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"Nobelist Physicist,  
teacher,  
storyteller,  
bongo player"  
1918 - 1988

# RICHARD FEYNMAN



MARIA FRANCESCA BENASSI



Richard P. Feyn

# GIOVINEZZA

02

FAR ROCKAWAY, New York

**"QUELLO CHE  
NON RIESCO A CREARE,  
NON LO SAPRÒ  
MAI CAPIRE"**

**RICHARD PHILLIPS FEYNMAN**

# SCIENZA - MAGIA

## DIAGRAMMI DI FEYNMAN E INTEGRALI DI FEYNMAN

"balestra in un mondo in cui tutti erano armati di arco e frecce"

## GIOCHI DI MAGIA

"senza farmi vedere immergevo le mani nell'acqua, e poi nella benzina. Poi "per sbaglio" mi avvicinavo al becco Bunsen e una mano mi s'incendiava ... la benzina bruciava molto in fretta e l'acqua mi isolava dal calore ... I ragazzini s'impaurivano, scappavano via, e così si concludeva lo spettacolo"

## RADIO



# PERCORSO UNIVERSITARIO

- MIT, Massachusetts Institute of Technology Boston
- Philosophy Doctor, PhD, Princeton University



**L'ipnosi mi è parsa un'esperienza molto illuminante. Spesso quando pensiamo che potremmo fare una determinata cosa ma che non vogliamo, in realtà stiamo solo dicendo, con altre parole, che non ne siamo capaci.  
(p. 65 "Sta scherzando, Mr. Feynman!" )**

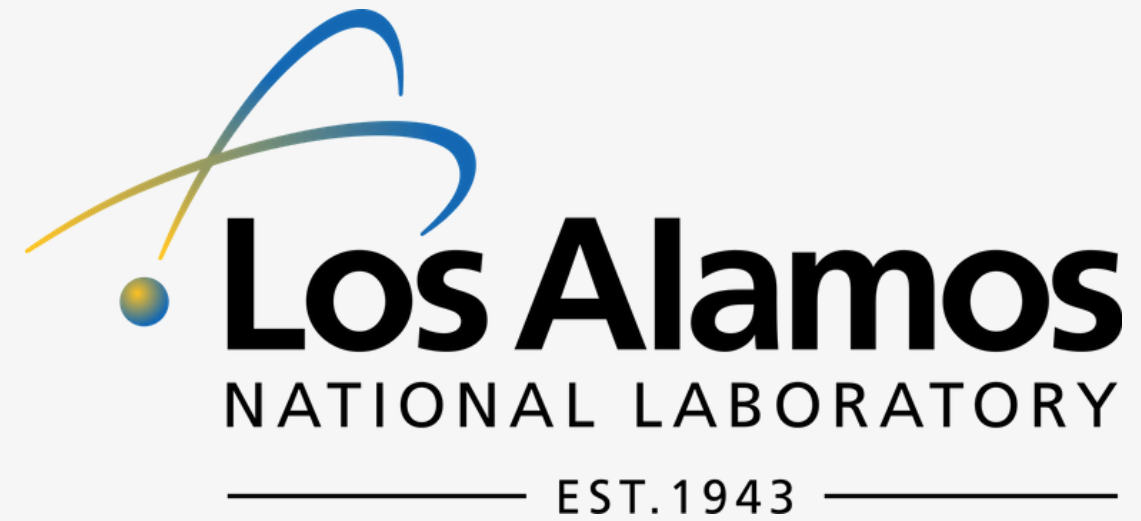


*La tesi di dottorato di Feynman è all'origine del suo lavoro sull'elettrodinamica quantistica, quella "strana teoria della luce e della materia" che occuperà otto anni della sua vita, e che gli varrà il premio Nobel nel 1965.*

*"I matematici possono dimostrare solo teoremi banali perché ogni teorema che viene dimostrato è necessariamente banale"*

# QED

QUANTUM ELECTRODYNAMICS



Los Alamos National Laboratory (LANL)

# PROGETTO MANHATTAN

Dopo gli attacchi di Pearl Harbor durante la seconda guerra mondiale, Feynman viene selezionato per partecipare al progetto Manhattan.

Lì lavora come parte della squadra di Oppenheimer per sviluppare le prime armi nucleari.



**“Il primo principio è che non devi prendere in giro te stesso e tu sei la persona più facile da prendere in giro”**

# TEACHER

- Cornell University
- California Institute of Technology



# NOBEL 1965







# ...NON SOLO FISICA

"Stava per iniziare il Carnevale, periodo in cui vengono presentati i nuovi brani ... il portinaio faceva il compositore per una piccola scuola di samba della spiaggia di Copacabana ... sembrava fatta apposta per me, e il portinaio mi invitò a far parte dell'orchestra. I musicisti venivano quasi tutti dalle favelas ... come strumento scelsi la *frigideira*, una specie di padella larga venti centimetri che si suona con un'asciella metallica ..."



# A BORDO DEL QUANTUM

THE FEYNMANN VAN  
DODGE TRADESMAN MAXIVAN



# THE SHUTTLE EXPLODES

## 6 IN CREW AND HIGH-SCHOOL TEACHER ARE KILLED 74 SECONDS AFTER LIFTOFF



**11:39:13 A.M.** **11:39:17 A.M.**

**Thousands Watch A Rain of Debris**

By **WILLIAM J. BRADEN**

CAPE CANAVERAL, Fla., Jan. 28 — The space shuttle Challenger exploded in a fit of rage shortly after a jet of scorching gas hit it, and six crew members on board were lost.

The scene unfolded in the history of the American space program as an estimated 100 million spectators watched in wonder, then horror, as the ship flew upon high in the air.

Flaming debris rained down on the launch pad for at least 10 minutes after the explosion, which occurred just after 11:39 A.M. It took some hours from reaching the area when the craft would have fallen into the sea, where it would disintegrate.

It seemed impossible that anyone could have found through the wreckage, explosion in time in the sky, and officials said this afternoon that there was no evidence to indicate that the five that had two weeks ahead had survived.

**No One Is Yet in Danger**

There were no signs at the Cape of the area that the space agency ordered its employees to evacuate its glassware, and said it was responding to all shuttle flights and fully aware of the shuttle's condition. Officials discussed speculation that the shuttle could be kept in orbit or an orbital reentry after the shuttle's 25th mission, which was scheduled for the end of the year but which had been canceled.

Officials who had gathered to the site of the shuttle were watching the shuttle launch and were shocked to see the shuttle explode. The shuttle's main engines had shut off in flight. However, Rogers extended the Shuttle's 25th mission. He had been scheduled for flight, following completion of the shuttle's 25th mission but which had been canceled.

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**From the Beginning to the End**

The shuttle Challenger was launched about 11:39 a.m. on Wednesday, Jan. 28, 1986, from the launch pad at Cape Canaveral, Fla. The shuttle was launched on the 25th mission, STS-51-L.

**Public Affairs Officer**

Looking up at the launch pad as the shuttle ascended, many people and cameras were pointed at the shuttle. The shuttle was launched on the 25th mission, STS-51-L.

**How Could It Happen? Fuel Tank Leak Feared**

By **WILLIAM J. BRADEN**

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# CHALLENGER

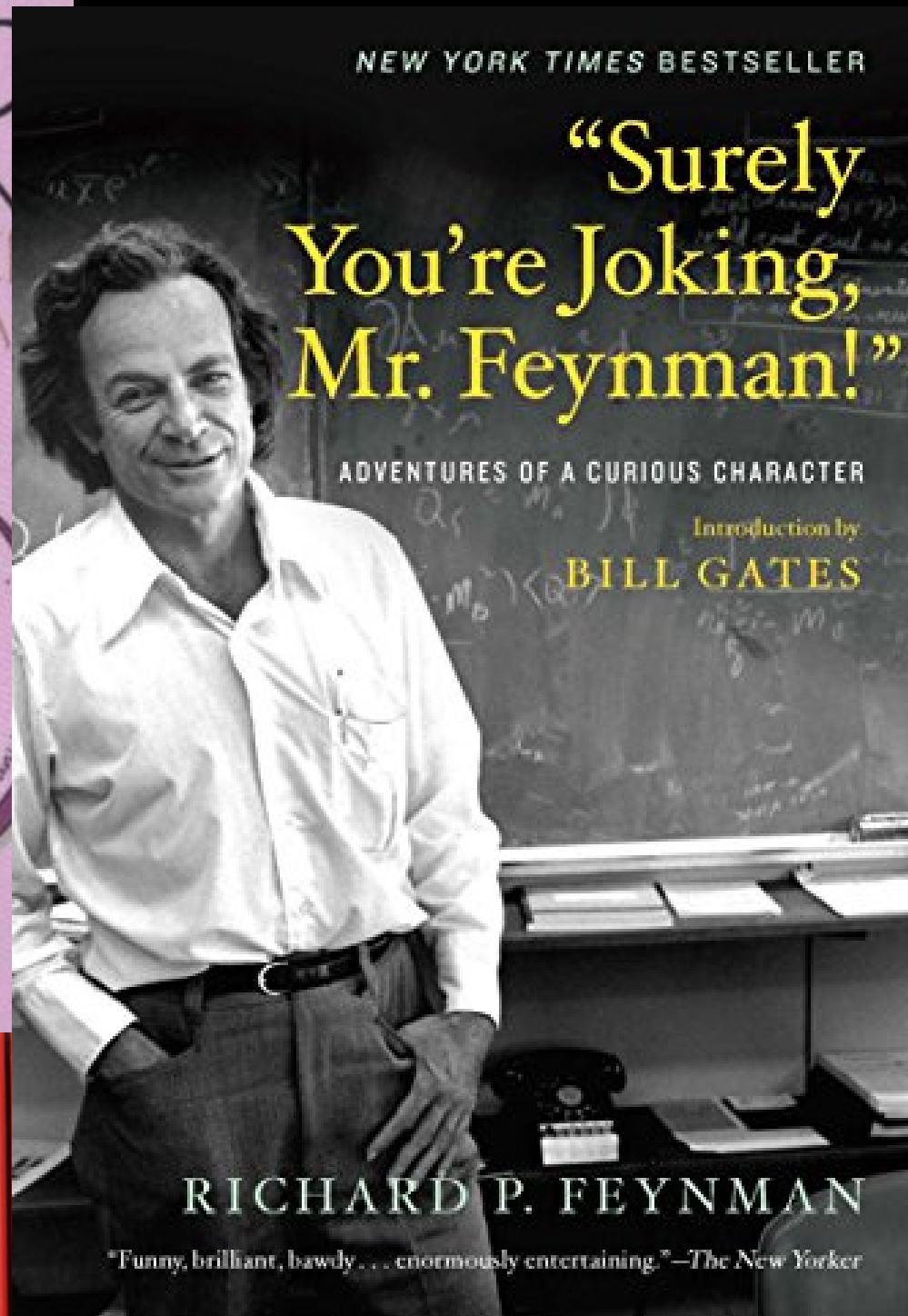
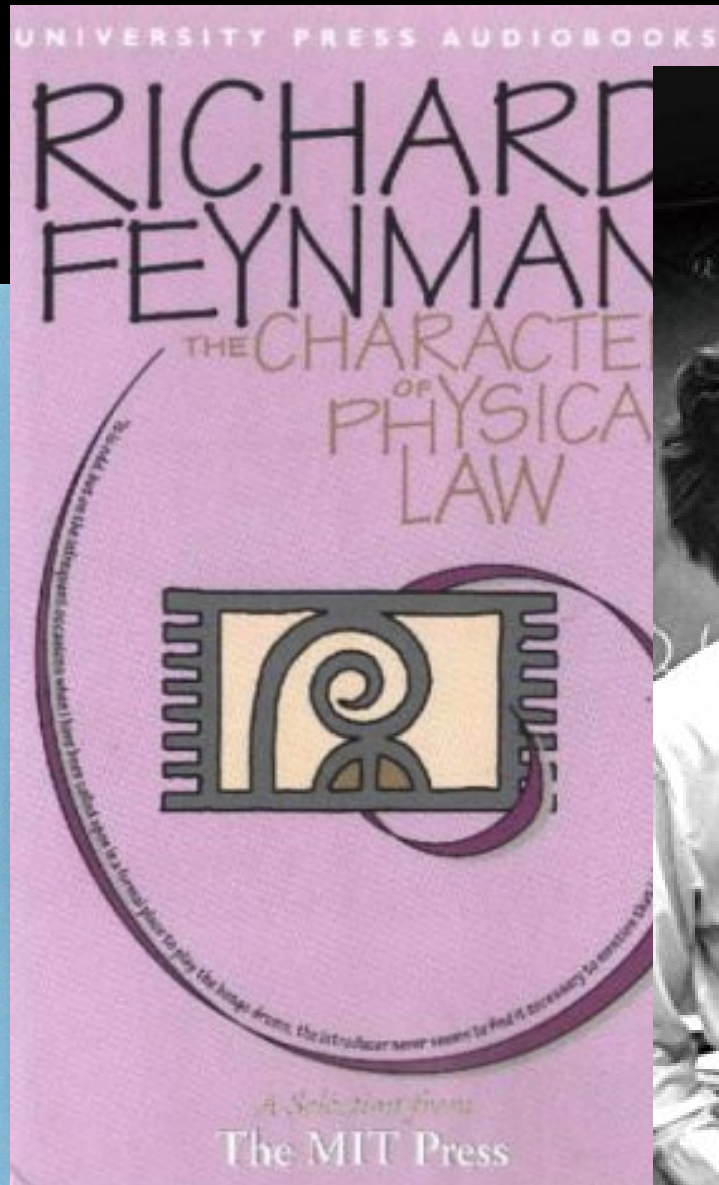
28 gennaio 1986



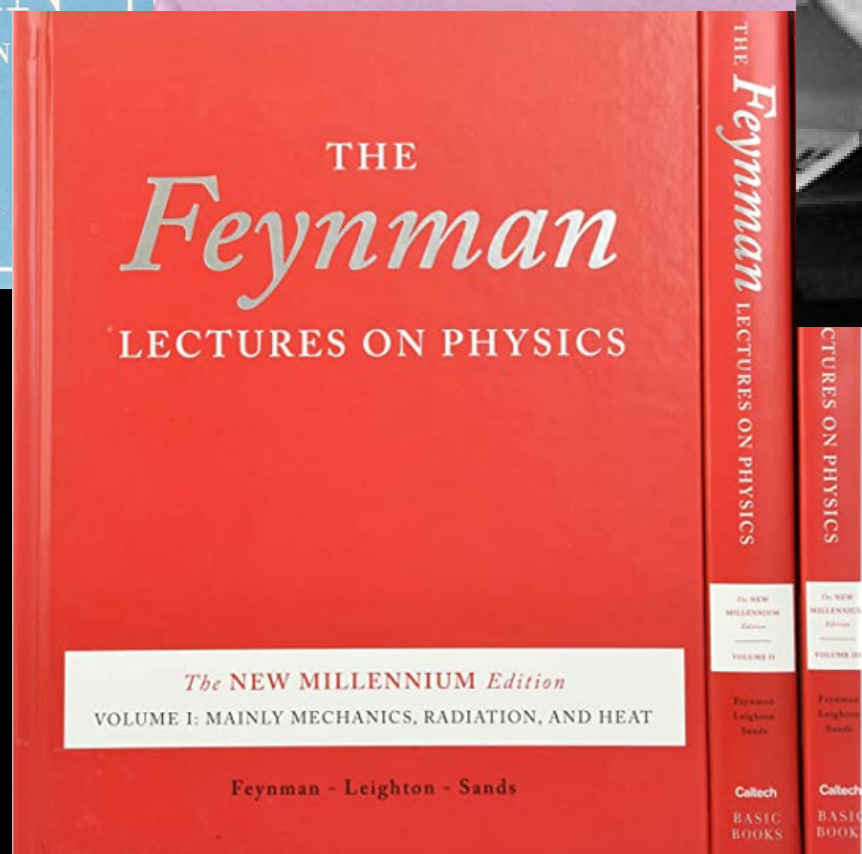
# LE BATTUTE MEMORABILI DI FEYNMAN

A CURA DI MICHELLE FEYNMAN

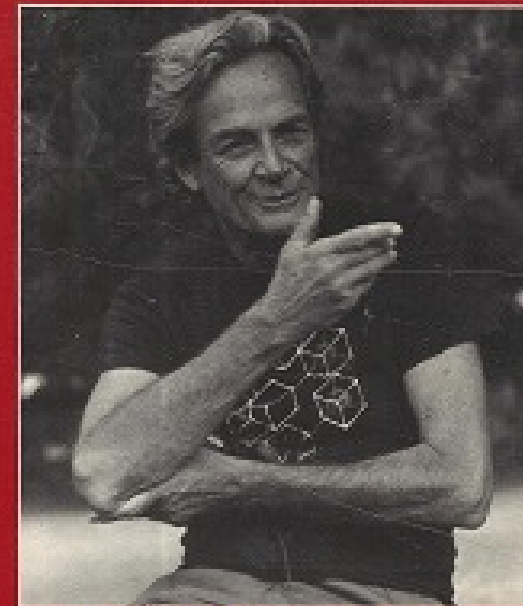
Adelphi



**THANKS TO THE MAN WHO WAS ABLE TO EXPLAIN THE COMPLEX PROBLEMS OF PHYSICS TO EVERYONE**



RICHARD P. FEYNMAN



# "What Do You Care What Other People Think?"

Further Adventures of a Curious Character

"If one book was all that could be passed on to the next generation of scientists it would undoubtedly have to be *Six Easy Pieces*." -JOHN GRIBBIN

RICHARD P. FEYNMAN

# SIX EASY PIECES



essentials of physics explained by its most brilliant teacher

GLI ADELPHI

Richard P. Feynman

QED

