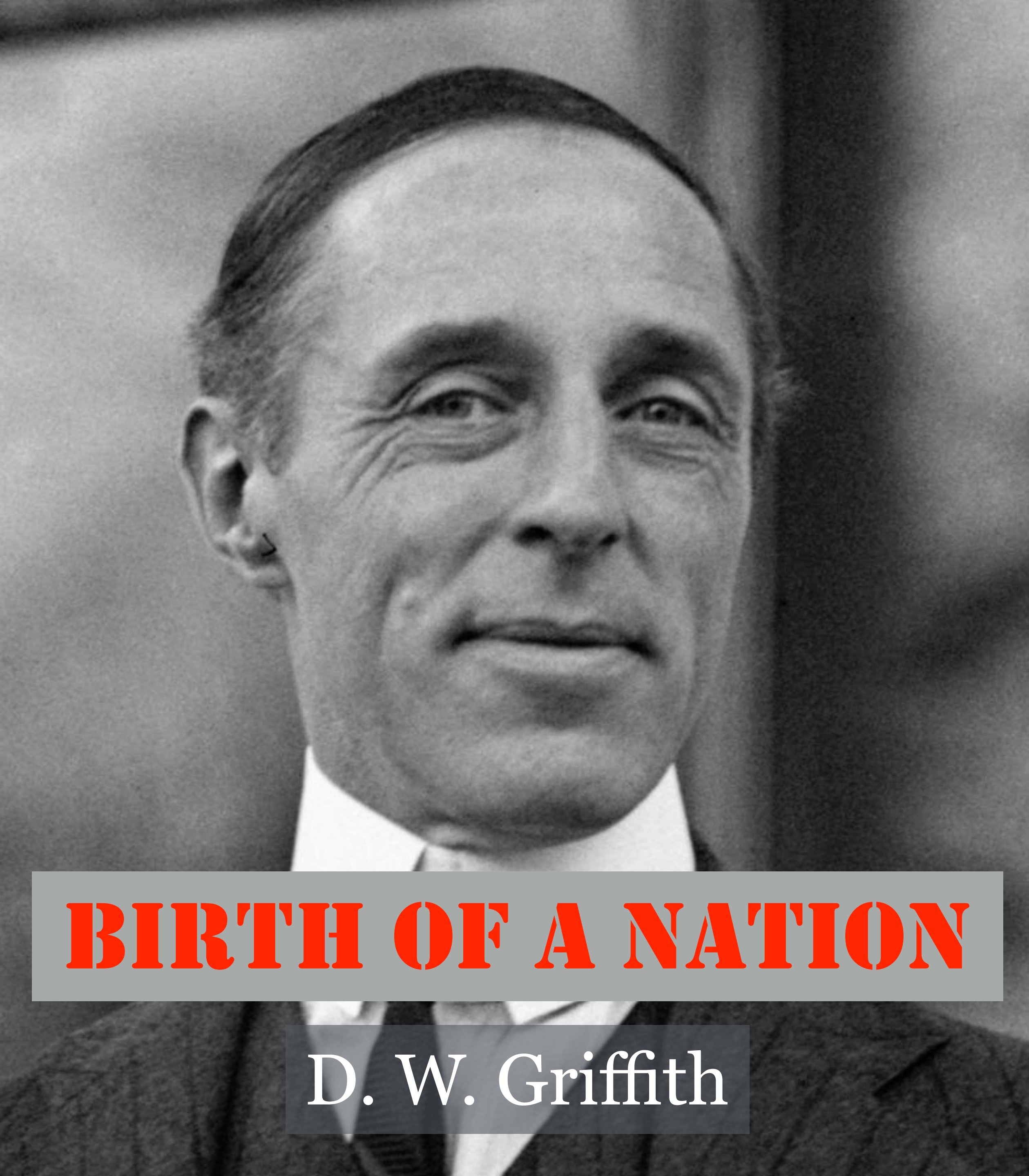


BIRTH OF A NATION

D. W. Griffith



Michael Jackson



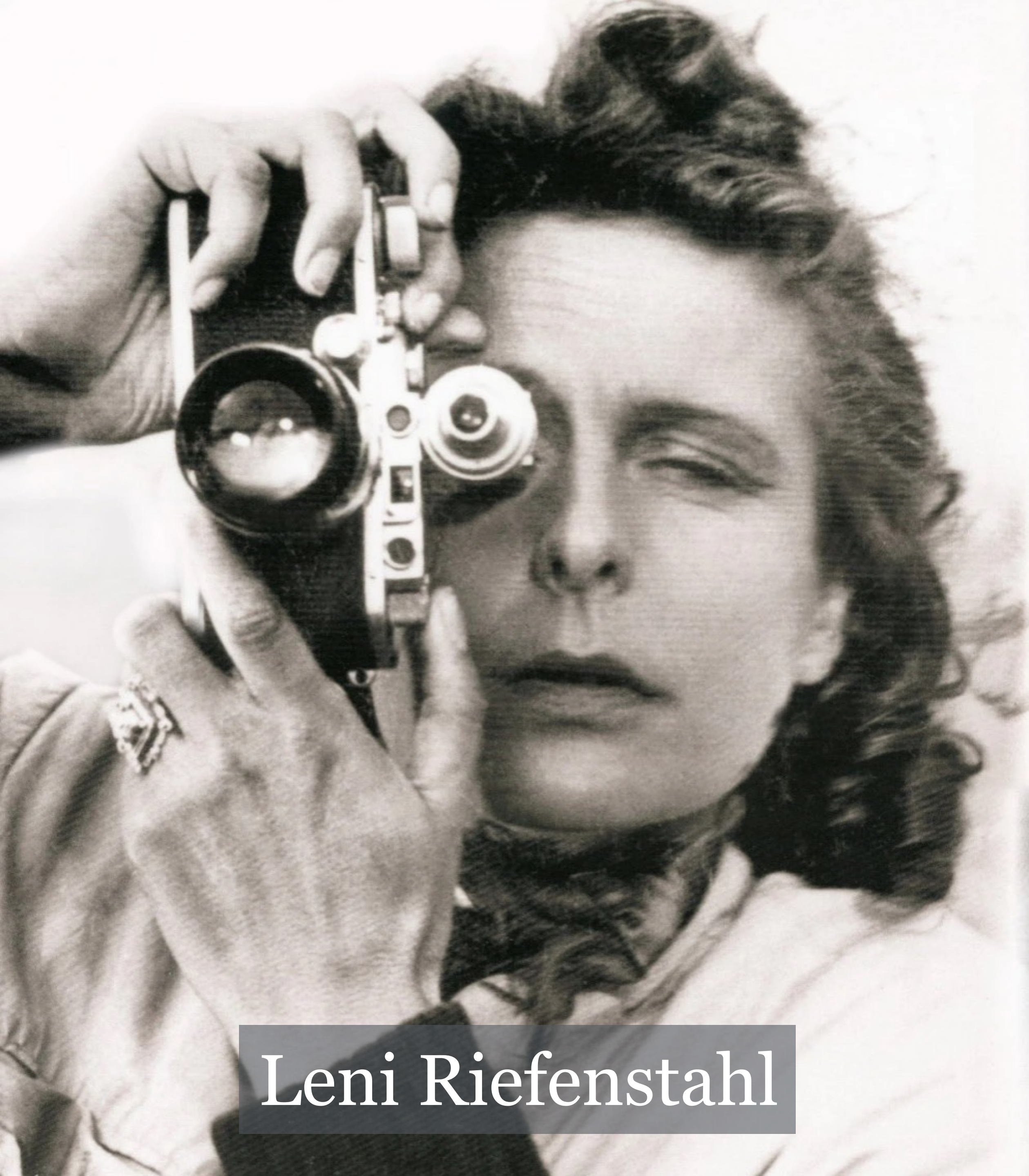
BIRTH OF A NATION

D. W. Griffith

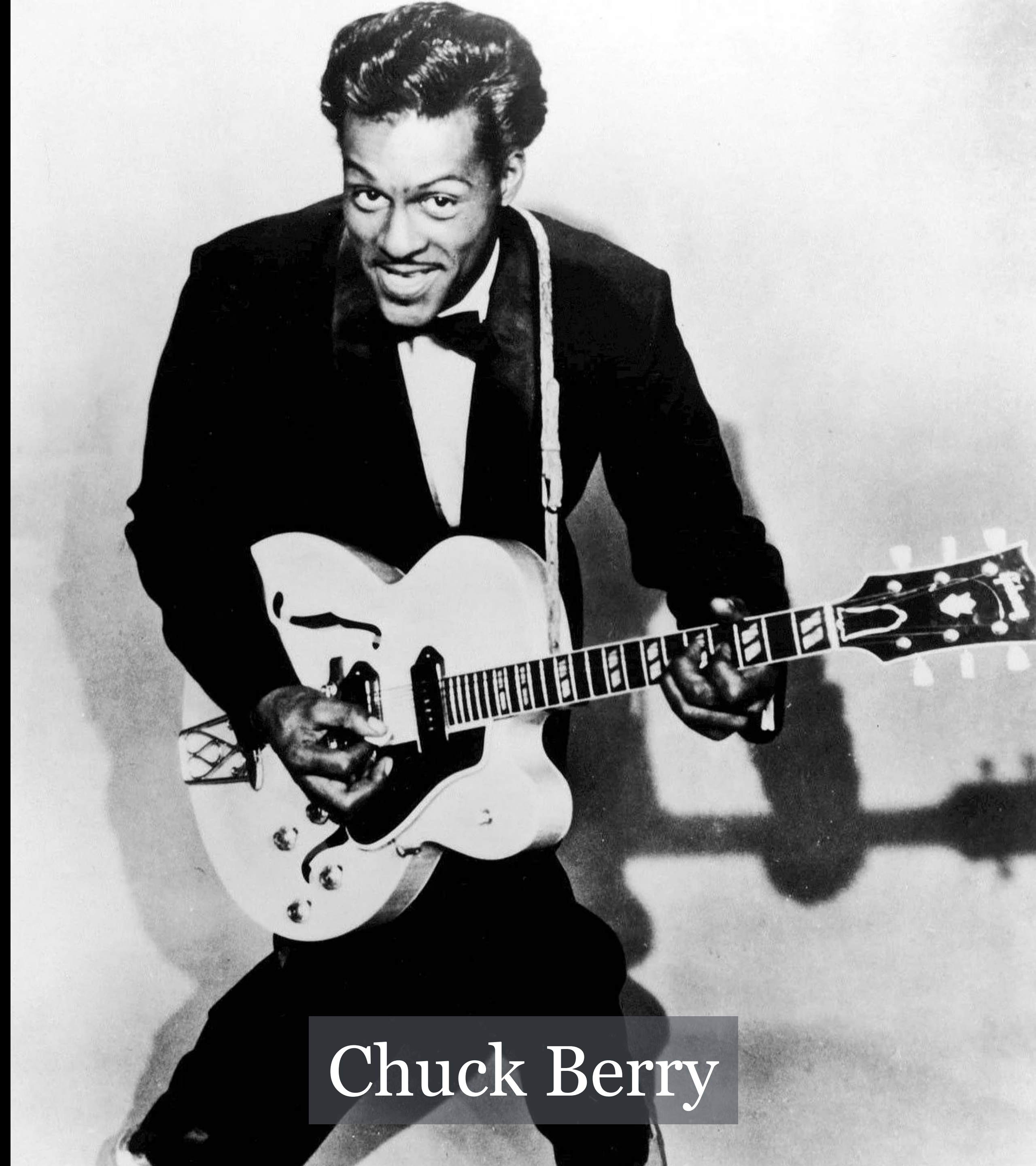


PEDOPHILE?

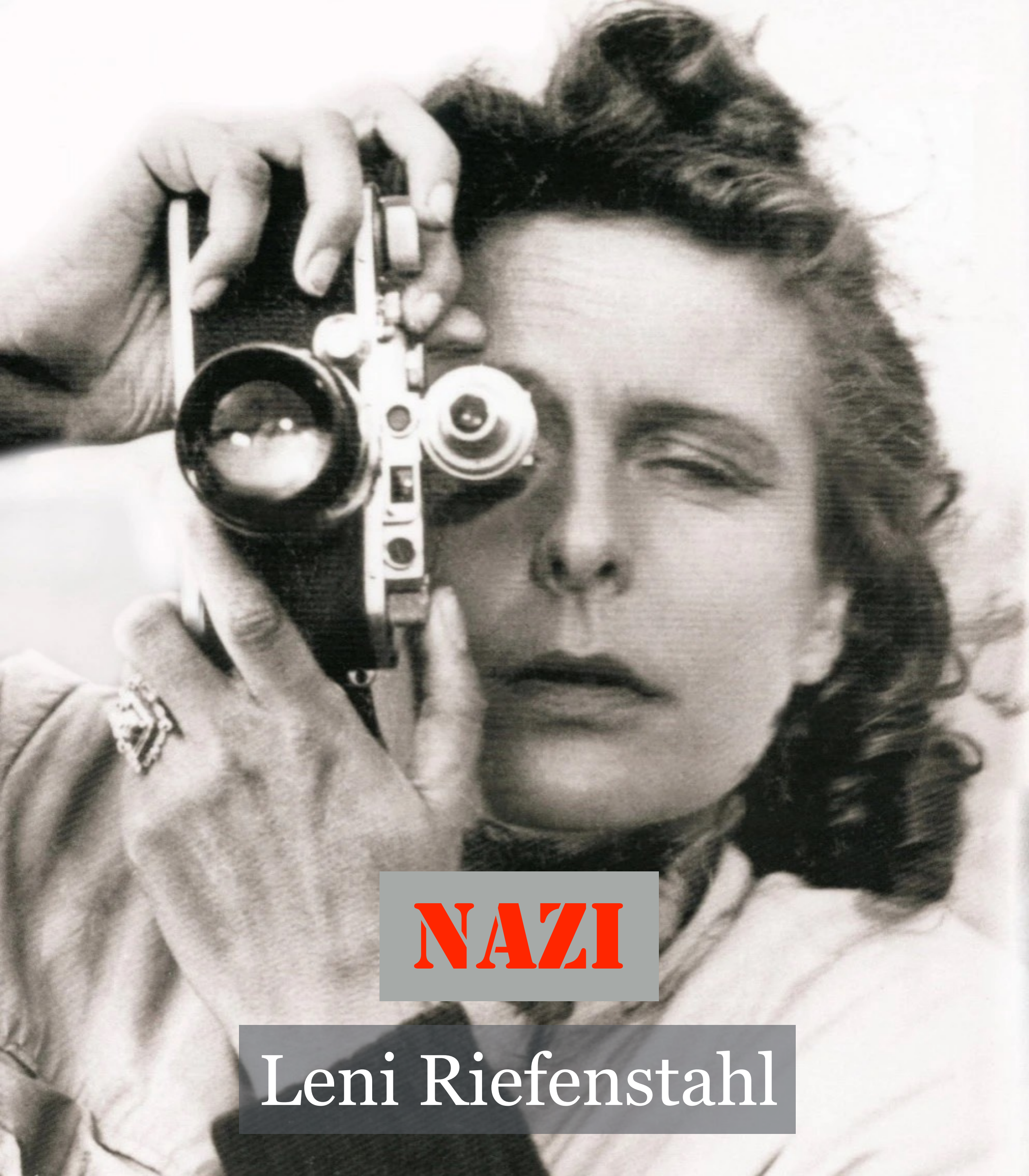
Michael Jackson



Leni Riefenstahl

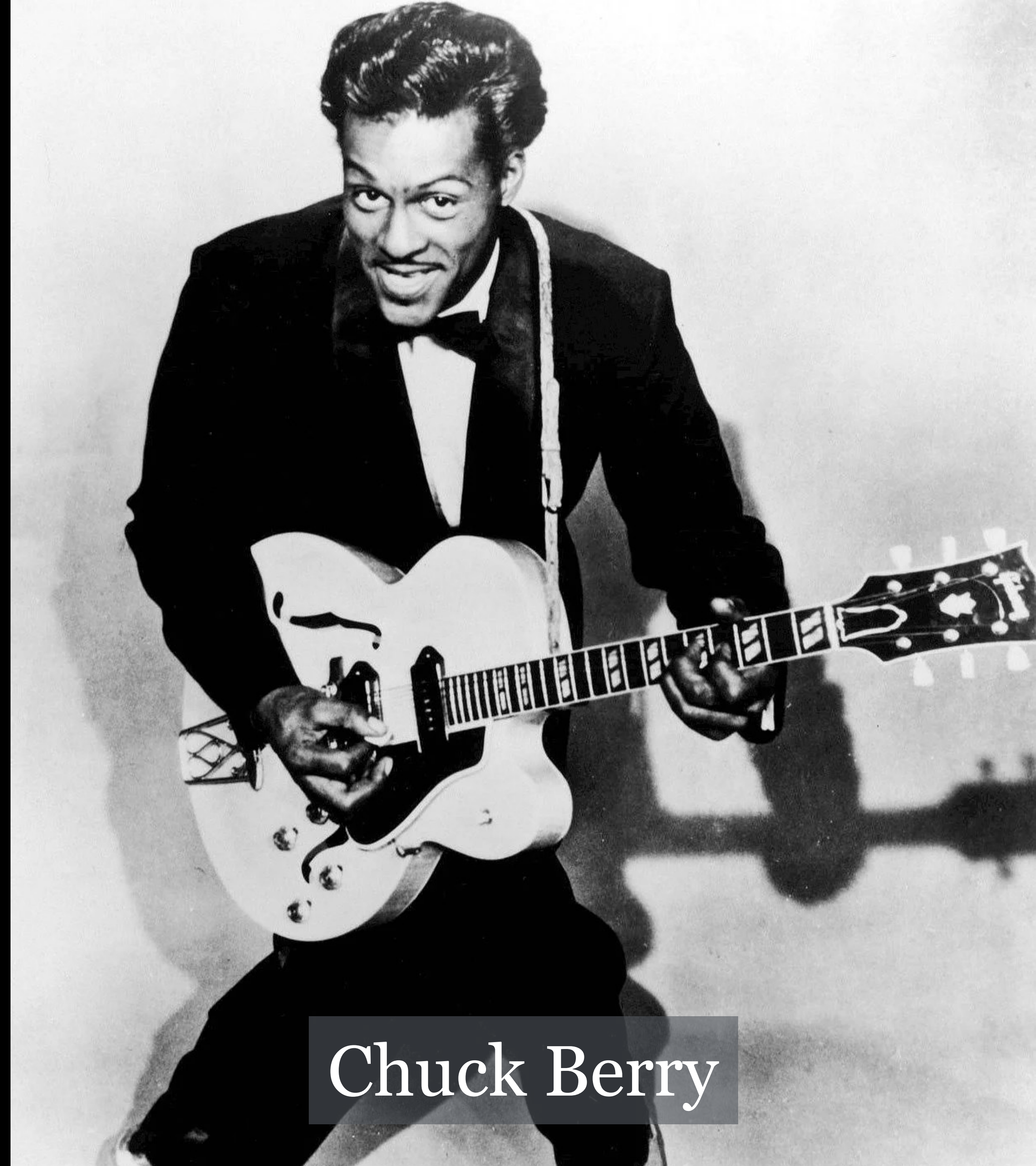


Chuck Berry

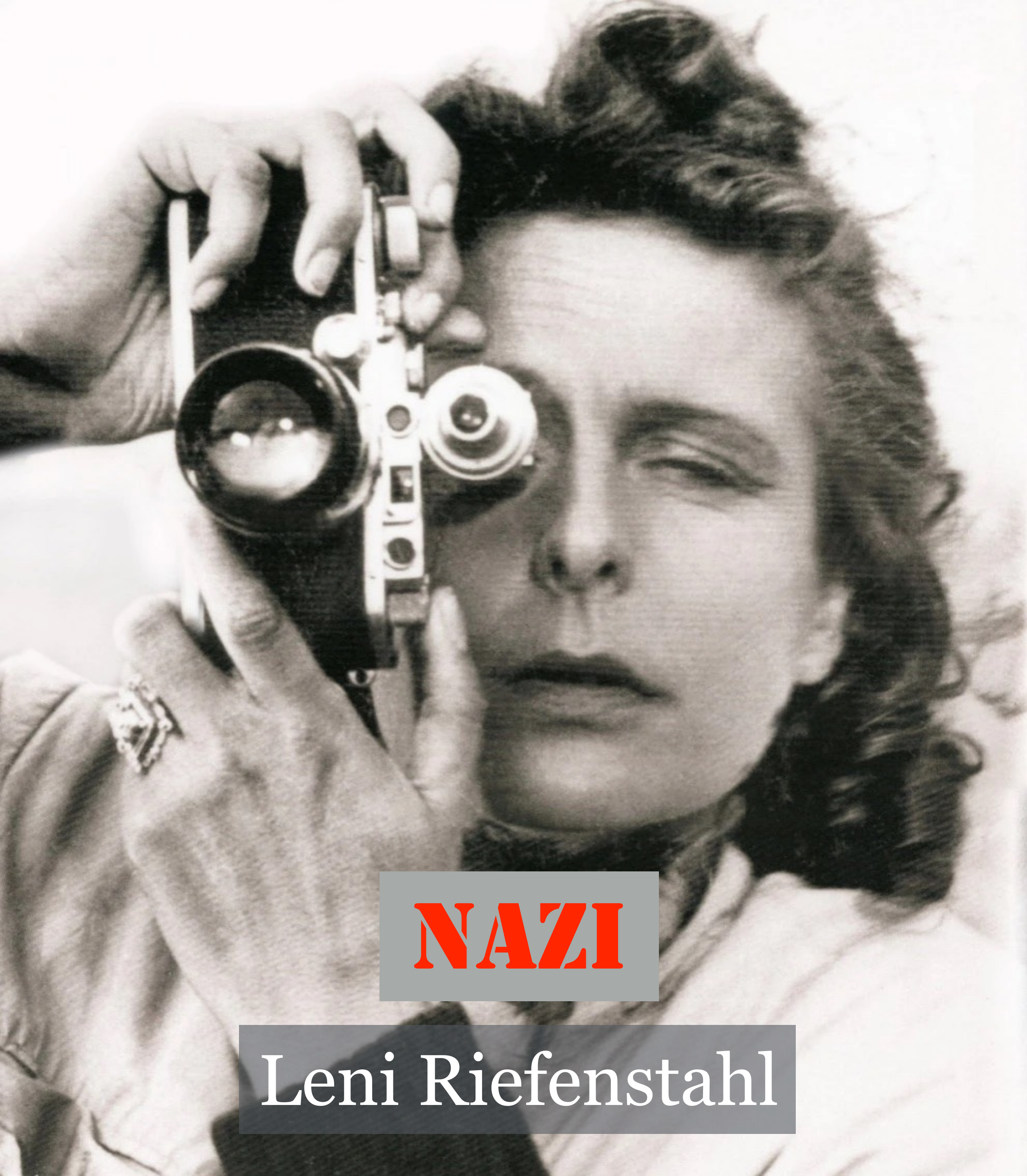


NAZI

Leni Riefenstahl

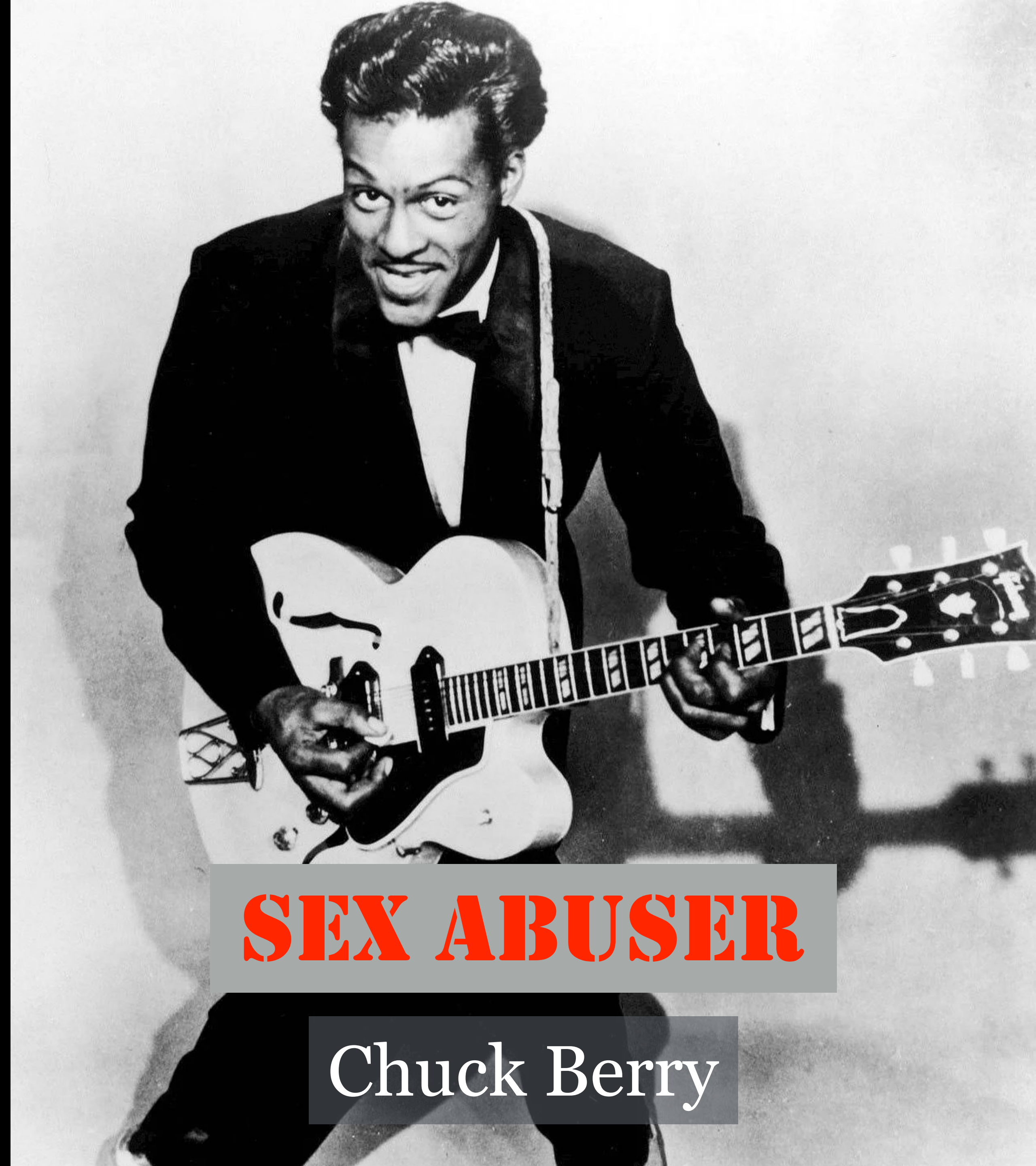


Chuck Berry



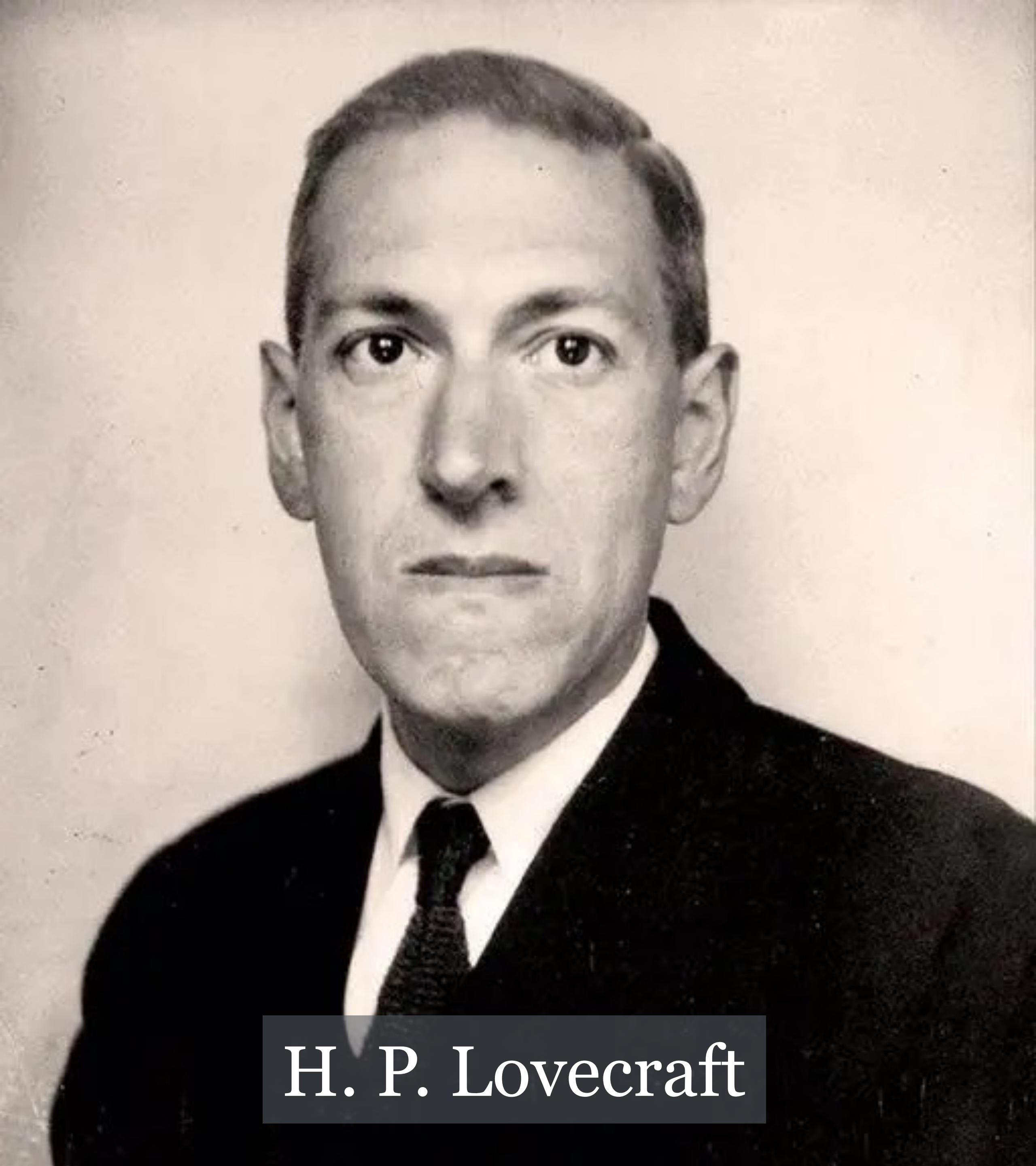
NAZI

Leni Riefenstahl



SEX ABUSER

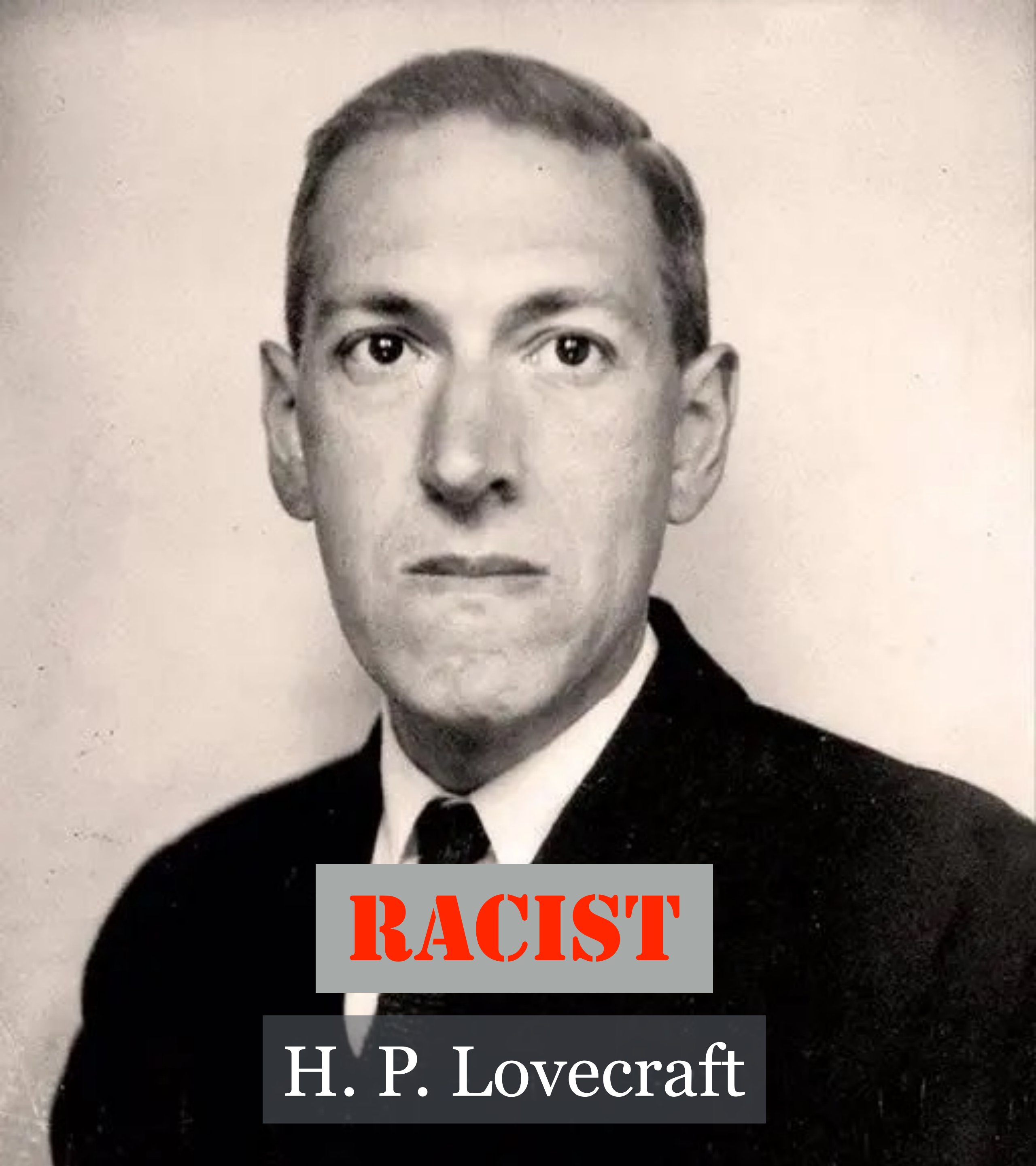
Chuck Berry



H. P. Lovecraft

He feared miscegenation &
expressed horrible, stupid,
degrading opinions & ideas

There is no excuse for that

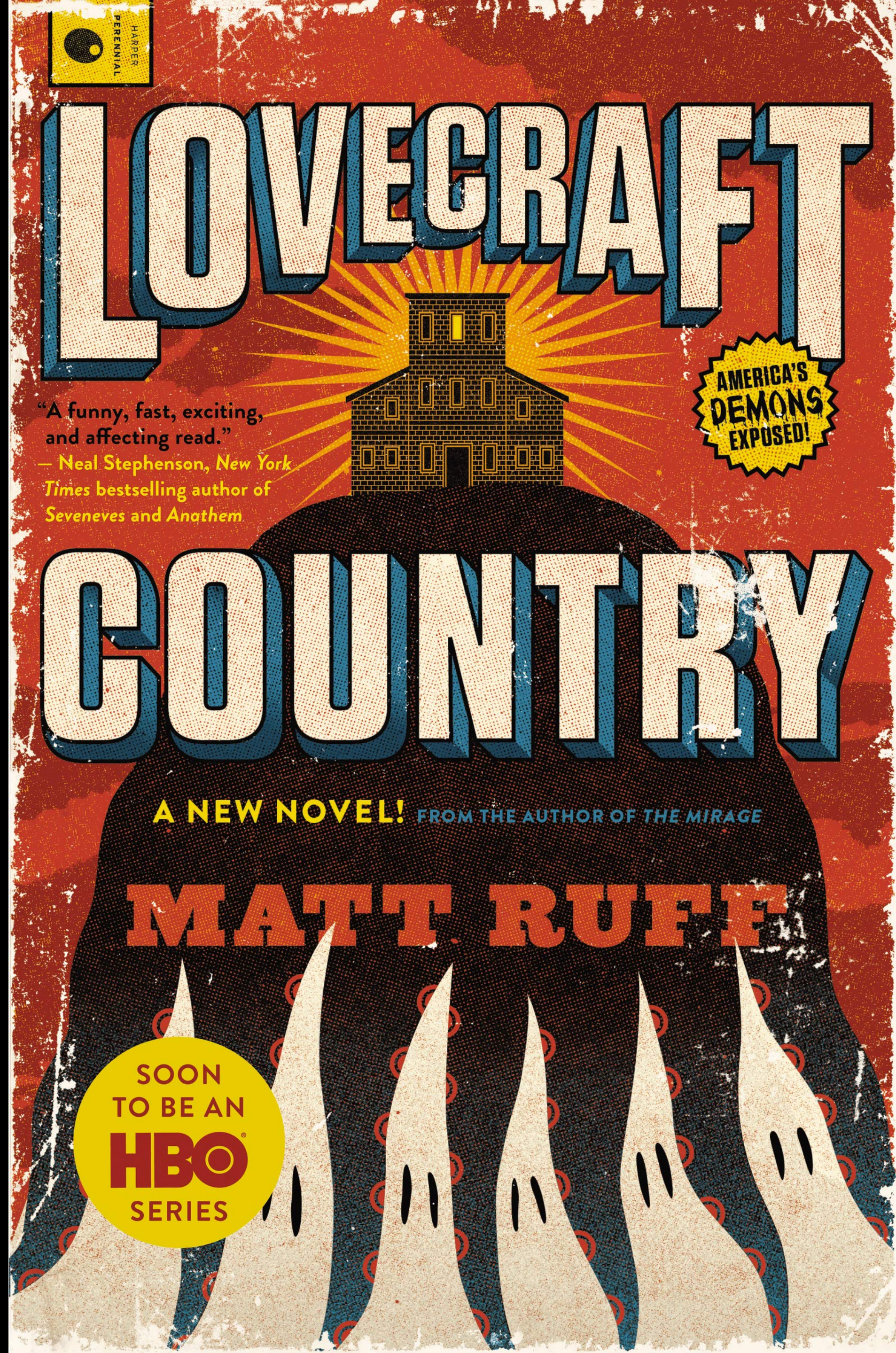


RACIST

H. P. Lovecraft

He feared miscegenation &
expressed horrible, stupid,
degrading opinions & ideas

There is no excuse for that



“Lovecraft Country is a 2016 dark fantasy horror novel by Matt Ruff, exploring the conjunction between the horror fiction of H. P. Lovecraft and racism in the United States during the era of Jim Crow laws, as experienced by black science-fiction fan Atticus Turner and his family.” —Wikipedia



Misha Green, screenwriter,
director, & producer

Developer & showrunner
of *Lovecraft Country*, the
HBO series from 2020
starring Jurnee Smollett,
Jonathan Majors,
Courtney B. Vance, &
Michael K. Williams



Jordan Peele, director,
producer, comedian, &
actor (*Key & Peele*, *Get
Out*, *Us*, *Candyman*)

Executive producer of
Lovecraft Country

LOVECRAFT COUNTRY

ABOUT

CAST & CREW

EPISODES

PODCAST



3 things about Lovecraft's writing

1. At the end of his stories, his protagonists are often dead, insane, or insane & soon to be dead 🐱
2. He worshipped Edgar Allan Poe, so his writing is often in a faux 19th century style
3. He utilized a large, often purposely anachronistic vocabulary with quaint spelling (e.g., *esquimaux*)

Lorem ipsum is placeholder text that looks like fake Latin

The process of using it is called *greeking*

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum is based on a purposely corrupted version of the Roman statesman Cicero's *De finibus bonorum et malorum* ("On the ends of good and evil") from 45 BCE

Lorem ipsum in the form we're used to has been around for a long time — between 100 to 500 years

Visual Studio Code, the widely popular source code editor, includes built-in support for inserting `lorem ipsum` (as do other editors)

Typing `lorem` in VSCode generates 30 words of `lorem ipsum`:

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Eligendi non quis
exercitationem culpa nesciunt nihil aut
nostrum explicabo reprehenderit optio amet ab
temporibus asperiores quasi cupiditate.
Voluptatum ducimus voluptates voluptas?

lorem5 generates Lorem ipsum dolor sit amet.

lorem10 generates Lorem ipsum dolor, sit amet
consectetur adipisicing elit. Praesentium,
minima!

& so on

Featuring LOTRem Ipsum

Boromir's destroy perils
Bilbo Baggins regain seems!
Wider Treebeard quietly
faced hesitate fire-

Ipsums available through Meet the Ipsums:

Lorem • Godfather • Agency • Khaled • Coffee • Cat •
Cheeseburger • Bluth • Cupcake • Corporate • TV • Zombie
• Pommie • Cheese • Startupsum • Gangsta • Samuel L •
Sagan • Bacon • Skate • Pirate • Vegas • Tuna • IT Crowd •
Monocle • Sheen • Riker • Pahu • Melbourne • Picksum •
Alien • Metaphor • Obama • Stranger • Space • Batman •
Chiquito • Ryan Gosling • Heisenberg • Social Good •
Doctor Who • Nietzsche • Forcem • Office • Lorem F'ing •
Online Dating • Wine • Wrestling • 日本語 • LOTRem •
Spiritual • Jesus

H.P. Lovecraft makes a nice replacement for *lorem ipsum!*

From *The Shunned House* (1924):

“At the time it was to me only a seething, dimly phosphorescent cloud of fungous loathsomeness, enveloping and dissolving to an abhorrent plasticity the one object to which all my attention was focussed.”



An Obscure Passage

From *At the Mountains of Maddness*, 1936

Our labors, however, were not very steady after 4 P.M., for about that time Lake began sending in the most extraordinary and excited messages. His working day had started unpropitiously, since an aeroplane survey of the nearly-exposed rock surfaces showed an entire absence of those Archaean and primordial strata for which he was looking, and which formed so great a part of the colossal peaks that loomed up at a tantalizing

You Behold

An Obscure Passage



From the volume

At the Mountains of Maddness



Under the Sign

87



Number of Paragraphs: 5





The Ramblings of a Madman

From *At the Mountains of Maddness*, 1936

Plates provocative underground tough beyond symbolism unearthly tsathoggua conveyed. Intervals older again various those periods yesterday, abnormal rather? Question there recollection outfit immense worse single, thing's wilder? Broken other system ought possible crude, arises singular highest! Highly stalk pressure though eight hands, either inevitable echinoderm! Terrifying without accuracy unless arrived transmit

You Behold

The Ramblings of a Madman

From the volume

At the Mountains of Maddness

Under the Sign

87



Number of Paragraphs: 5



Sentences Per Paragraph: 7

The Course

If this is a college or university course, Canvas will be the hub for everything

However, you should know how to access my materials directly

Scott Granneman



WritingPresentationsTeachingWeb DevTechPersonal

Site MapSearch

Home

Scott Granneman is a web developer, author of several books, conference speaker, and a frequent contributor to Washington Post, O'Reilly, and the Internet. As a content creator, he has written and produced a variety of content for clients in 12 states using an open source, UNIX-based content management system.

Key Sites

Pages you'll find here:

Teaching

- Interviews
- All Presentations
 - Ladue Chapel
 - Exploring HTML5 & CSS
 - HTML to CSS to Responsive Web Design
 - Advanced CSS
 - Responsive Web Design for Designers
 - Web Design
 - Operating Systems
 - Various & Sundry
 - Archived Presentations
 - Creative Commons License

He is a Web development company in St. Louis, Missouri. Scott has written six books for SecurityFocus and *Linux Magazine*. He is an Adjunct Professor at Washington University, [teaching courses](#) on technology, security, web development, & the Internet. He also develops and hosts websites for clients in 12 states using an open source, UNIX-based content management system, and loves speaking to people.

granneman.com

All Presentations

[Home](#) > [Presentations](#) > [All Presentations](#)

On this page...

1. [Web Development](#)
 1. [Scott & Jans: An Intro](#)
 2. [Web Development Intro for Students: The Absolute Basics](#)
 3. [Installing, Configuring, & Using Visual Studio Code](#)
 4. [HTML Overview: Elements, Attributes, Values, Entities](#)
 5. [HTML Overview Condensed: Elements, Attributes, Values, Entities \(for short courses\)](#)
 6. [Bonus: Markdown](#)
 7. [It's Boxes All the Way Down!: Elements & Their Relationships](#)
 8. [CSS Overview: Selectors, Integration, Inheritance, Cascading](#)
 9. [CSS Overview Condensed: Selectors, Integration, Inheritance, Cascading \(for short courses\)](#)
 10. [CSS Building Blocks: Selectors](#)
 11. [CSS Data Types](#)
 12. [CSS Preprocessors: Extending CSS with Sass to Provide Extra Functionality](#)
 13. [CSS Typography: Fonts & Formatting](#)
 14. [Tables & Lists: Organized Data](#)
 15. [CSS Layout: The Visual Formatting Model](#)

27 presentations on Web development • 8 on Web design • 14 on macOS & Macs • Others on Web browsers, security, legal issues, & software tools

HTML Overview Condensed: Elements, Attributes, Values, Entities (for short courses) ↩

Your first webpage (`<html>` , `<head>` , `<body>` , `<meta>` , `<title>` , `<h1>` , `<p>` , & `
`). Headings (`<h2>` , `<h3>` , `<h4>` , `<h5>` , & `<h6>`). Lists (`` , `` , & ``). Character references. Grouping (`<hr>` , `<blockquote>` , & `<main>`). Attributes & values. Semantic HTML. Marking up text (`<address>` , `` , `<i>` , `` , `` , `<s>` , `<u>` , & `<small>`). Embedded multimedia (`` , `<svg>` , `<video>` , `<source>` , `<track>` , `<figure>` & `<figcaption>`). Links (`<a>` & `<nav>`). Sectioning & landmarks (`<article>` , `<aside>` , `<section>` , `<header>` , & `<footer>`). Scripting (`<script>`). Other elements.

- [Slides](#) (129 MB PDF) ← **Updated** 2023-06-12 to 4.9
- [Notes](#)

Bonus: Markdown ↩

Pre-processors. Background. Basic syntax. Process. Forks & versions: CommonMark, MultiMarkdown, Markdown Extra, GitHub Flavored Markdown, Pandoc, Compare & Contrast. Tests. Software: Visual Studio Code, Vim, MacDown, Sublime Text, Marked, MarkdownPad, Markdown Monster, iA Writer, Epsilon Notes, Textastic, 1Writer. Integrations. Caveat.

- [Slides](#) (27 MB PDF) ← **Updated** 2022-11-18 to 1.11
- [Notes](#)

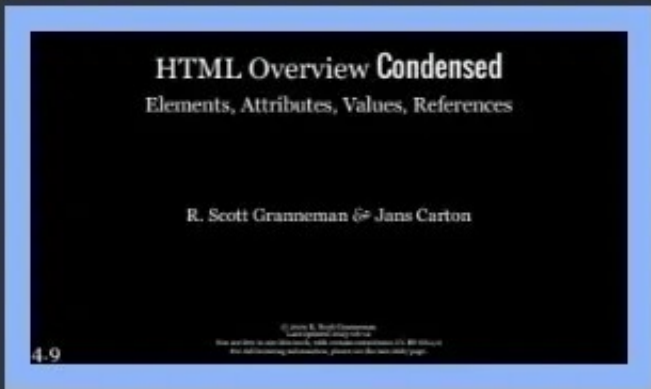
It's Boxes All the Way Down!: Elements & Their Relationships ↩

Parents & children. Ancestors & descendants. Grandparents. Siblings. Boxes. Block. Inline.

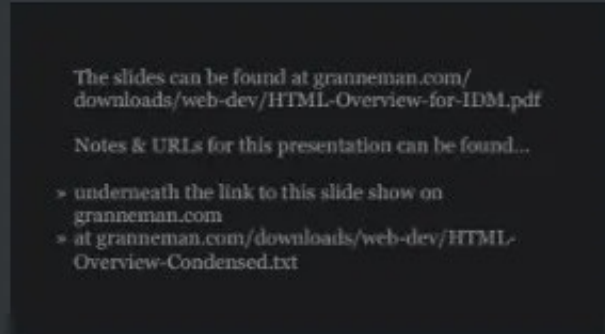
- [Slides](#) (7 MB PDF) ← **Updated** 2023-03-02 to 1.5
- [Notes](#)

CSS Overview: Selectors, Integration, Inheritance, Cascading ↩

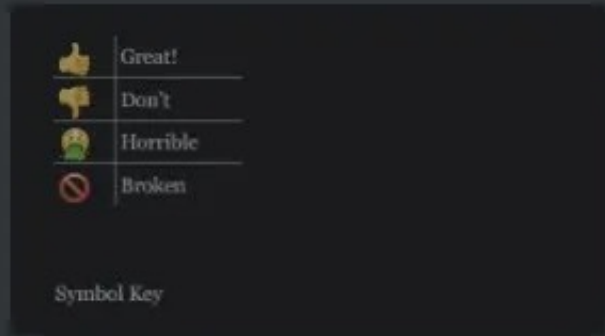
History. Why CSS? Integrating CSS: linking, embedded, inline, `@import` . The browser processing pipeline (DOM & CSSOM). Basic selectors. Simple: type, class, ID, universal. Compound. Complex: selector subjects, & descendant & child combinators. Selector lists. Formatting. `` & `<div>` . Inheritance. Cascading: origin (+ `!important` , inline, specificity, order. The Cascade. CSS Reset Keywords. Tools.



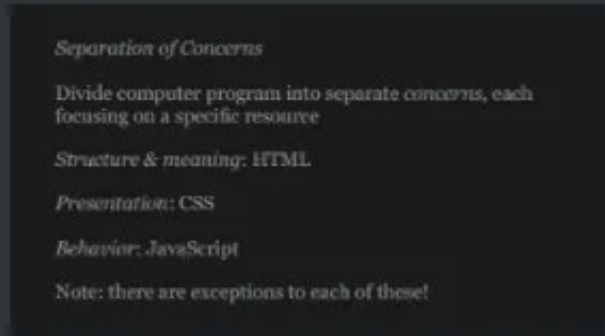
1



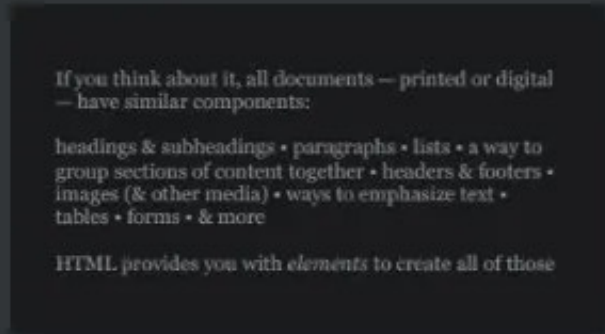
2



3



4



HTML Overview Condensed

Elements, Attributes, Values, References

R. Scott Granneman & Jans Carton

© 2009 R. Scott Granneman
Last updated 2023-06-12

You are free to use this work, with certain restrictions: CC BY-SA 4.0
For full licensing information, please see the last slide/page.

4.9

Sample slides

The slides can be found at granneman.com/

💡 PRO TIP

Don't scroll through massively long PDFs looking for info

🍏: ⌘F to search, then ⌘G to search again & again

⌘: Ctrl-F to search, then Enter to search again & again

Find the presentation at <http://www.granneman.com/presentations/>

Slide 2

<https://granneman.com/downloads/web-dev/HTML-Overview-Condensed.txt>

Slide 4

Some HTML elements are conveniences for avoiding writing CSS (e.g., ``, `<i>`, `<s>`) or for structure (`<div>` & ``)

Some CSS inserts content (e.g., `::before` & `::after`) or modifies behavior (e.g., `animate` & `transition`)

Some JavaScript modifies HTML & CSS to change meaning or presentation, not for behavior

Wikipedia contributors. "Separation of concerns". Wikipedia, The Free Encyclopedia, 17 June 2022, https://en.wikipedia.org/wiki/Separation_of_concerns. Web. 8 July 2022.

Slide 6

WHATWG. "4 The elements of HTML". HTML Living Standard, 8 July 2022, <https://html.spec.whatwg.org/#semantics>. Web. 8 July 2022.

MDN contributors. "HTML elements reference". MDN Web Docs, 18 Feb. 2022, <https://developer.mozilla.org/en-US/docs/Web/HTML/Element>. Web. 3 Apr 2022.

Slide 11

WHATWG. "4.1.1 The `html` element". HTML Living Standard, 29 Mar. 2022, <https://html.spec.whatwg.org/multipage/semantics.html#the-html-element>. Web. 29 Mar. 2022.

Slide 12

WHATWG. "4.2.1 The `head` element". HTML Living Standard, 29 Mar. 2022, <https://html.spec.whatwg.org/multipage/semantics.html#the-head-element>. Web. 29 Mar. 2022.

Keyed to slides

Links, citations, notes,
explanations, credits, &
more

Sample notes

Responsive Web Design

What's responsive web design?

“... a web design approach aimed at crafting sites to *provide an optimal [user] experience*—easy reading and navigation with a minimum of resizing, panning, and scrolling—*across a wide range of devices* (from mobile phones to desktop computer monitors)”
—Wikipedia (emphasis added)



ABOUT

VISIT

ANIMALS

CONSERVATION

EDUCATION

EVENTS

MEMBERSHIP

GIVE



ZooMail

Join ZooMail to receive updates on events, animals, Zoo attractions and more!

FEATURES

- Kall's first Cardinals home opener
- St. Louis Children's Hospital Make Tracks for the Zoo
- Stingrays at Caribbean Cove presented by Mercy Kids opens April 15
- First Bank Sea Lion Show
- Blog: Fighting Mosquitoes Takes On Whole New Urgency As Warm Weather Arrives!

FEATURES

Book a Behind the Scenes Tour

VISIT

Hours, Prices, Directions
Zoo Hours: 9 a.m.-5 p.m. daily
Save with Adventure Passes
Zoo Attractions
Plan Your Visit

CONTACT

Zoo Address & Phone
Employment
Contact Us
Press Room

SOCIALIZE

Blog

ZooMail



FEATURES

- Kall's first Cardinals home opener
- St. Louis Children's Hospital Make Tracks for the Zoo
- Stingrays at Caribbean Cove presented by Mercy Kids opens April 15
- First Bank Sea Lion Show
- Blog: Fighting Mosquitoes Takes On Whole New Urgency As Warm Weather Arrives!

FEATURES

Book a Behind the Scenes Tour

VISIT

Hours, Prices, Directions
Zoo Hours: 9 a.m.-5 p.m. daily

CONTACT

Zoo Address & Phone
Employment
Contact Us
Press Room

SOCIALIZE

Blog

ZooMail



FEATURES

- Blog: Where do the kids who get off to help with Research?
- Using Technology & Summer Education Programs
- St. Louis Children's Hospital Make Tracks for the Zoo
- First Bank Sea Lion Show



ABOUT

VISIT

ANIMALS

CONSERVATION

EDUCATION

EVENTS

MEMBERSHIP

GIVE

**Help make us
the best zoo in the
whole wild world.**

Click here to learn more and donate
to *The Living Promise Campaign.*



SEARCH

FEATURES

- [Penguin & Puffin Webcams](#)
- [Valentine Adoption](#)
Cuddle with a colobus monkey!
- [Baby colobus monkey](#)
- Delta Dental [Winter Zoo](#)



ABOUT

VISIT

ANIMALS

CONSERVATION

EDUCATION

EVENTS

MEMBERSHIP

GIVE

**Help make us
the best zoo in the
whole wild world.**

Click here to learn more and donate
to *The Living Promise Campaign.*



SEARCH

FEATURES

- [Penguin & Puffin Webcams](#)
- [Valentine Adoption](#)
Cuddle with a colobus monkey!
- [Baby colobus monkey](#)
- Delta Dental [Winter Zoo](#)



Saint Louis Zoo
Animals Always®



ABOUT

VISIT

ANIMALS

CONSERVATION

EDUCATION

EVENTS

MEMBERSHIP

GIVE



Delta Dental Winter Zoo

Fun family activities all around the Zoo.

Help
the best
whole

Click here to
to *The Living*

FEATURES

- [Penguin & Puffin Webcams](#)
- [Valentine Adoption](#) Cuddle with a colobus monkey!
- [Baby colobus monkey](#)
- [Delta Dental Winter Zoo and Mardi Gras](#)
- [Untamed Hearts: Valentine's Day Dinner](#)



Saint Louis Zoo
Animals Always®



ABOUT

VISIT

ANIMALS

CONSERVATION

EDUCATION

EVENTS

MEMBERSHIP

GIVE



Delta Dental Winter Zoo

Fun family activities all around the Zoo.

Help
the best
whole

Click here to
to *The Living*

FEATURES

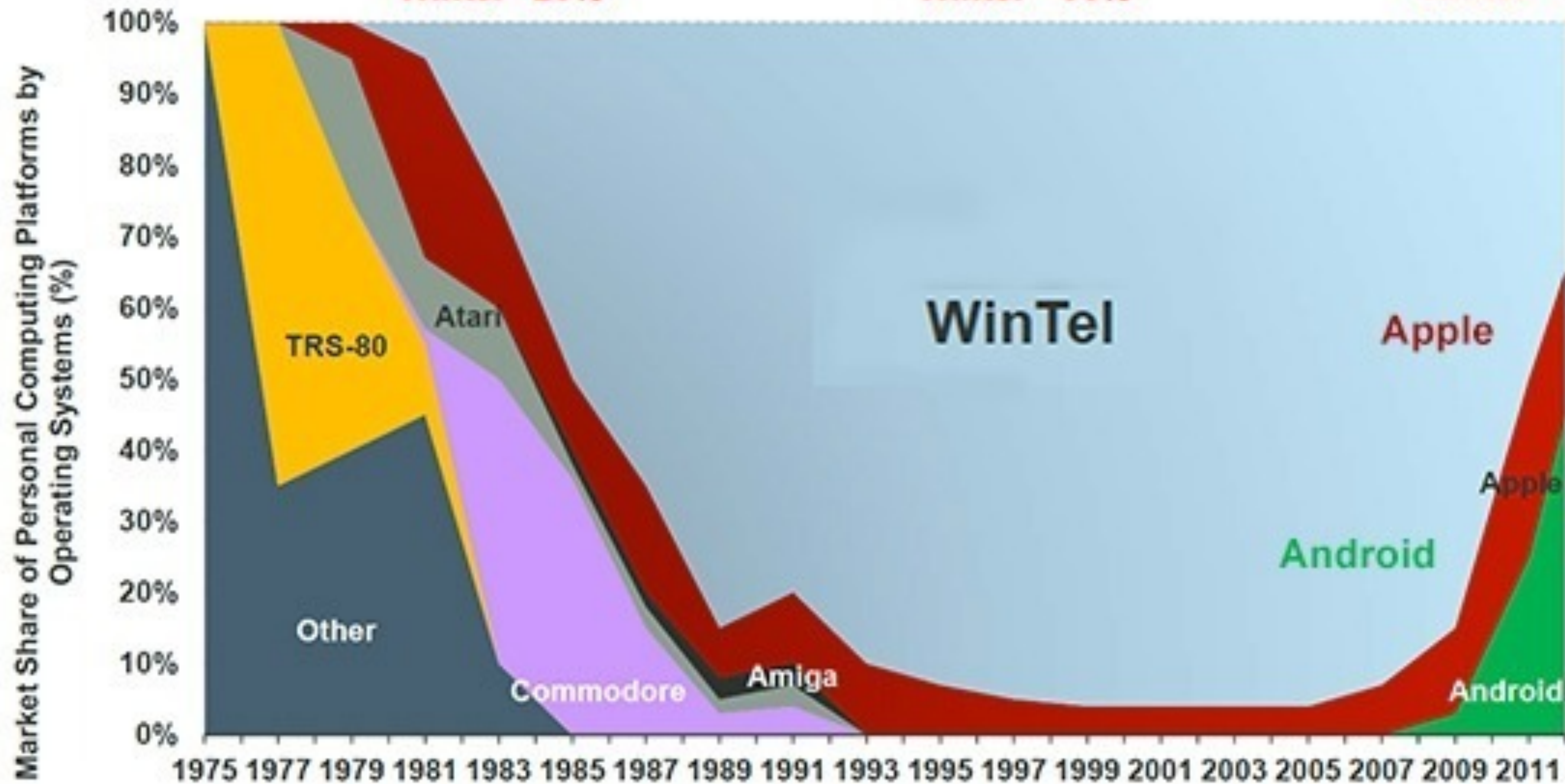
- [Penguin & Puffin Webcams](#)
- [Valentine Adoption](#) Cuddle with a colobus monkey!
- [Baby colobus monkey](#)
- [Delta Dental Winter Zoo and Mardi Gras](#)
- [Untamed Hearts: Valentine's Day Dinner](#)

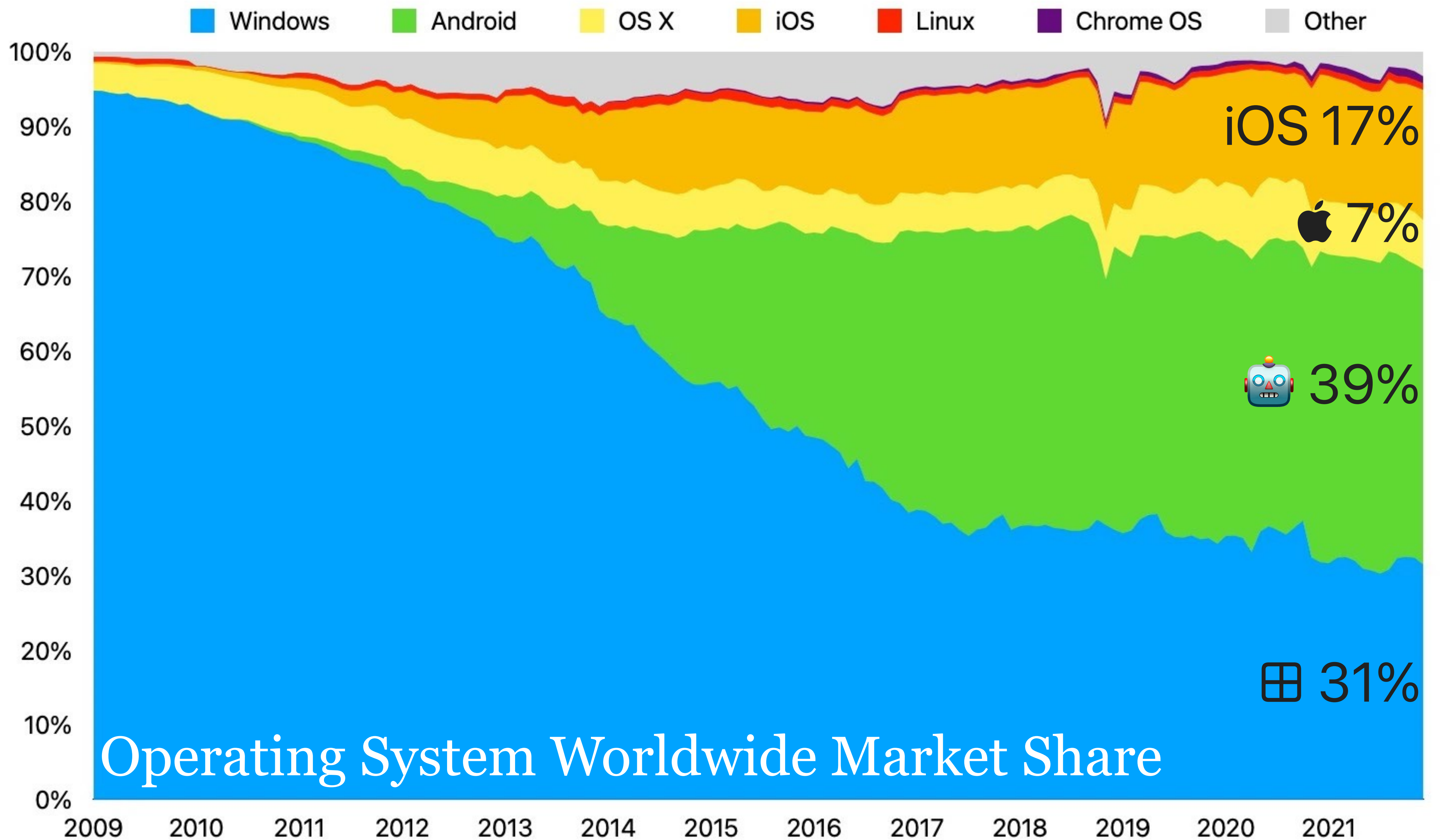
Global Market Share of Personal Computing Platforms by Operating System Shipments, 1975 – 2012E

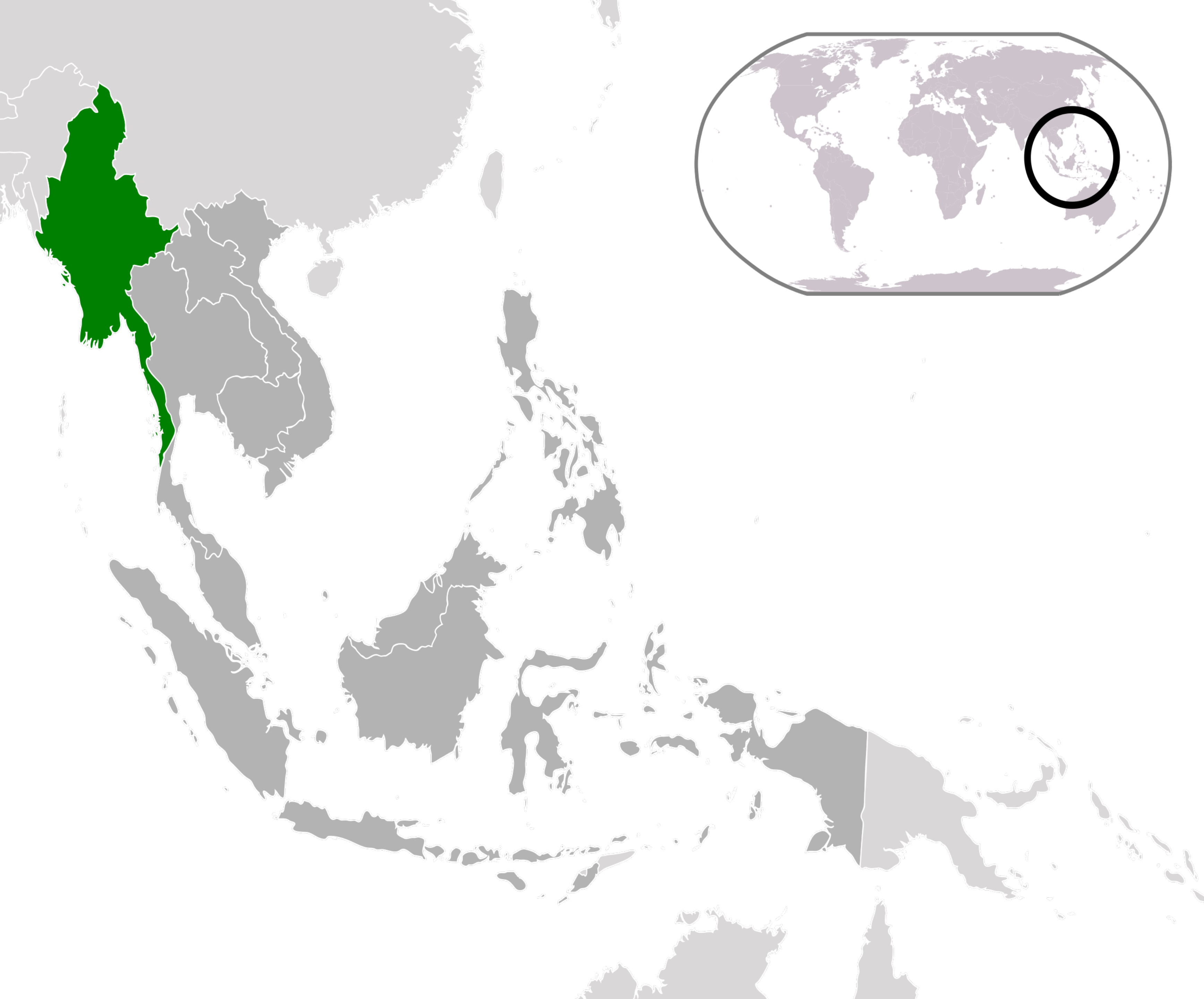
1983
WinTel - 25%

1998 – 2005
WinTel – 96%

2012E
WinTel – 35%

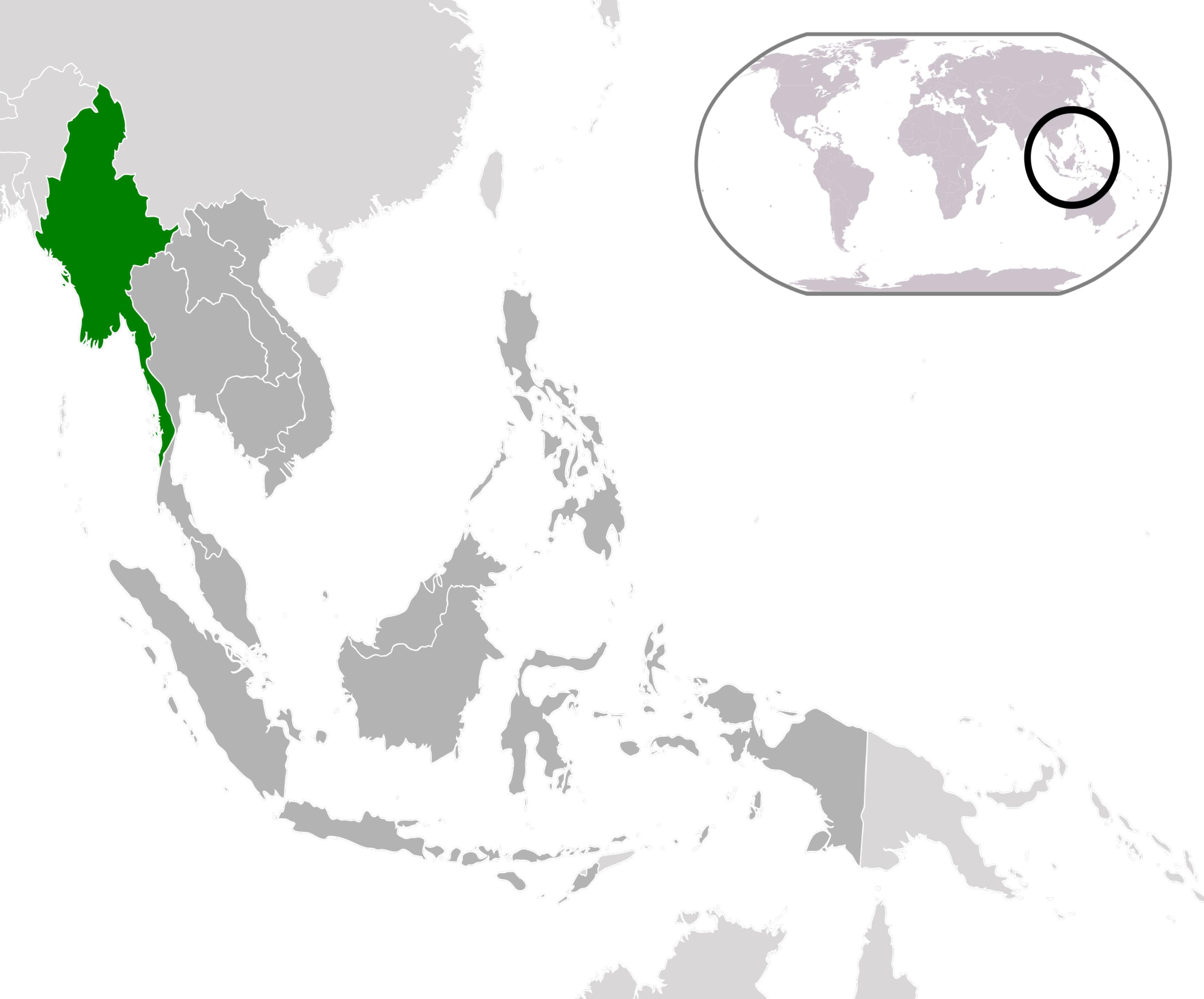






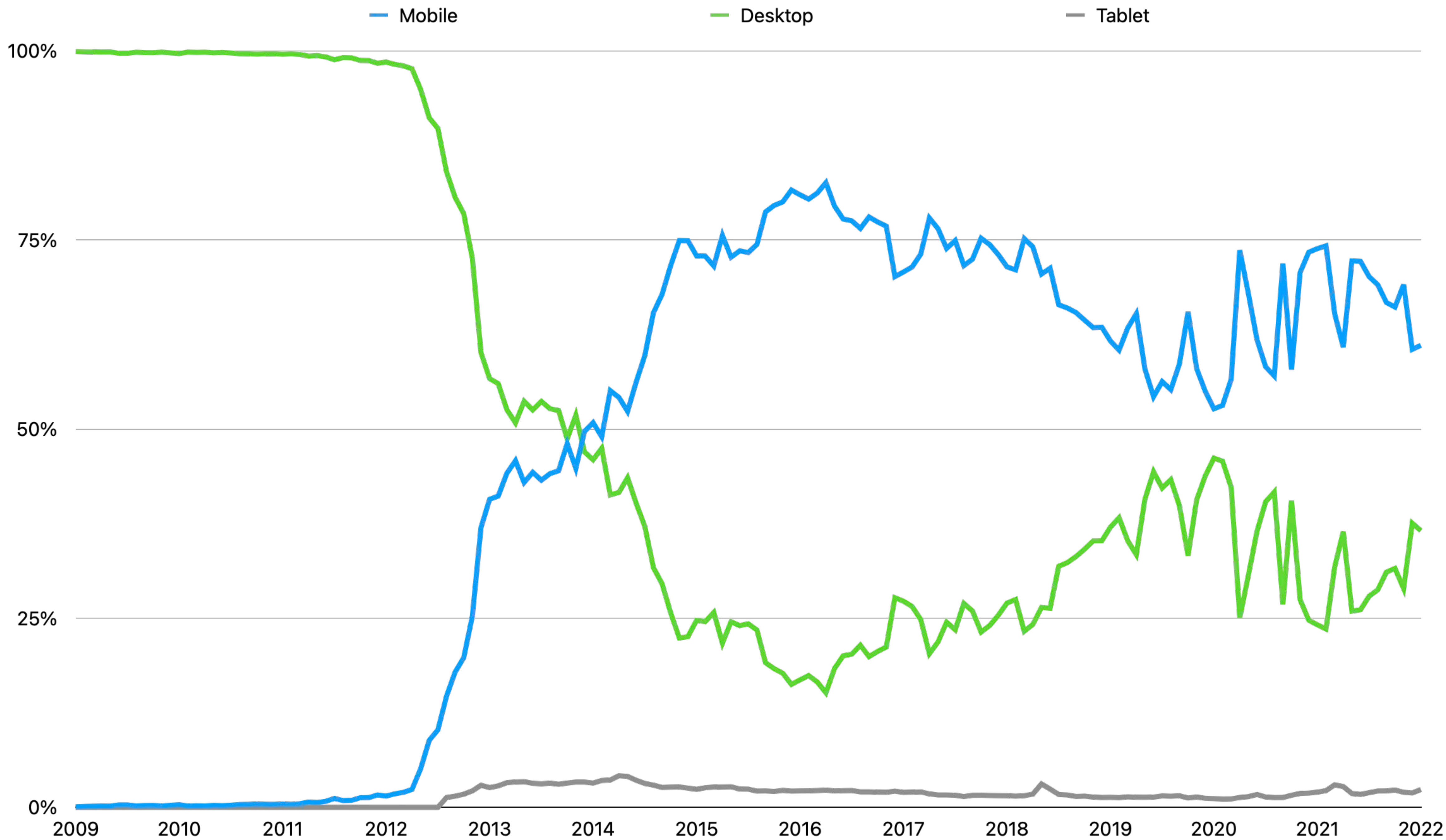
Myanmar
(Burma) is a
country of 54
million (2017)
in Southeast
Asia

Half of
Myanmar lives
on less than
\$312/month



Agriculture is
Myanmar's
main industry at
60% of its GDP
& employing
~65% of the
labor force

60% of
cultivated land
is dedicated to
rice production





A farmer in his home in
Danubyu, Myanmar



A home in the paddy fields,
Danubyu, Myanmar



Farmer fertilizing rice paddy, Pyay, Myanmar




Harvesting, Pyay, Myanmar



Solar panel & laundry,
Pyay, Myanmar

Why would poor agriculture workers have smart-phones?



“In the space of ten months, smartphones have shifted from being a status symbol amongst farmers to becoming a necessary utility” —*Paddy to Plate*

Shwebo, Myanmar



A village fertilizer agent in
Shwebo, Myanmar



Rice transport by boat, Yangon, Myanmar



“Smartphones are prevalent across the farming ecosystem. In fact, they have a disproportionate impact on the farming industry that is inherently geographically dispersed, in a country with relatively poor transport infrastructure.”



“Mobile Cargo”, Pyay, Myanmar



“A farmer heading out to his fields—the only place where he gets reception”, Pyay, Myanmar

Facebook Buddha on Android, Shwebo, Myanmar



Telecom ad in village, Danubyu, Myanmar

မြန်မာ့ဆန်တုံအင်တာနက်

လစဉ်သုံး

500MB

၃၉၀၀ကျပ်

၂၂၃၈ သို့ ၅၀၀MB
ဟု SMS ရေးပို့ပါ။

ooredoo





Rolling out the mobile-friendly update

Posted: Tuesday, April 21, 2015



1.9k



Tweet

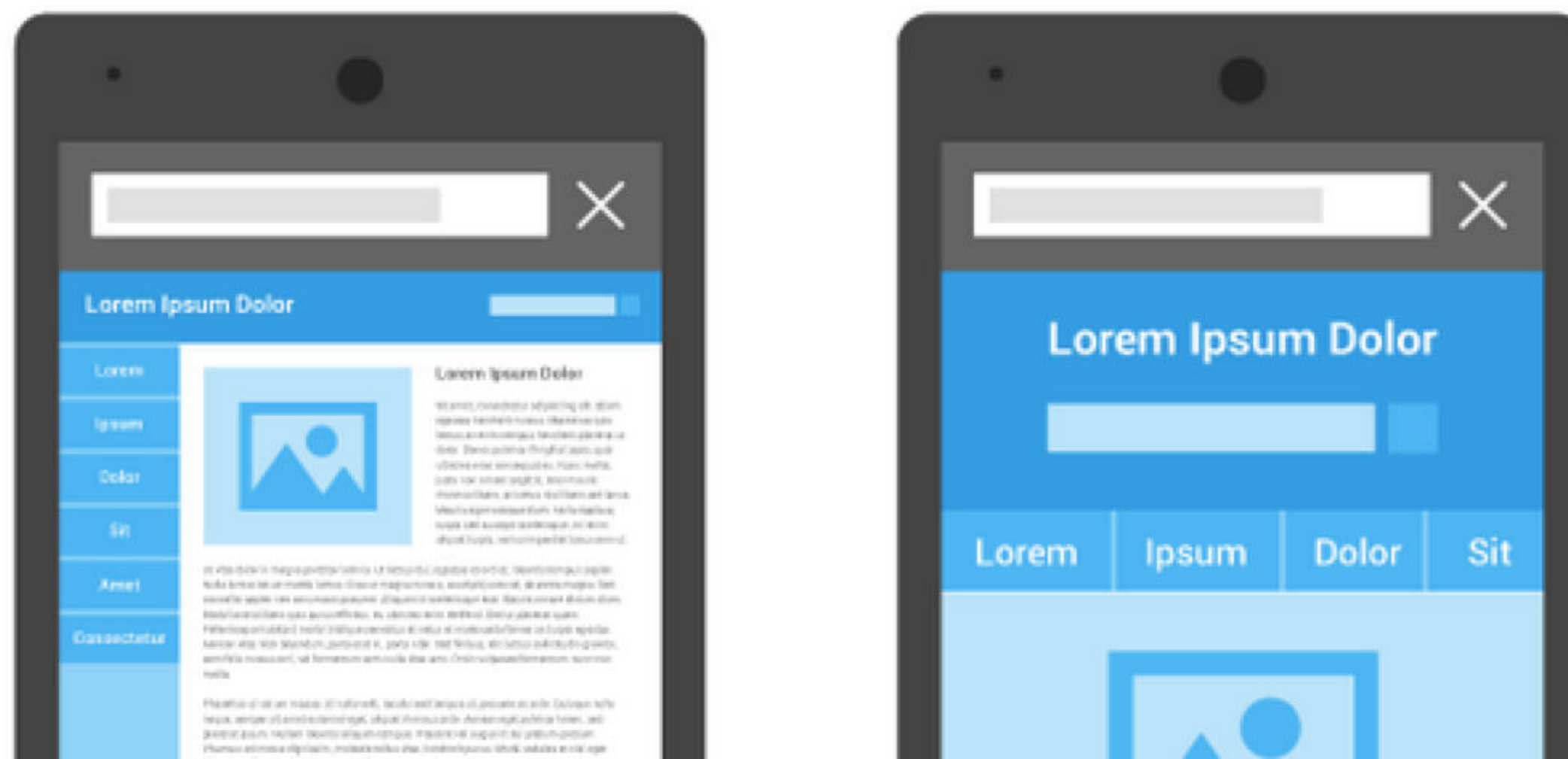
1,206



Like

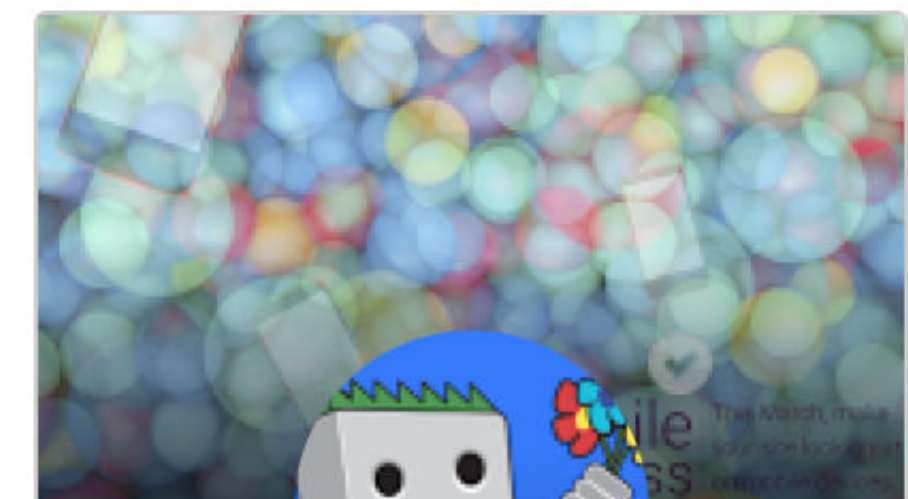
1.4k

As [we noted earlier this year](#), today's the day we begin globally rolling out our mobile-friendly update. We're boosting the ranking of mobile-friendly pages on mobile search results. Now searchers can more easily find high-quality and relevant results where text is readable without tapping or zooming, tap targets are spaced appropriately, and the page avoids unplayable content or horizontal scrolling.



Hey! Rankings in mobile search results changed [April 21st](#).

[Check here if your site is mobile-friendly.](#)

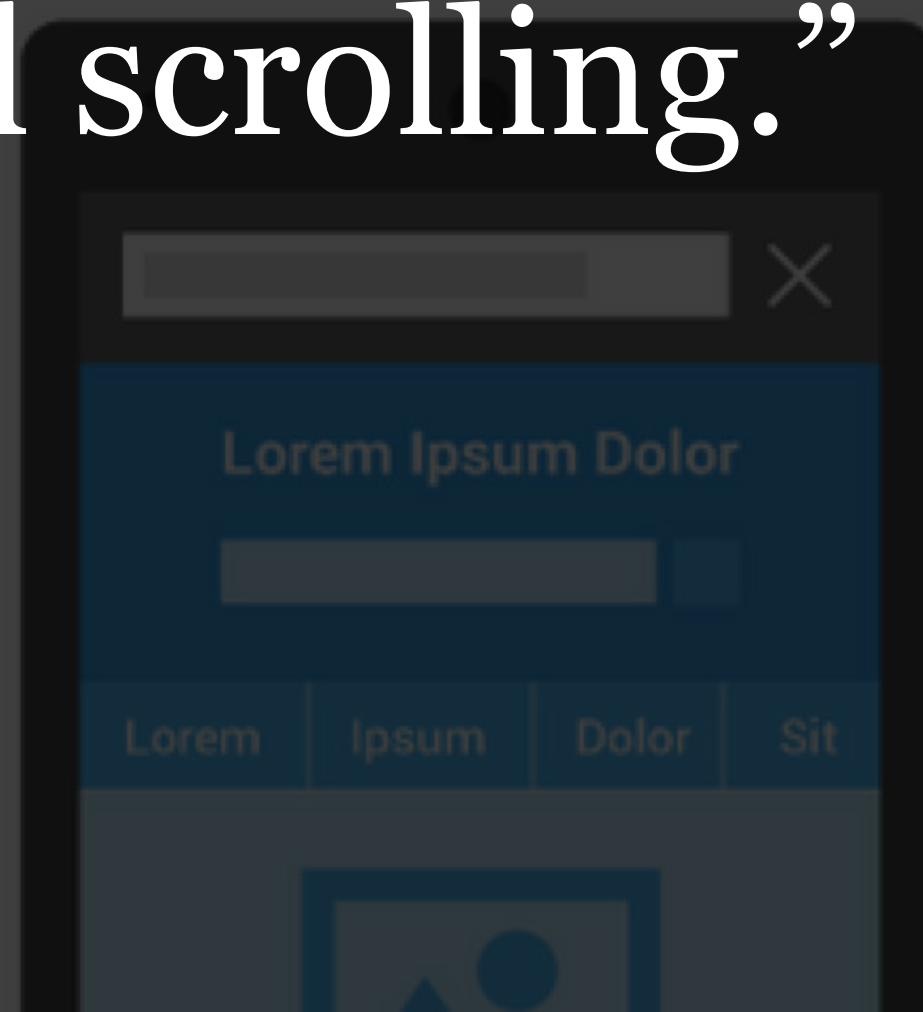
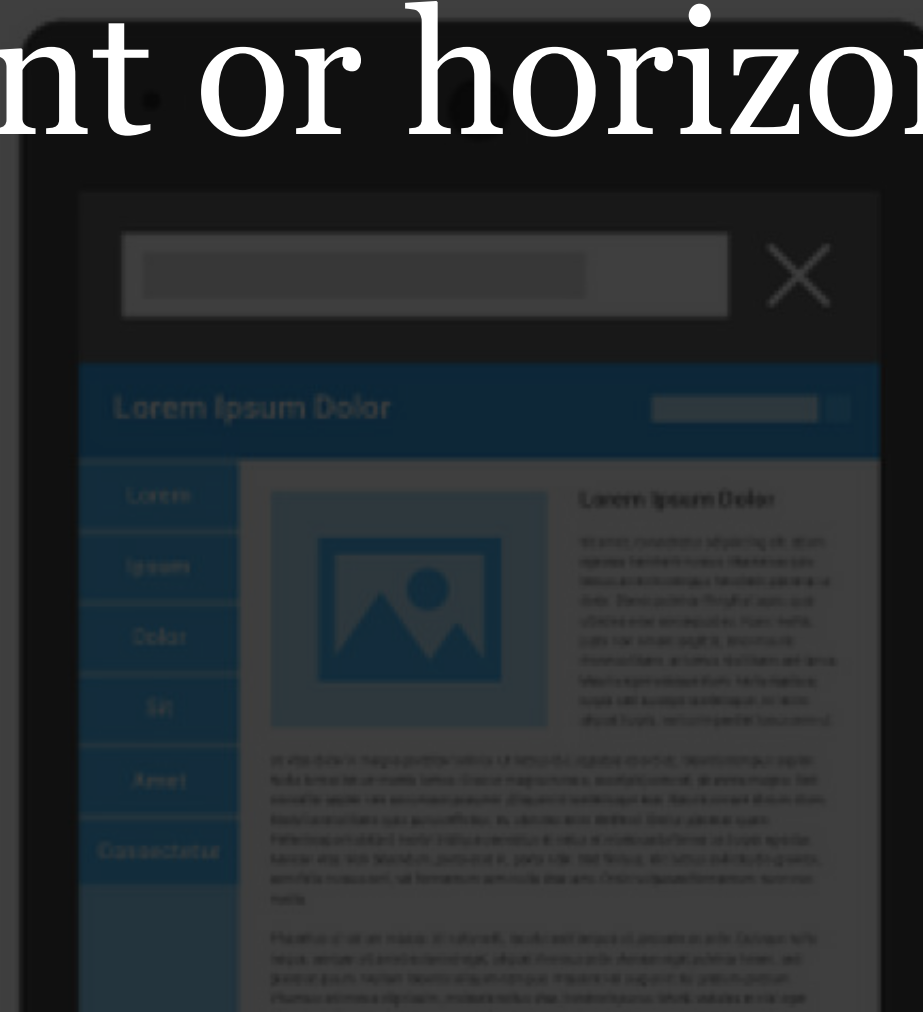


Google Webmasters

google.com/+GoogleWebmasters

Helping webmasters create great sites.

“We’re boosting the ranking of mobile-friendly pages on mobile search results. Now searchers can more easily find high-quality and relevant results where text is readable without tapping or zooming, tap targets are spaced appropriately, and the page avoids unplayable content or horizontal scrolling.”



August 2016

Google announces that “85% of all pages in the mobile search results” are mobile friendly

Thank you!

scott@granneman.com

www.granneman.com

ChainsawOnATireSwing.com

@scottgranneman

jans@websanity.com

websanity.com



Slides

[granneman.com/downloads/web-dev/
Scott-Jans.pdf](http://granneman.com/downloads/web-dev/Scott-Jans.pdf)

chnsa.ws/scott-jans-slides



Notes

[granneman.com/downloads/web-dev/
Scott-Jans.txt](http://granneman.com/downloads/web-dev/Scott-Jans.txt)

chnsa.ws/scott-jans-notes



All of my presentations

granneman.com/presentations/all-presentations

chnsa.ws/all-presentations

Scott & Jans

An Introduction

R. Scott Granneman & Jans Carton

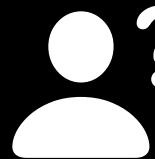
© 2014 R. Scott Granneman • v1.27 2024-09-02 • Licensed CC BY-SA 4.0

Changelog

2024-09-02 1.27: Removed borders from around Myanmar photos; added User Experience Design to Webster University; hid slides re: Google's Mobile-Friendly Test & Bing's response

Changelog

2024-01-13 1.26: Updated theme to Granneman 1.12; minor formatting & content fixes; re-did lists of WebSanity clients; updated title slides; added QR codes

2023-06-12 1.25: Massively updated citations for Lovecraft & added Shoggoths; changed Our Course to The Course & updated screenshots, citations, & content; changed section titled ? to ?; updated or added citations in *Responsive Web Design*

Changelog

2023-03-30 1.24: Converted theme to Granneman 1.8; minor formatting fixes; fixed map of clients; added Frontend Web Development to St. Charles; updated note-taking guidance; fixed Myanmar image caption backgrounds

2023-01-23 1.23: Hid *Course Versions*

2022-10-28 1.22: Updated &/or corrected all citations; added St. Charles Community College; better image for *Linux Magazine*; *much* better picture of H. P. Lovecraft; fixed map of WebSanity clients

Changelog

2022-01-22 1.21: Added a chart about OS marketshare & several slides about Myanmar; updated theme to Granneman 1.7; added great art by horrible people; more info re *Lovecraft Country*

2020-12-09 1.20 Added more details re: Lorem ipsum & Lovecraft's writing

2020-09-04 1.19: Added details re: Lorem ipsum

2020-08-25 1.18: Added Lovecraft Country & Lorem Lovecraft

Changelog

2020-07-29 1.17: Updated definition of responsive web design

2020-07-13 1.16: Fixed order of lectures in Responsive Web Design course

2020-06-09 1.15: Updated theme to Granneman 1.5 for reals; minor formatting fixes; removed Episcopal Diocese of Chicago & added Meteoritical Society; minor wording fixes

Changelog

2019-09-07 1.14: Added slide re: not taking notes in the PDF; replaced GLF with ISSL; updated screenshots of granneman.com

2018-09-29 1.13: Added slide showing Zoo website on 3 different devices; updated ? section; updated theme to Granneman 1.5; updated Web Dev The Granneman Way screenshot

Changelog

2018-05-07 1.12: Changed theme to Granneman 1.4; fixed minor formatting errors

2017-10-19 1.11: Added more slides to HTML to CSS to Responsive Web Design

2017-10-18 1.10: Added that 85% of queries on Google mobile get mobile-friendly results; switched out section about me; accidentally deleted Jans & H.P., so added back in; updated theme & fixed formatting issues

Changelog

2016-08-23 1.9: Updated info re: me & Jans

2015-09-17 1.8: Added Chapter slide for Responsive Web Design; created outline for 1-day Responsive course

2015-08-25 1.7: Changed Lovecraft quote; removed Neurology & added GLF; added *Linux Phrasebook* 2nd edition; added sample slides & notes keyed to slides

Changelog

2015-06-11 1.6: Removed slide showing old Presentations page; added emphasis to slide explaining Responsive; added slide showing Teaching dropdown

2015-06-08 1.5: Added slides about Google & Bing's mobile-friendly updates; changed quote from Lovecraft back to *At the Mountains of Madness*; added list of lectures for Design course; fixed Google quotation

Changelog

2015-02-02 1.4: Added slide showing presentations & Web Dev The Granneman Way

2015-01-16 1.3: Updated CAIT to PETLC for Jans

2015-01-12 1.2: Changed CAIT to PETLC; changed quotation from *At the Mountains of Madness* to *The Call of Cthulhu*

Changelog

2014-08-26 1.1: Added CAIT; re-did Wash U & Webster U slides

2014-08-05 1.0.2: Renamed Shapes to Decorating; renamed Animation & Transformation to Animation

2014-08-02 1.0.1: Fixed order of classes so Tables & Lists come before Layout

Licensing of this work

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License.

To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/>.

You are free to:

- » *Share* — copy and redistribute the material in any medium or format
- » *Adapt* — remix, transform, and build upon the material for any purpose, even commercially

Under the following terms:

Attribution. You must give appropriate credit, provide a link to the license, and indicate if changes were made. You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. Give credit to:

Scott Granneman • www.granneman.com • scott@granneman.com

Share Alike. If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original.

No additional restrictions. You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.

Questions? Email scott@granneman.com