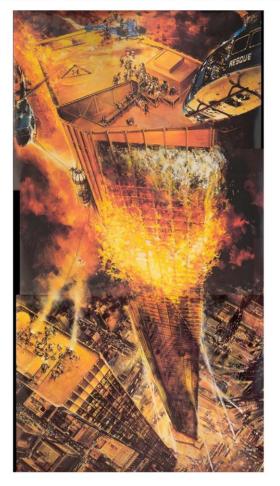
THE TOWERING INFERNO: ART, POLICY, AND LEGACY

A REFLECTION ON THE MOTION PICTURE'S 50th ANNIVERSARY AND IMPACT ON HIGH-RISE FIRE SAFETY









THE TOWERING INFERNO: ART, POLICY, AND LEGACY SCHEDULE

FRIDAY, DECEMBER 13, 2024

Time	Topic	Speaker
0930	Welcoming Remarks	Glenn Corbett, PE Assoc. Prof. Public Management, Executive Committee, Christian Regenhard Center for Emergency Response Studies
0945	More Fire: Building the Towering Inferno	Nat Segaloff is a writer-producer-journalist. Author, <i>More Fire:</i> Building the Towering Inferno.
1100	Holding their feet to the findings: Media attention & policy action after fire tragedies	Jarrett Murphy, Freelance Journalist, Registered Nurse
		LUNCH (Provided)
1215	High-Rise Fires: The Tow-	Charles Jennings, PhD, FIFireE, CFO Dir.,
	ering Inferno's Legacy in Art and Popular Culture of New York City	Christian Regenhard Center for Emergency Response Studies
1300	Firefighting in Tall Buildings, Past, Present and Future	Jerry Tracy , Battalion Commander FDNY (ret.), co-author High -Rise Buildings: Understanding the Vertical Challenges
1345	Inaugural Jake Pauls Award Presentation	Jake Pauls, PhD (Hon.), International Building Use and Safety Consultant and Advocate
		Peter Apps , Author Show Me the Bodies; How We Let Grenfell Happen
1400	Ups and Downs of Stairs; Selected, illustrated guide- lines for facility users, man- agers, builders, designers, and fire services.	Jake Pauls, PhD (Hon.), International Building Use and Safety Consultant and Advocate
1445	Structural fire resistance and tall buildings	Ali Ashrafi, PhD, PE Principal, Thornton Tomasetti, Co-Chair American Society of Civil Engineers Fire Protection Committee







The Towering Inferno: Art Imitates Life Imitates Art

Charles R. Jennings, PhD, FIFireE, CFO, Director Glenn P. Corbett, MSENg, PE, Executive Committee Christian Regenhard Center for Emergency Response Studies (RaCERS)









Outline

- The Film
- Cultural Impact
- High-Rise Fires and the National Awareness
- Codes and Politics and Media
- The Path Forward: Closing the Gaps in Existing Buildings

The Film



Critical Reaction

"The *Towering Inferno* is a nearly three-hour suspense film for arsonists, firemen, movie-technology buffs, building inspectors, worry warts."

-- Vincent Canby (1974)





Academy Awards

8 Nominations, 3 Awards

'The Towering Inferno' First-Rate Visual Spectacle

his been raied PG.
Michael O'Hallorhan. Steve McQuee
Douy Roberts. Pau Newma
James Durcan. William Holds
Sunsan Franklin. Fave Dunawn
Harlee Clabtorne. Fried Astali
Pathy Simmons. Sidan Blake
Roger Simmons. Richard Camberfal
Liscelte Mueller. Jennifer Jon
Jerripan. O. S. Umss
Senator Gary Parker. Robert Vausit
Dan Bigelow. Robert Wasit

By VINCENT CANBY

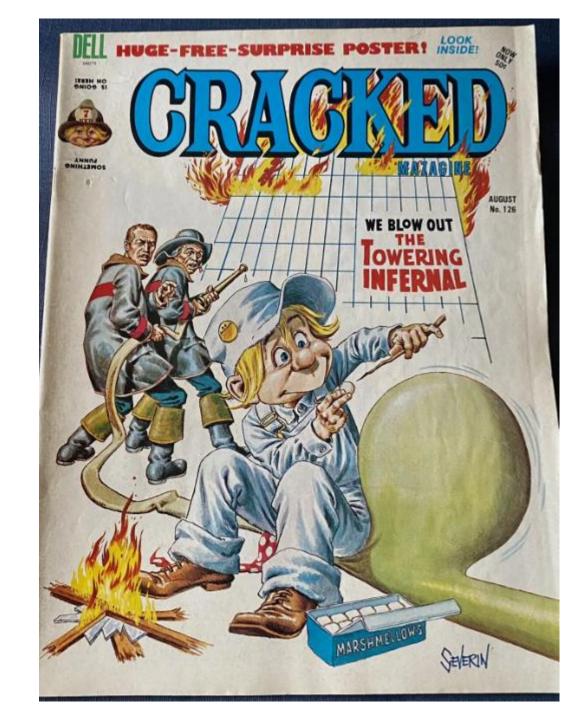
"The Towering Inferno" is a nearly three-hour suspense film for arsonists, firemen, movie-technology buffs, building inspectors, worry warts.

The film, which opened yesterday at the National and Trans-Lux East Theaters, is a pigantic cautionary tale for

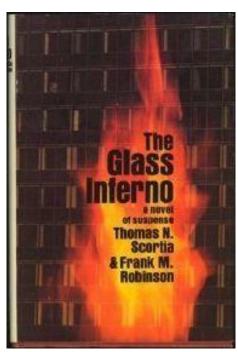


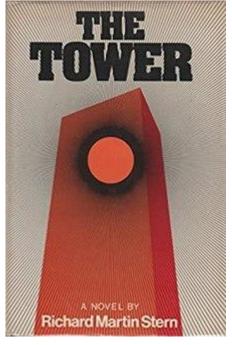
A battle for a rescue car in "The Towering Inferno"

Cultural Impact



Tall Building Fires/ Towering Inferno in Popular Culture









The inspiration (later rebranded)

Satire Magazines

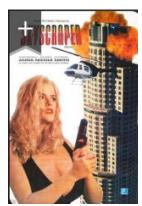
Video Game

Referenced in nearly 100 other TV shows, reviews, or parodies.

Tall Building Fires in Cinema

- Towering Inferno (1974)
- Emergency! Steel Inferno (1978)
- Die Hard (1988)
- Fire: Trapped on the 37th Floor (1991)
- Skyscraper (1996)
- World Trade Center (2006)
- The Tower (Korea) (2012)
- Inferno: Skyscraper Escape (2017)
- High-Rise Rescue (2017)
- Skyscraper (2018)



















High-Rise Fires and the National Awareness



919 Third Avenue 1970

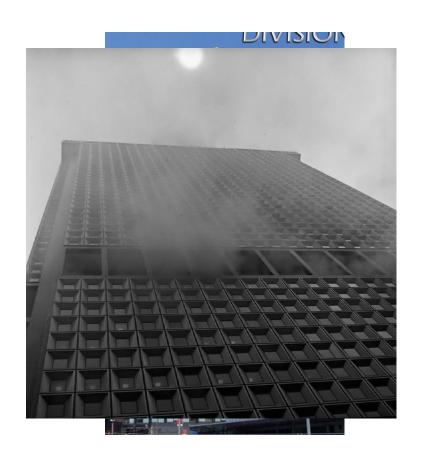
One New York Plaza Plaza 1970



This new Third Avenue building met New York City's building code, yet three died and 20 were injured in the fire.



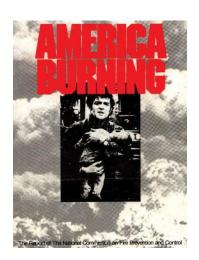
3 dead when elevator opened on fire floor, multi-story extension



2 dead when elevator stalled at fire floor, Multi-story extension

America Burning Report Issued 1974

• Highlighted challenges of high-rise fires.





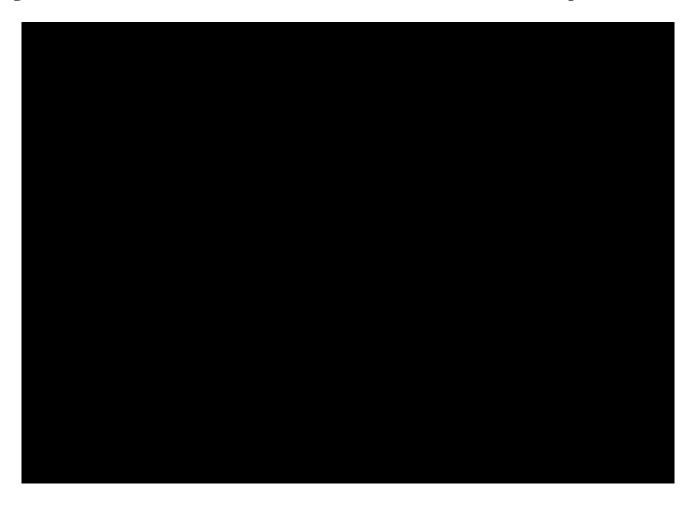
Documentaries

- Incendio (Brazil) 1974
 - Joelma Building
 - Produced by NFPA
 - 14 Minutes
 of horrific
 video, music,
 and analysis

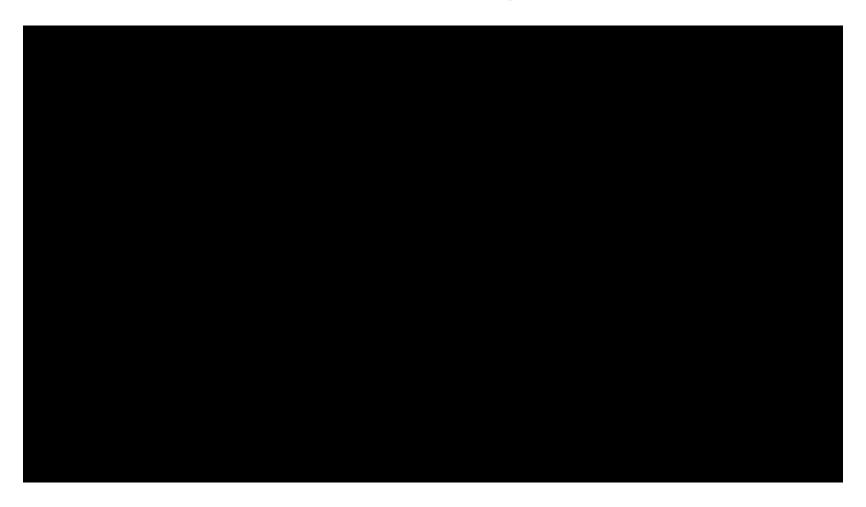
 Pull up for preci weirdovideo.com

https://www.youtube.com/wat ch?v=q6oC_QX3-G4

World Trade Center – 1975 Fire (originally constructed without sprinklers)



Unsprinklered Residential High-Rises Continue to Experience Significant Fires



Local Law 5 -- NYC

- 1970 Fires spurred examination of failures and a systems approach was used to craft a legislative approach.
- Unprecedented "golden era" of applied scientific research guided by FDNY under leadership of Comm. O'Hagan.
- Local Law 5 addressed key issues:
- Delayed alarm, excessive smoke and fire spread via openings and HVAC, large, well-developed fires beyond capability of manuallyoperated hoselines, no information available to firefighters in status of building systems, no control of occupants, elevators operating during fire

Real Estate Industry Fights Back

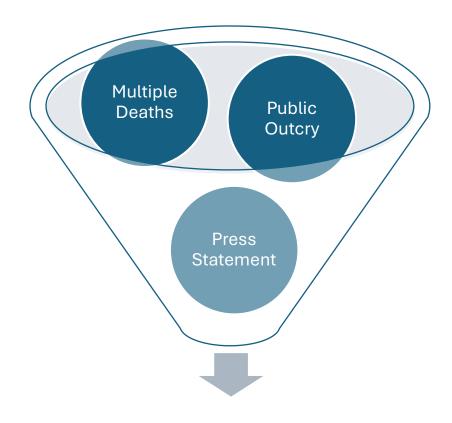
- Lawsuit filed in 1973
- NY Supreme Court Threw the Law Out (1977)
- City took case to Appellate Court and Prevailed (1978)

 The real estate industry has opposed every significant fire improvement directed at existing buildings



New York City High-Rise Fire Law Is Reinstated by Appellate Division By CHARLES KAISER The Appellate Division of State by promo Color of the Color of State by the Color of St

Political Economy of Fire Codes Improvements



Legislation Introduced?

Outcomes

Legislation dies on Committee

Legislation fails

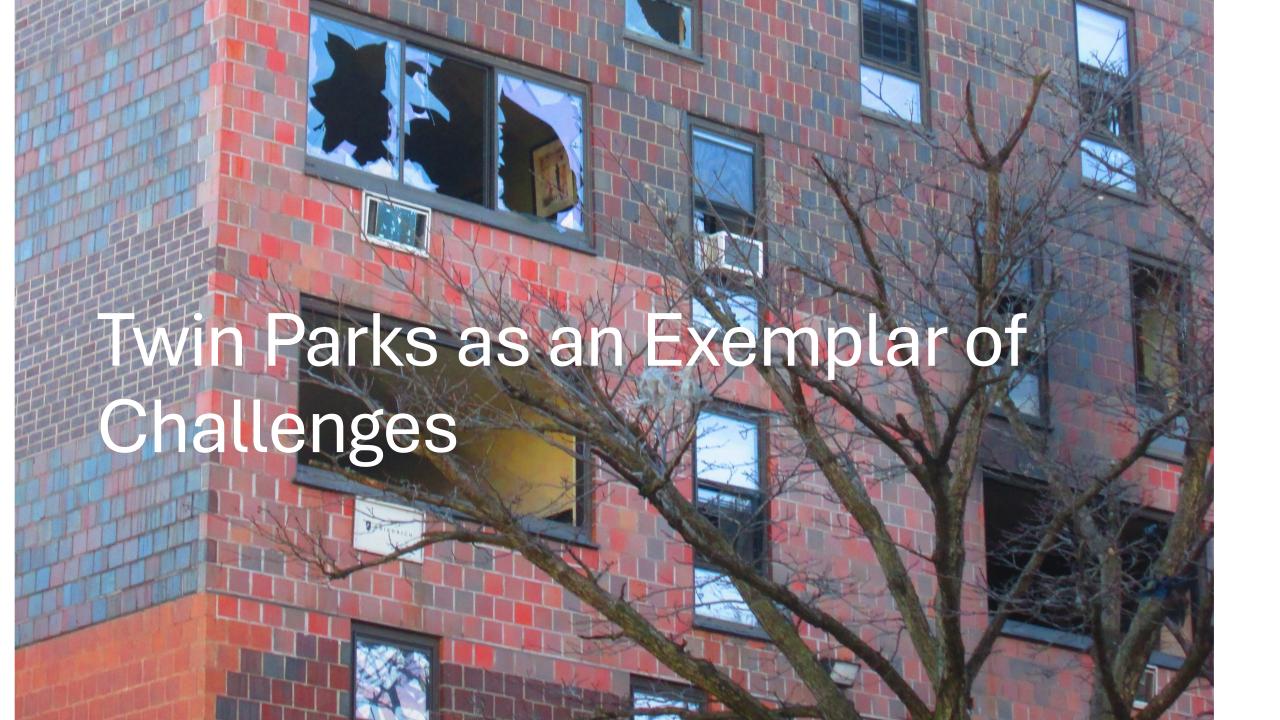
Do-nothing legislation

Deck chair legislation

Bad legislation

Media attention dissipates

FDNY Cowardly Lions



Twin Parks Fire January 9, 2022

- 19-story buildings constructed by NY State as low an moderateincome housing
- Fire started daytime
- 17 Fatalities
- 32 Hospitalized
- Self-closing door failed, smoke spread throughout the building
- No sprinkler
- No public address capability

Post-Twin Parks Legislation?

- Sprinklers NO
- Public Address Systems NO
- Fire alarms NO
- Federal legislation to enable US Fire Administration to investigate fires (authorities already existed)
- Increase fines for self-closing doors (HPD admitted they didn't have staff to enforce for over a year)
- Require self-closing doors in federal housing?
- Chase space heaters

Leadership Needed in NYC

- Building Occupants must come before
 - Real Estate Profitability
 - Fire Union pleading for staffing
- Elected officials must be lobbied with objective data
 - Cost-benefit studies
 - Life cycle costing
 - Fire service needs to step up and lead
 - Make partnerships with housing advocates
- Innovate on intermediate steps
 - Other technological solutions
 - Partial systems (need to be evaluated)



Link to "Towering Inferno at 50" Event

THE TOWERING INFERNO: ART, POLICY, AND LEGACY

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The Towering Inferno (1974) is an Academy Award-winning blockbuster that ignited international interest in high-rise fire safety. The film, featuring an all-star cast and the outstanding special effects, both reflected emerging hazards in newly-constructed lightweight buildings and brought attention to fire codes and firefighting procedures.

This event features speakers addressing historic, journalistic, engineering and policy aspects of fire safety, and also features a forward-look at cutting edge firefighting and occupant safety strategies and prospects for super-tall buildings under development. The conference will also focus on New York's slow road to updating safety systems in existing high-rises.

Nat Segaloff, Author More Fire: The Building of the Towering Inferno
Jarrett Murphy, Journalist Ali Ashrafi, Structural Engineer
BC Jerry Tracy (FDNY, ret.) Jake Pauls, Evacuation Expert

Charles Jennings, Professor



Friday, December 13, 2024 524 West 59 Street, Room 9.64 9am-4pm In-person and via Zoom







