	Building Name Address	Use (as per FSA Annexed Table 1)	Date and Time of Incident	Structure and Stories Area	Extent of Damage (Damaged Area/ Total Area)	No. of Casualties
		Complex	Jan 10, 1976	Fire resistive		
	Kietsu Building		Breakout at 00:10 (approx) Detected at	6 stories above ground and 2 below Building area	All, <u>Partial,</u> Half, Small	Fatalities 1
	0.04.0.01:1.1.1	(16) a	00:14	124.1 m ²	811 m ²	
N	3-21-9 Shinbashi, Minato-ku, TOKYO		Notified by emergency call	Total floor area	(50%)	Injured 12
			Extinguished by 02:01	934.6 m ²		(0)

I. Summary of Fire Incident

In the early morning, the fire that emerged from the 3rd floor burned 100 m² of that floor. The firefighters rescued 3 employees and 13 guests who were trapped on the 4th and 5th floors. The fire resulted in 1 fatality and 12 injuries. The cause of the fire was a faulty fire compartment in the pipe duct space from which smoke rapidly ascended to the upper floors. In addition to an inactive fire alarm and barred windows, this building had many issues with the fire prevention system.

(2)	Floo r	Total area	Damaged area	Use (Purpose)	No. of persons	No. of fatalities	Fire escape equipment	Firefighting equipment	
(2) Conditions per Floor		m ²	m ²		porconic	ratamile C	Fire escape equipment (rope ladder)	Fire extinguishers 1 indoor fire	
pe	6	88.07		Locker room				hydrant per floor from the 1st to 6th	
r Floo	5	101.04		Turkish bathhouse	11	1		floors Automatic fire	
	4	125.0		Turkish bathhouse	14			detection system	
	3	124.1	100	Storage				Guiding lights	
	2	IJ		Hostess bar					
	1	IJ		Hostess bar					
	B1	IJ		Office	6				
	B2	IJ		Machine room, Kitchen					
	Total	934.61	100		31	1			

(Floor, Room, Part, Combustibles, Habitable/Non-habitable rooms, Present/Absent)

Near the 3rd floor (storage) entrance.

Since May 1973, the 3rd floor was being used as storage for tables and chairs from previous business. The fire emerged near the unlocked entrance door to the escape stairs inside the storage area.

(4) Cause of Fire

Unknown

The investigator suspected arson based on the old tables that were deliberately set on fire near the entrance; however, there was no evidence to determine the exact cause of the fire.

floor and left it in front of the exit doors to the rooftop.

III. Actions Taken after the Fire was Detected (1) First Detected Detected by (Employee U) How and why (Smoke) Action taken (Evacuated via the escape stairs) According to testimony given, the accounting manager (age 51) and the assistant manager were at the front desk when they noticed smoke emerging from the escape stairs. At that time, there were 3 quests in the waiting room. In a few minutes, the electricity to the room lighting went down, but the elevator was still working and the 3 guests used the elevator to evacuate. The accounting manager testified that the sales manager of the hostess bar told him "The 3rd floor is on fire" when he came down the escape stairs to the 1st floor. Based on this testimony, the accounting manager who was on the 4th floor was the first person that noticed the smoke and knew that something was wrong, but he did not do anything specific about the smoke coming from the fire floor. **Emergency Call** Time elapsed since the discovery (4) minutes Yes []() (2) Emergency Ca No[X] The owner (age 31) of the coffee shop, which was located on the 1st floor of the building across from the south side of the fire building, noticed smoke drifting into his shop from outside. He sent a waiter outside to find out where the smoke was coming from. The waiter came back and told him that there was smoke coming out of the Kietsu Building, so the owner made a 119 call from his phone in the shop. (Reasons or Conditions) Successful [] Failed [X] (3) Initial Firefighting Activities Two police officers who were in a nearby police box noticed the Extinguished timing fire because of the sound of disturbance that came from Initiated [] Firefighting difficulties outside. They ran up the escape stairs of the fire building and Firefighting method tried to open the door to the burning 3rd floor. They rushed back to the 1st floor and extended the hose from the indoor fire hydrant to the 3rd floor, but could not control the fire because the water pressure was low. So they extended another hose Extinguished timing [] from the 2nd floor, but this hydrant did not have sufficient water Firefighting difficulties Not Initiated pressure. These attempts by the police officers were the only Firefighting method [] efforts made to extinguish the incipient-stage fire. Other [] (Obstacles or Difficulties in Fire Control) (4) Summary of Firefighting Activities • The fire building was surrounded by a decorative steel fence, which significantly affected firefighting activities. The narrow inside stairs was the only passage that the firefighters could use for the rescue operation in which they needed to rescue many evacuees, which made the rescue operation difficult.

(5)	Means of Escape (No. of Persons)	Obstacles to Evacuation		
) Evacuation	 Stairs [X](15) Elevators/Escalators [X] (3) Escape equipment [] () Directly to ground from windows or openings [] () Rescued [X] (13) Other ()[]() 	 No windows [] Barred openings [] Locked emergency doors (Exits) [] Alarm system [] (Poorly controlled, Malfunctioned, Not installed) Power outage [] Other [] 		

On the 4th floor, 4 private rooms were all occupied by 1 attendant and 1 guest each. In addition, there were 2 employees, 3 guests, and 1 attendant on the floor. Thus, there were 14 persons present in total. They escaped in various ways: (1) via the escape stairs (1 employee, 3 attendants, and 1 guest), (2) via the elevator (3 guests), (3) escaped to the rooftop and were rescued (1 employee), (4) waited for rescue inside a private room (1 guest), (5) dazed from smoke but rescued (1 attendants and 2 guests), and (6) ran back to her room on the 5th floor but waited for help in somebody else's room and was rescued (1 attendant). On the 5th floor, 5 private rooms were all occupied by 1 attendant and 1 guest each and 1 guest was wandering around. Thus, there were 11 people on the floor in total. They also escaped in various ways: (1) via the escape stairs (2 attendants and 2 guests), (2) escaped to the rooftop and was rescued (2 attendants), (3) dazed from smoke but rescued (2 attendants), (4) rescued from the balcony (2 guests), and (5) waited for help in a private room and was rescued (1 attendant).

Healthy individuals 1

(Drunk persons)

Individuals in need of assistance | Section |

Infants | Coked emergency doors (Exits) []

Elderly | Handicapped | Patients/ill persons |

Healthy individuals 1

Obstacles to Evacuation

No windows []

Barred openings []

Locked emergency doors (Exits) []

Alarm system [] (Poorly controlled, Malfunctioned, Not installed)

Power outage []

Other [X] (Power outage)

An attendant (age 25) was smoking in her private room and noticed smoke on the ceiling that was coming from somewhere and heard somebody screaming in the hallway. When she opened her door, the hallway was dark and filled with smoke. With her drunk guest (age 38), she walked toward the escape stairs, but they became separated at some point. It appeared she went back to her room and became unconscious there. She died in hospital after being rescued by firefighters.

IV. Issues and Lessons Learned

- 1. The automatic fire detection system was inactive (turned off) and the first person that noticed the fire selfishly evacuated without alerting anyone. In addition, people in the private rooms did not become aware of the fire until much later, which resulted in many casualties.
- 2. The only escape stairs became the smoke propagation path.
- 3. The private room attendants were unfamiliar with the floor layout (they did not even know where the exit door was to the rooftop).
- 4. Most of the guests were drunk and therefore their evacuation was slow.
- 5. The fire building was surrounded by a decorative steel fence, which significantly affected the firefighting operation.
- 6. The fire-preventive measures were defective. The unsealed clearances where the HVAC ducts and the water pipe shafts passed through became the smoke propagation path, which adversely affected the evacuation.













