

# Making a 1962 Documentary for the United States Science Exhibit

The National Archives at Seattle

UNITED STATES DEPARTMENT OF  
**COMMERCE**

Frederick H. Mueller, Secretary Washington 25, D. C.

Century 21  
U.S. Science Exhibit

For Release Friday, November 18, 1960

EXH 60-9

Philip M. Evans, Commissioner for the U. S. Science Exhibit, announced today that Charles Eames, award winning designer of Venice, California, will produce a special multi-screen color film introduction to the Federal Science Pavilion, a major six-acre installation at the Century 21 International Exposition scheduled to open in Seattle, Washington, on April 21, 1962.

Recalling that Eames had written, filmed, and produced the successful seven-screen "Face of America" film presentation seen by two and a half million Russians at the American Exhibit at Moscow, Commissioner Evans said: "Many people either think science has all the answers, or that it will have the day after tomorrow. Actually science is a fascinating and continuous process of creative exploration which uncovers new questions as old ones are answered. In only ten film minutes Charles Eames successfully communicated the nature and spirit of America to the Russian people; he has the same amount of time to excite Americans about science. Frankly, we look forward to an unforgettable event. The Eames production will introduce the five-building United States Science Exhibit.

Since his work for the American Exhibition at Moscow, Eames has been designing another exhibit for use by USIA in Russia on the history of transportation in the United States. He recently produced film segments of the CBS award winning television presentation "The Fabulous Fifties."

Mr. Eames was born in St. Louis and attended public school there, also Washington University where he studied architecture. He has won numerous awards, not only in the field of architecture, but also for film presentations. Among these are the Edinburgh International Film Festival in 1957 and 1958, the American Film Festival trophy, 1959 and the Scholastic Teacher's 11th Annual National Film Award in 1960. He was awarded the Gold "Craftsmanship" Medal 100th Anniversary of the American Institute of Architecture in 1957, and the National Industrial Design Council of Canada award in 1959. This year he was given the Design Award by the Philadelphia Museum School of Art.

Announcement for House  
of Science documentary

US Science Exhibit – Seattle  
World's Fair

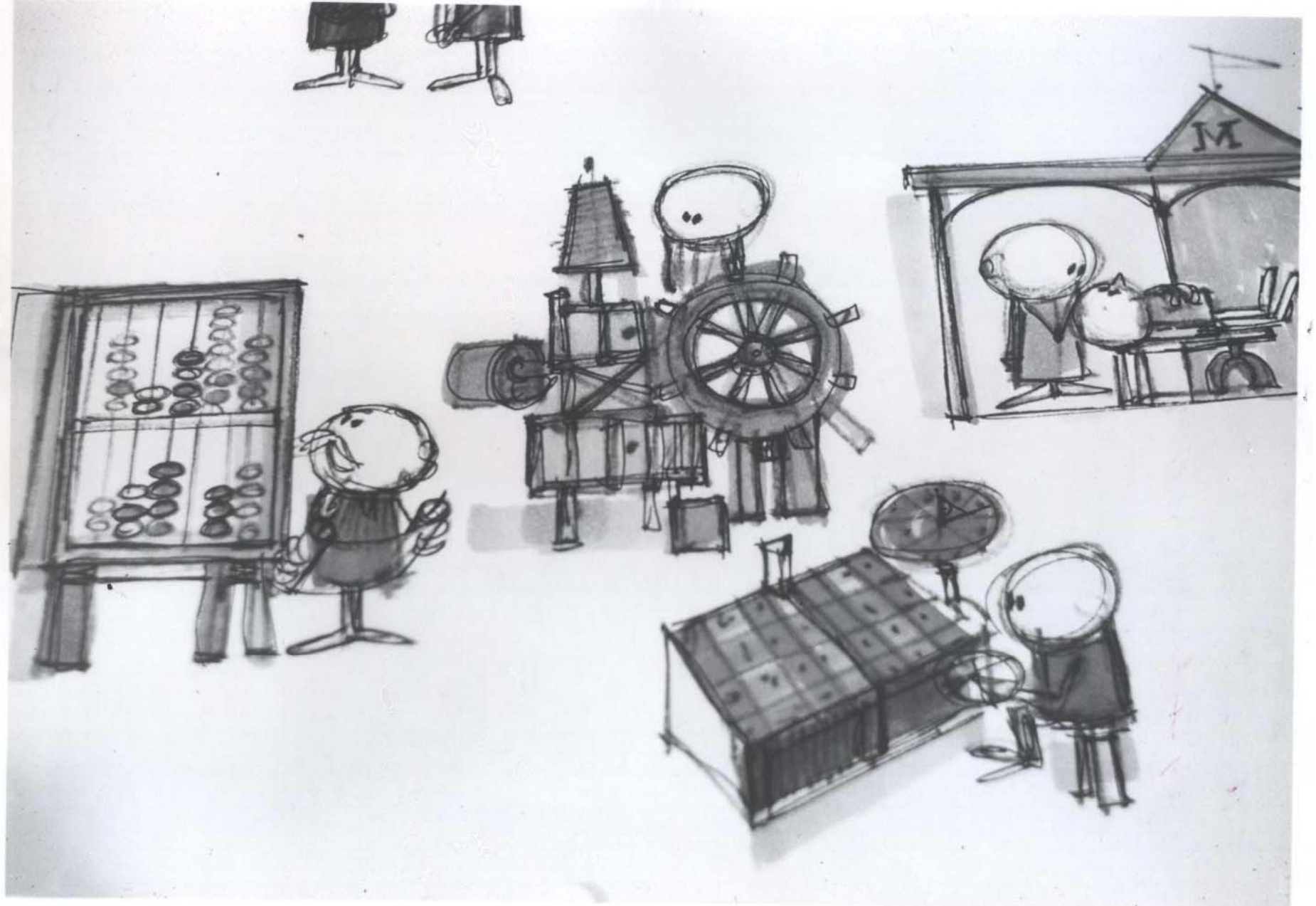
Original held at The  
National Archives at Seattle

(Exhibit Information Files)

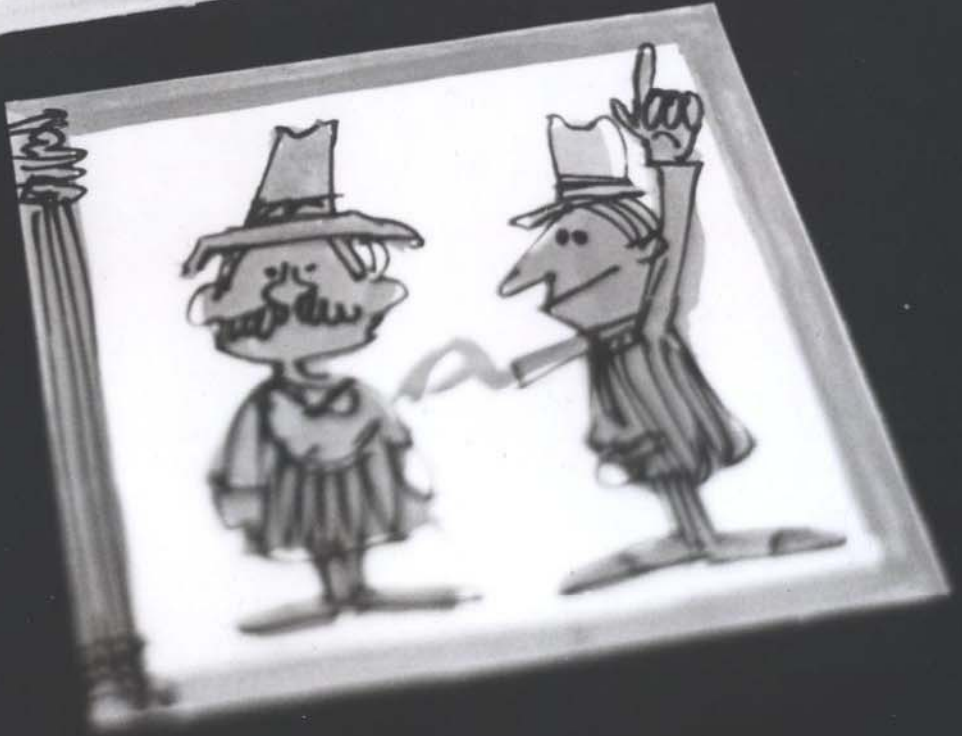
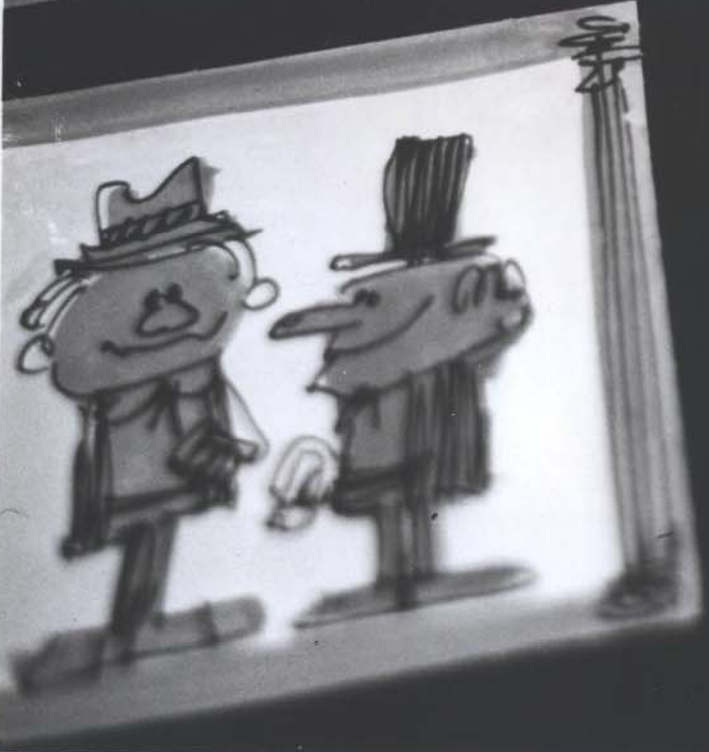
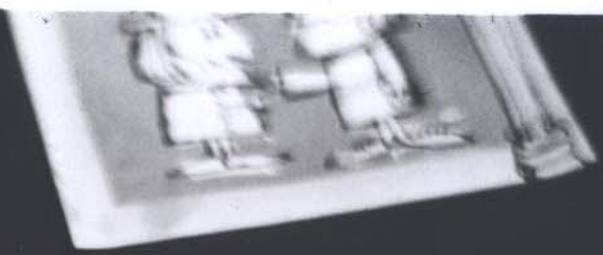
# The Process

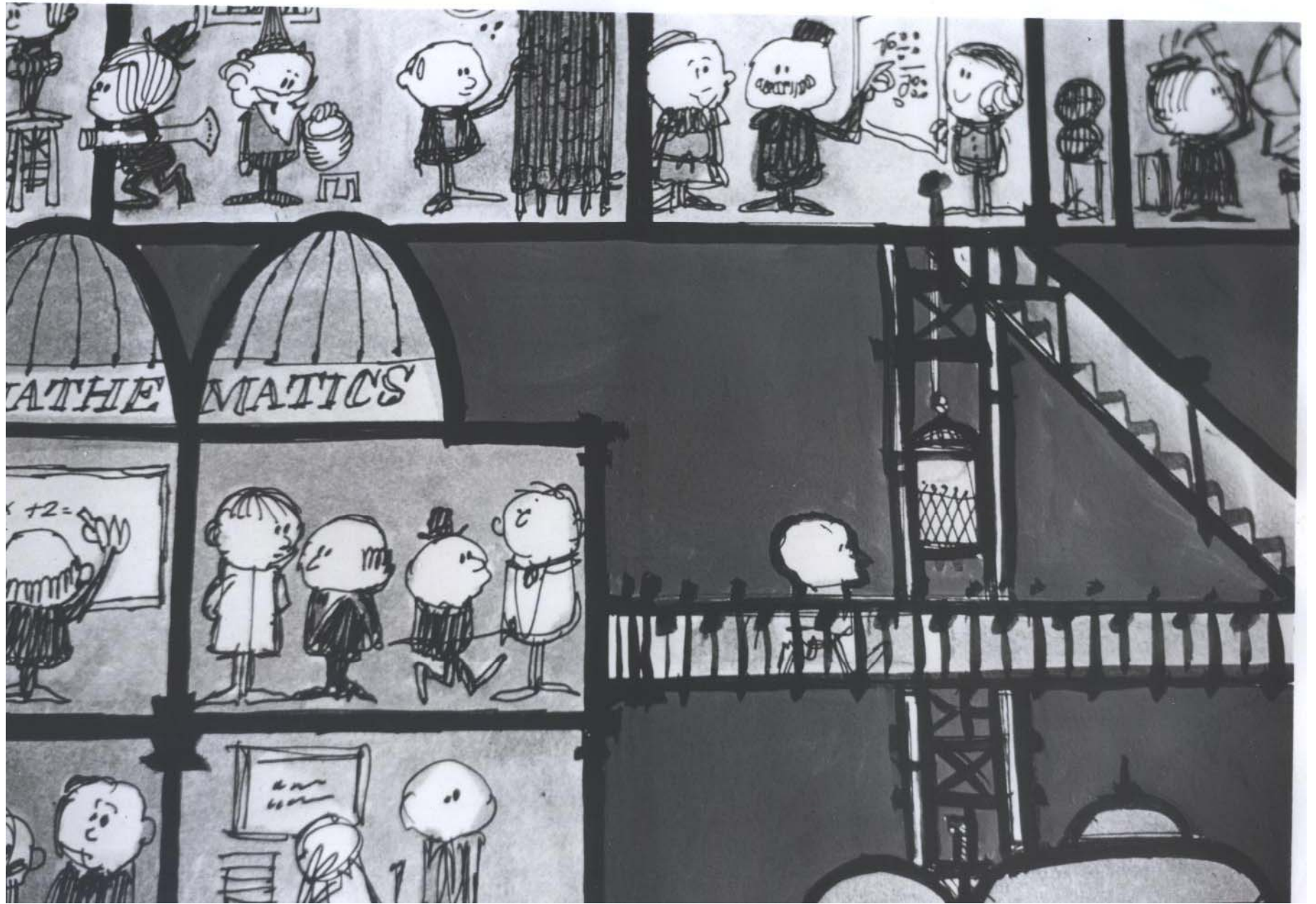
- Sketches
- Storyboard
- Narration
- Filming
- Projection

Sketches





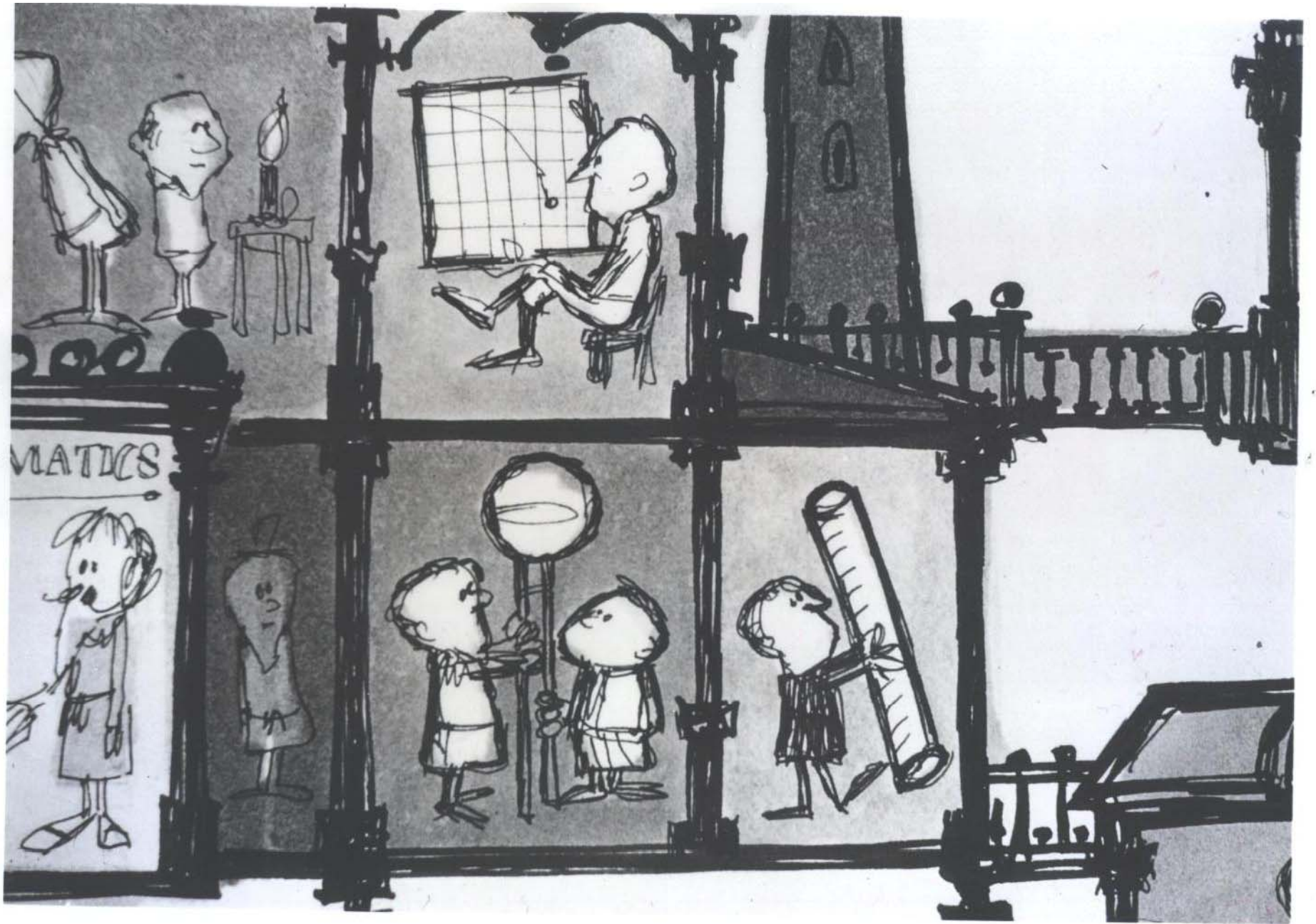


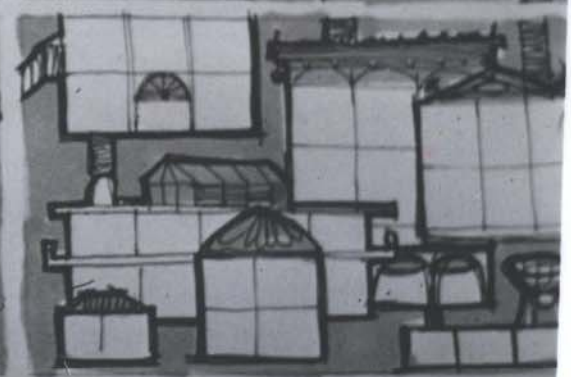
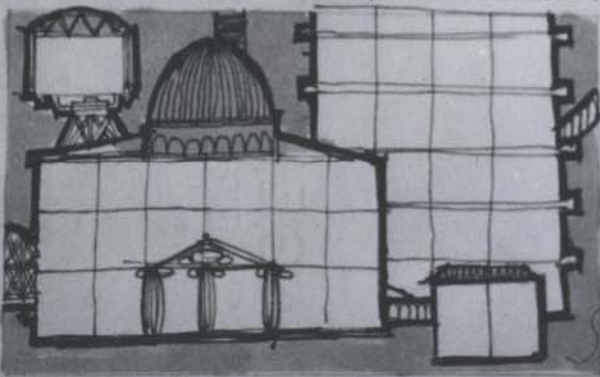
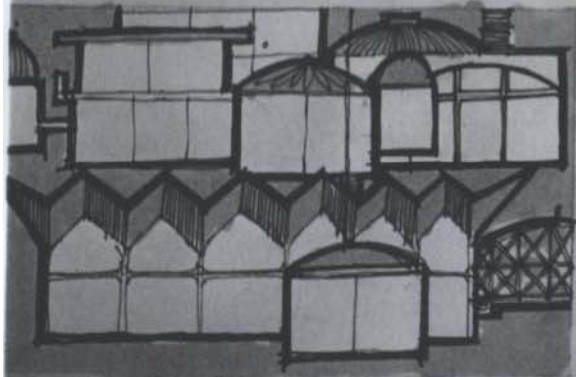
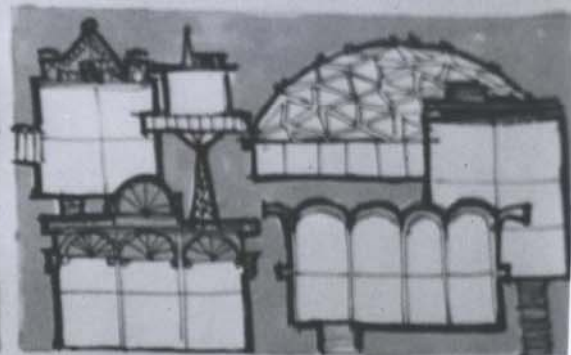
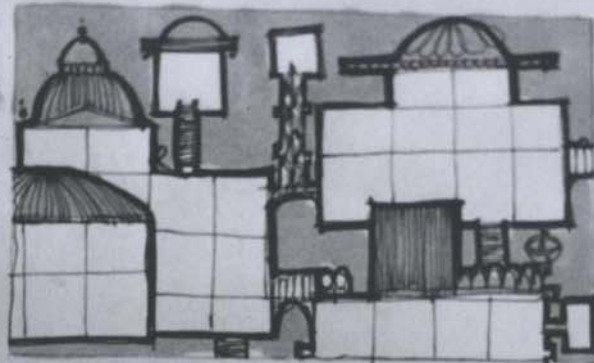
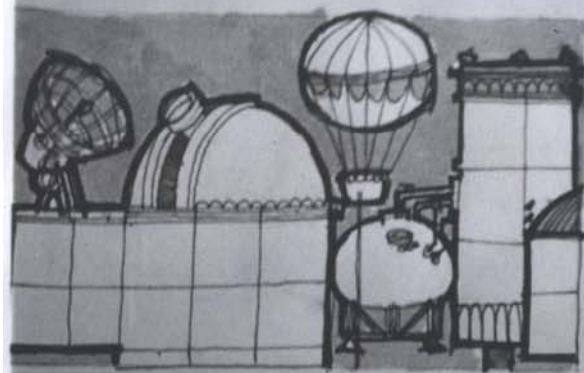




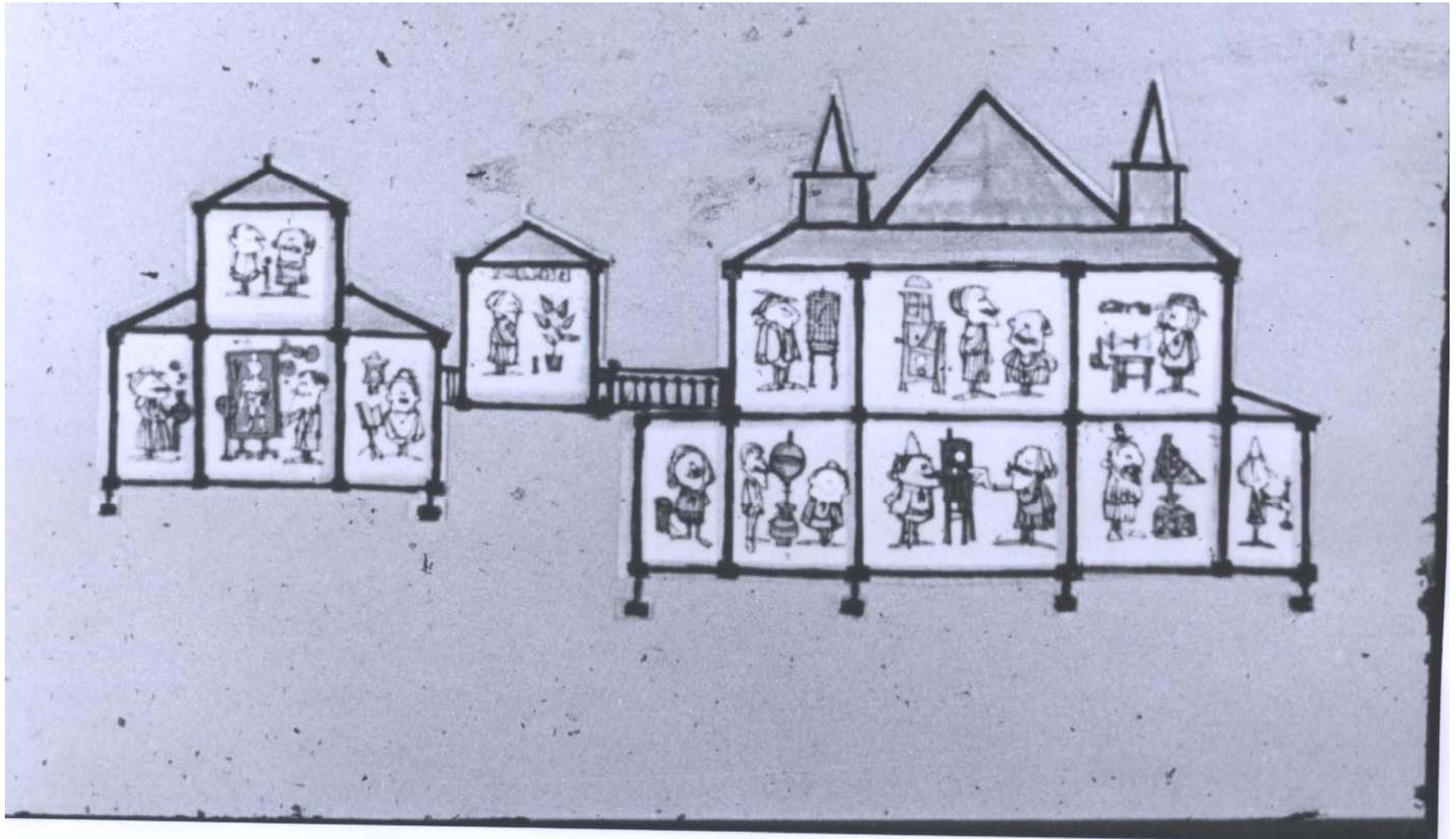


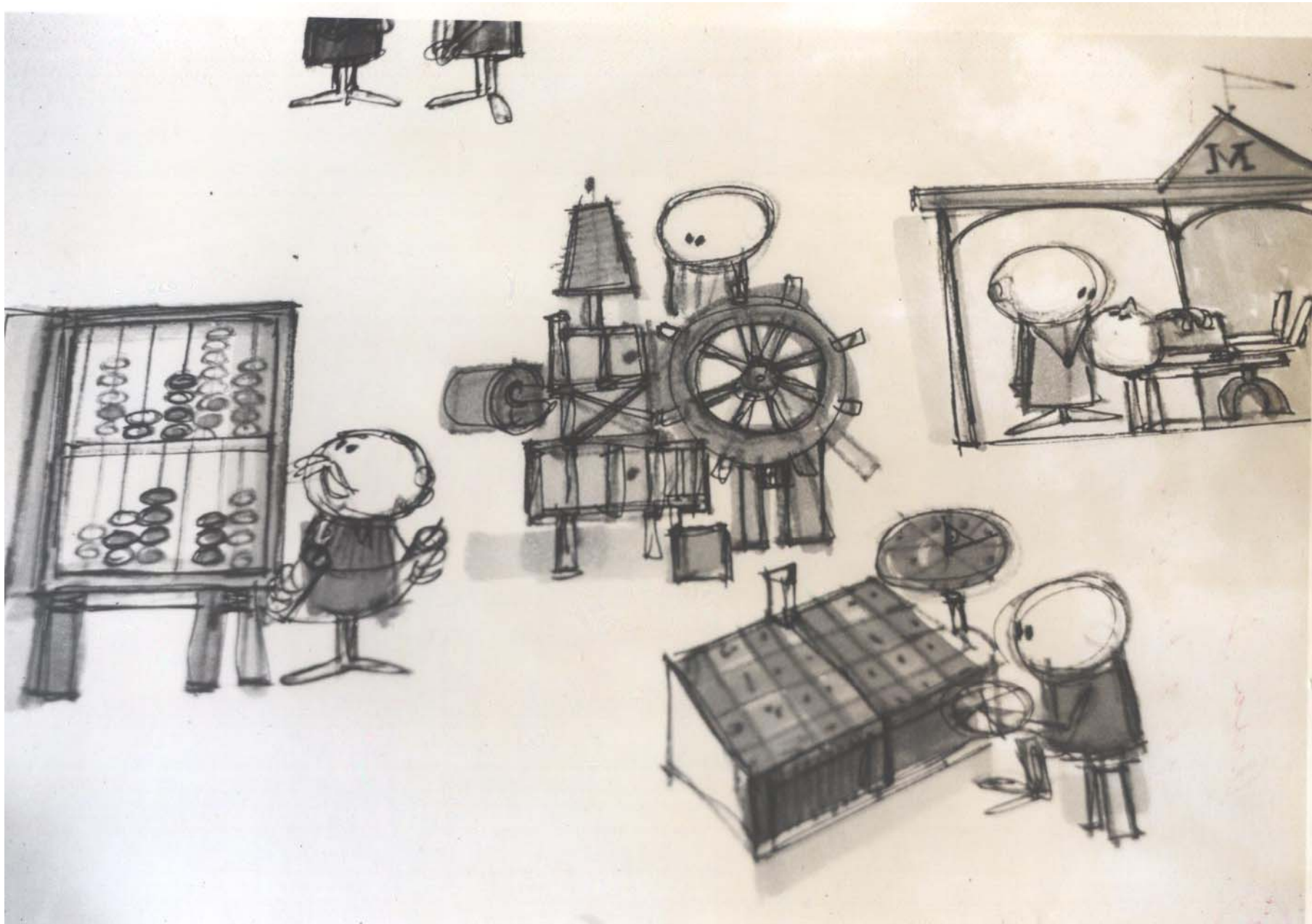




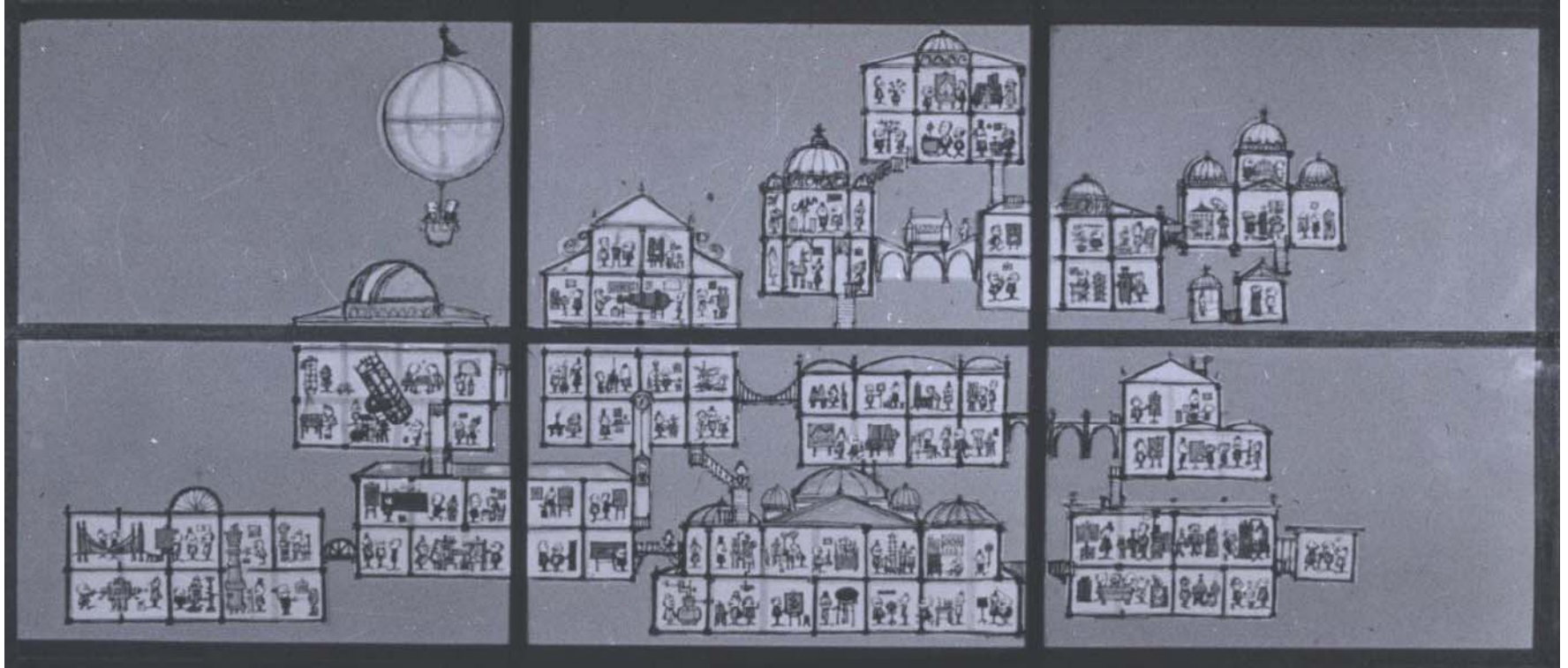




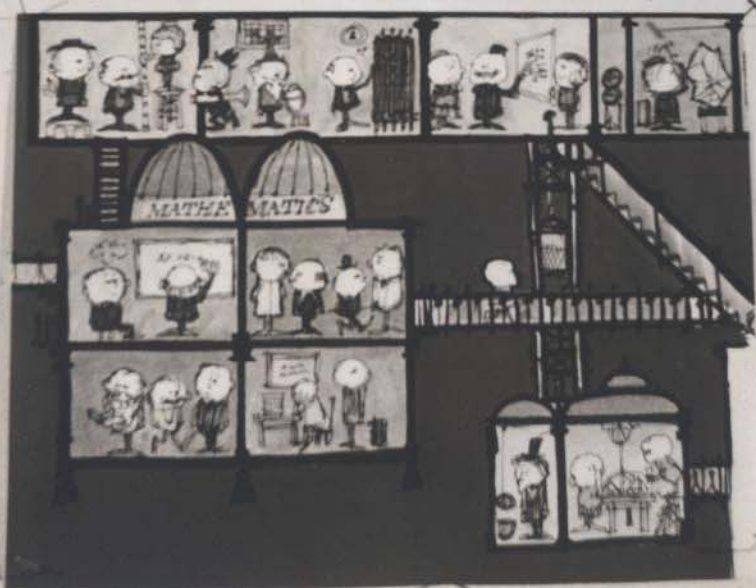
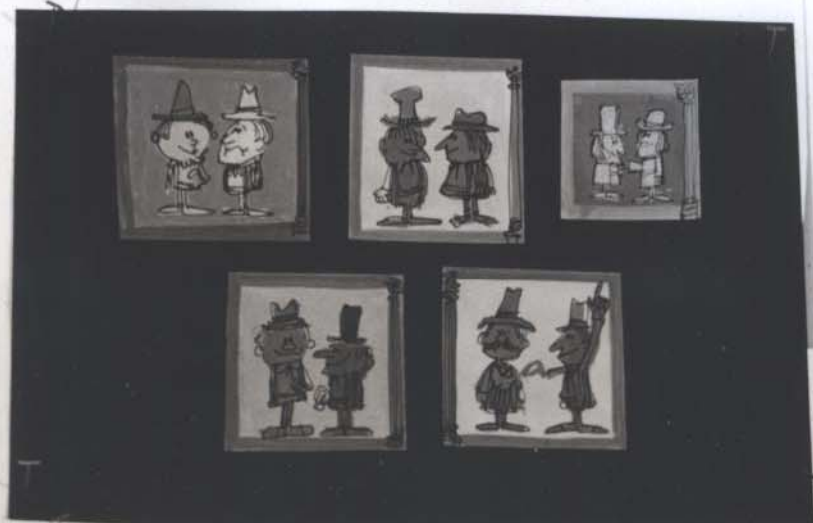
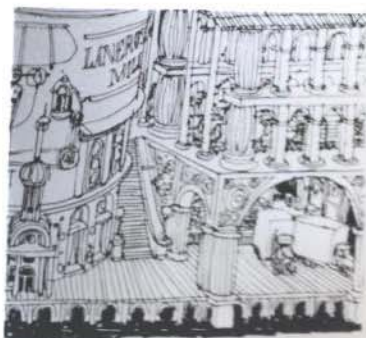








# Storyboarding



GENETICS

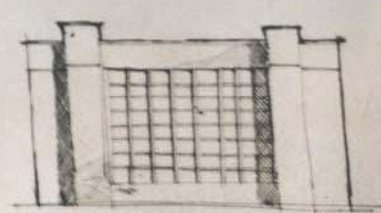
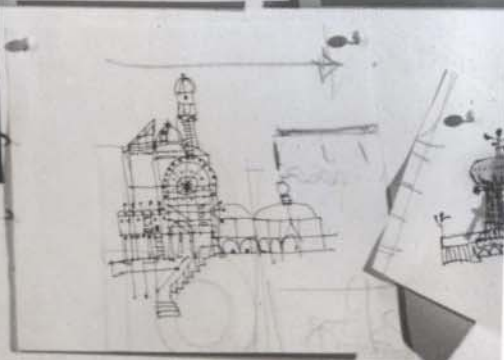
MENDEL REPORTED FINDINGS IN 1865 BUT NOBODY HEARD OF HIM.  
 IN 1900 Hugo de Vries, Carl Correns, & Walter Tschermak Rediscov. his work - house begin  
 1909. Wilhelm Johannsen - 'pigeons',  
 1910 H.S. Sutton, Theo. Boveri, T.H. Morgan

OTTO MEYERHOF SAHS

ORGANIC CHEMISTRY WAS FOUNDED FROM SCRIP AROUND 1830 BY JUSTUS WILHELM VON LIEBIG & FRIEDRICH WÖHLER

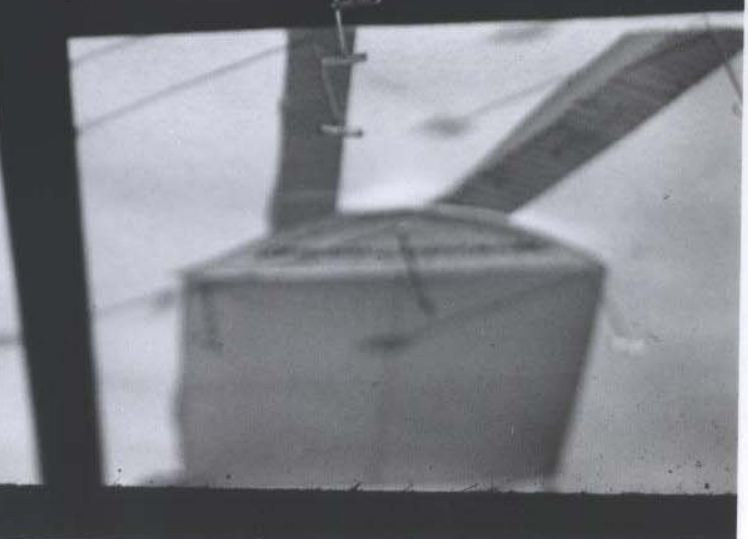
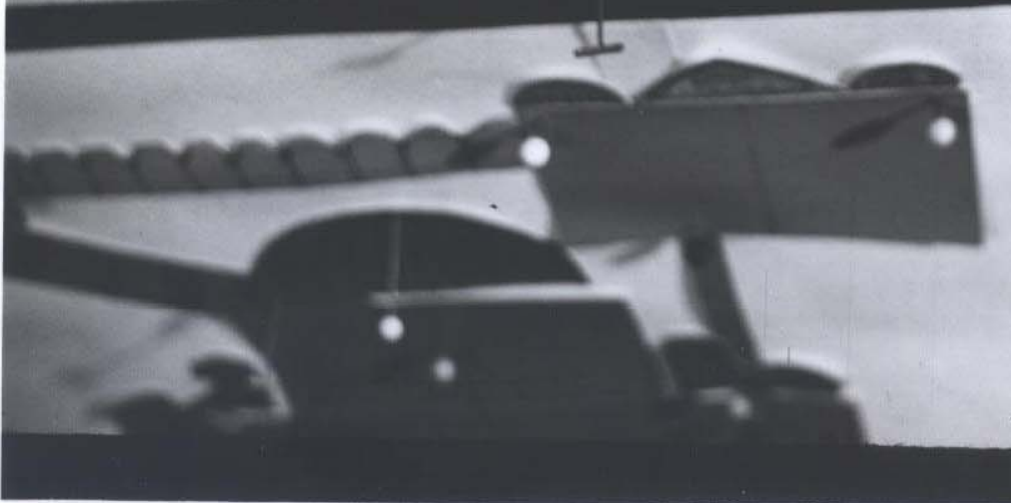
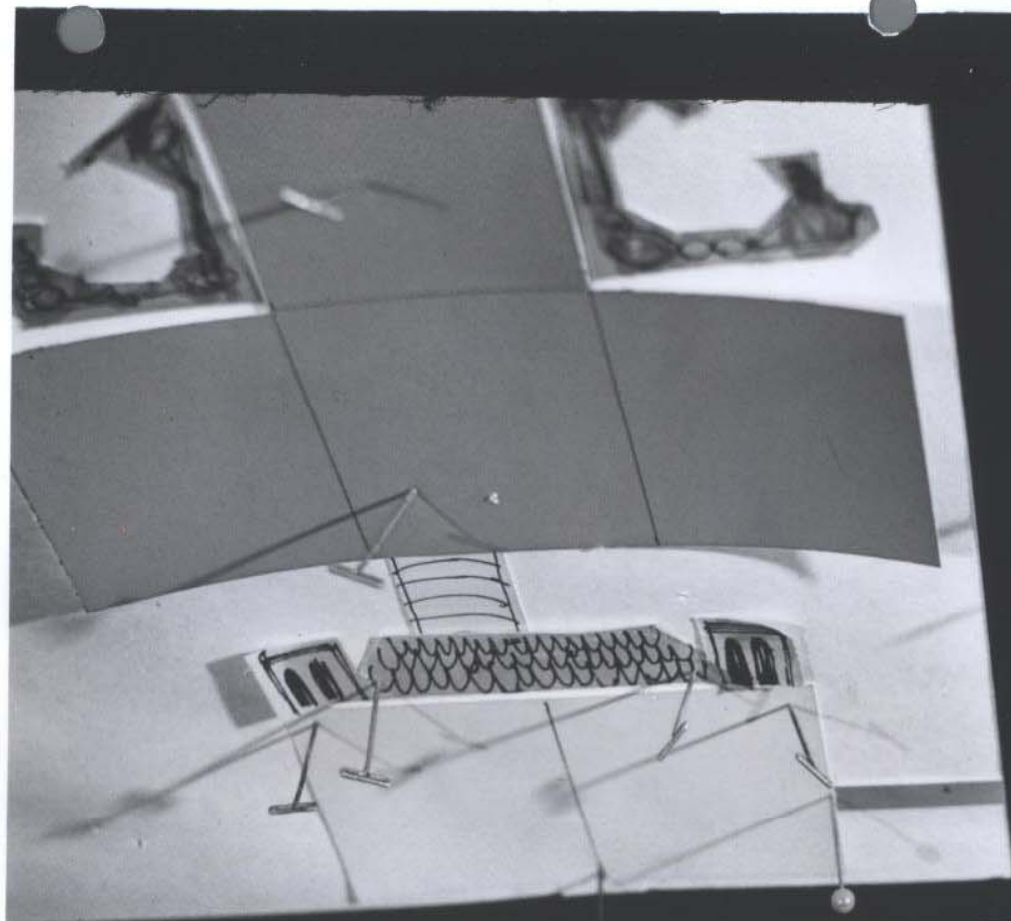
BIOCHEMISTRY

BEFORE THE TURN OF THE CE WAS CONSIDERED AS PART OF PHYSIOLOGY, THEN PHYSIOLOGICAL CHEMISTRY, PHYSIOLOGICAL CHEMISTRY AS SEPARATE











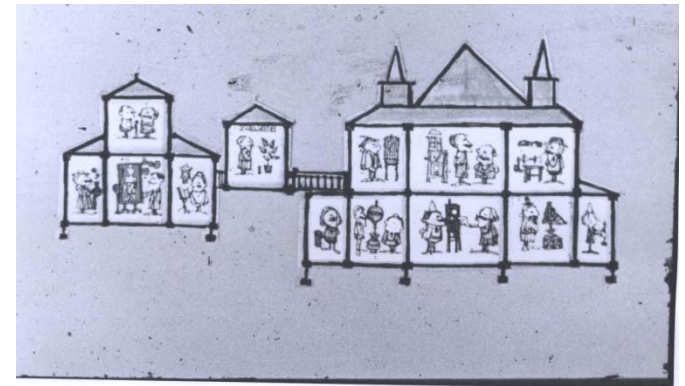
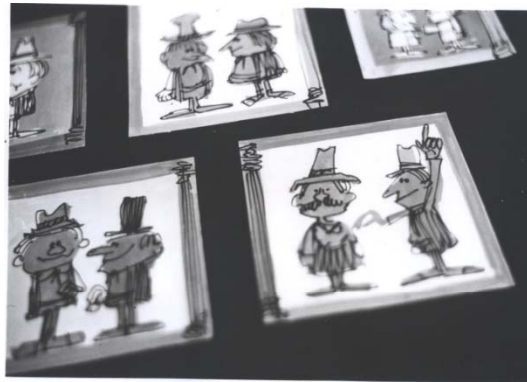
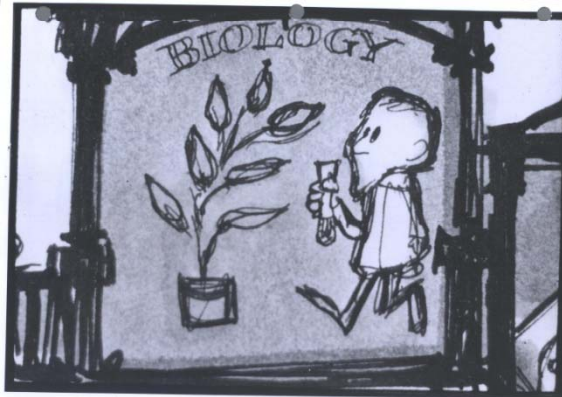




# Narration Track

The narration track is the script that was read for the film.  
(See Handout for complete narration).

*“..... This is the House of Science as it is today. These are the men that inhabit the house .....”*





# Projection Equipment 1962



There were six projectors that may have looked something like this.

ca. 1959.  
Library of Congress



AREA I PROJECTION EQUIPMENT

September 15, 1960

RE: REEVESOUND COMPANY, INC. Proposes:

<u>Equipment</u>	<u>Service</u>	<u>Costs</u>
	1. 2-man staff )	
	possibly more - 5-6 mos. )	
	2. 2-way trucking of equipment )	\$44,000
	3. Install supervisor per diem )	
	4. Install labor of everything )	
	5. General and admin. profit )	
	6. Carbon replacement )	

Total 144 days = 6 months + 24 days

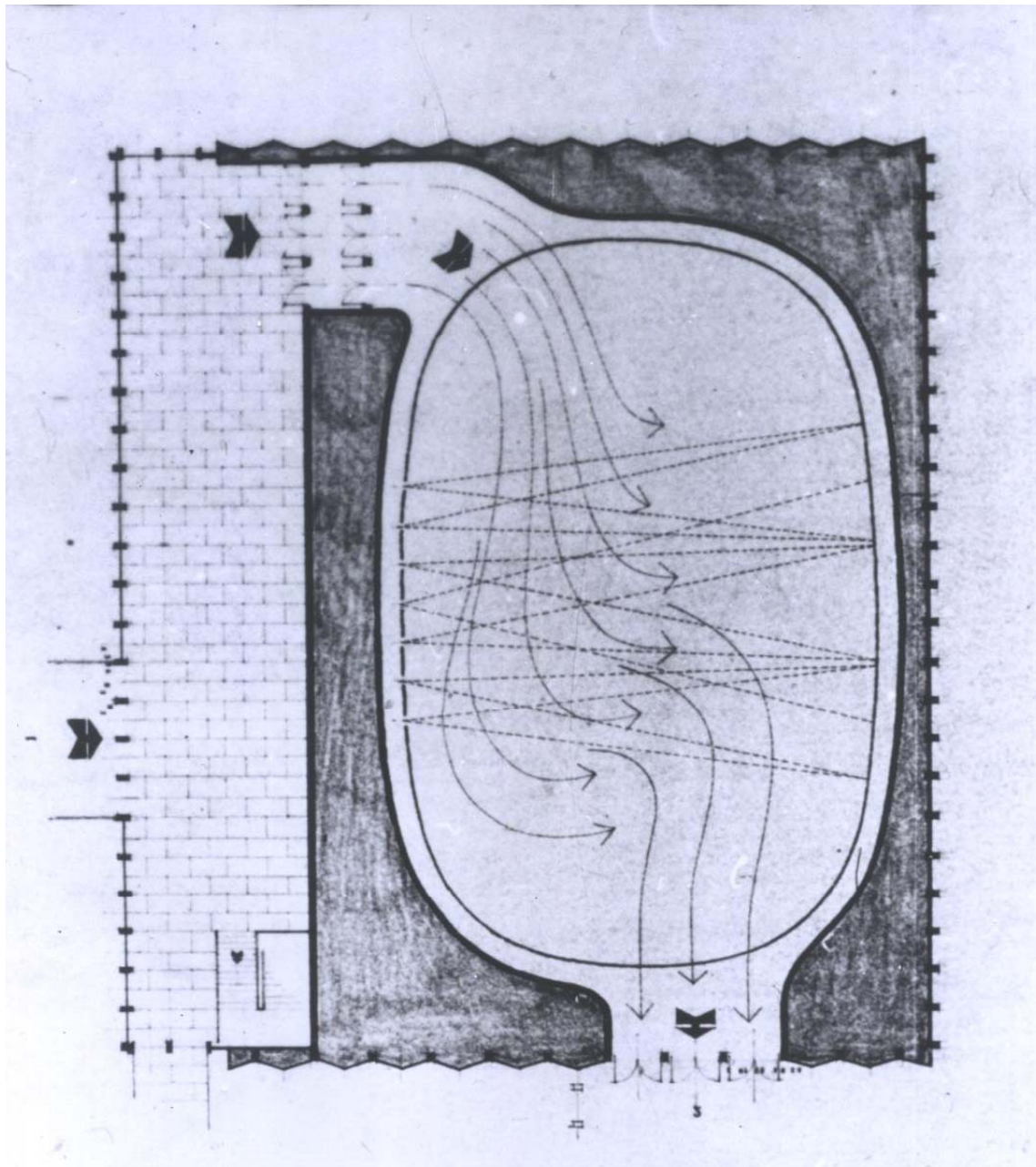
Seven 35 mm. simplex or Century projectors ( <u>NEW</u> )	)	
high intensity arc lamps	)	
arc power supply	)	
lens	)	
screens and frames	)	
magnetic penthouse sound	)	
reproducing head (same as Moscow)	)	\$53,000
audio amplif. and loudspeakers	)	
Selsyn interlock drive motors	)	
complete stock spare parts and accessories	)	
individual control boxes on each proj.	)	
all cables, wiring, boxes	)	
connectors	)	

\$97,000

Xenon lamps are extra.

CdeMBarnes

Cost of projection  
equipment in 1962 for  
the US Science Exhibit  
... House of Science  
documentary

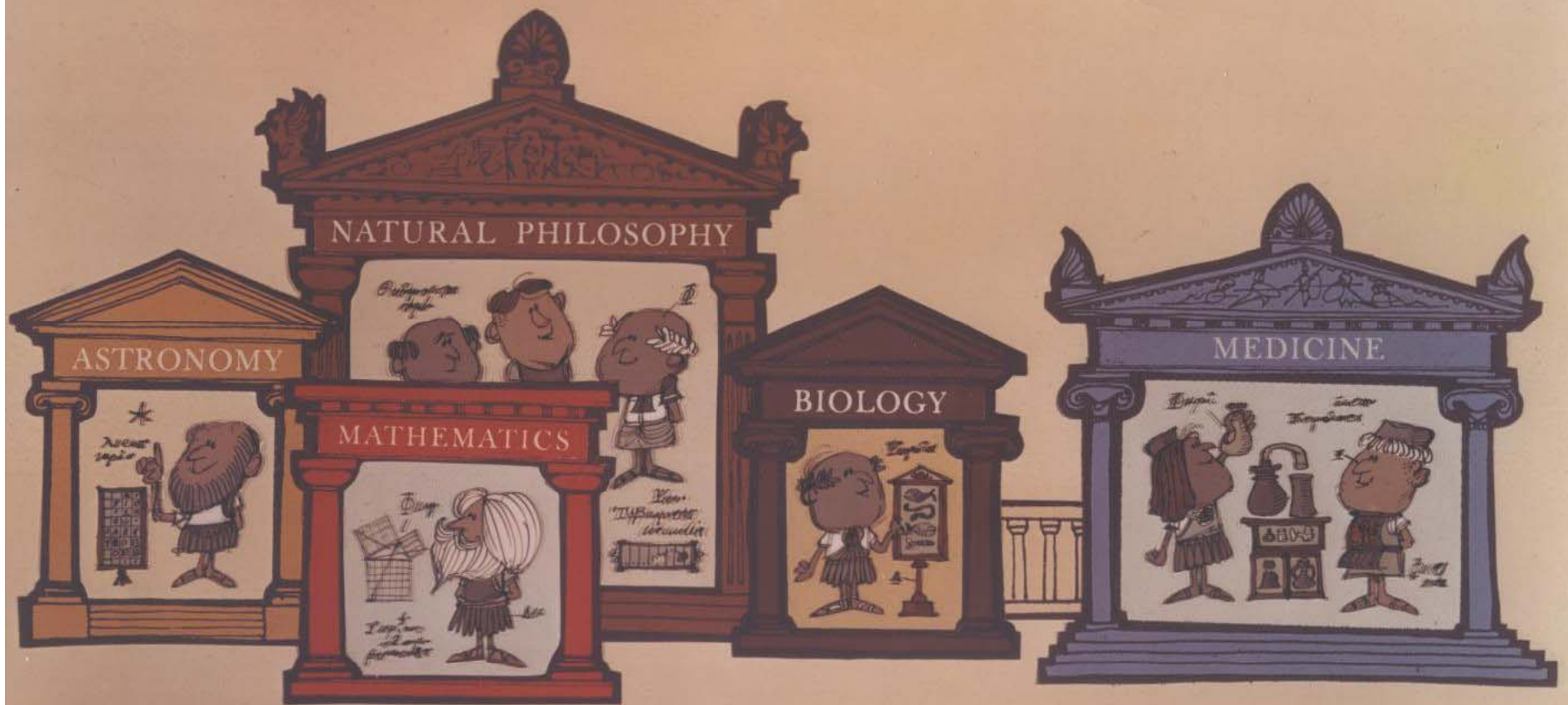


“House of Science” flow chart and floor plan showing

- 1) the flow of the audience and
- 2) the positions of the projection cameras



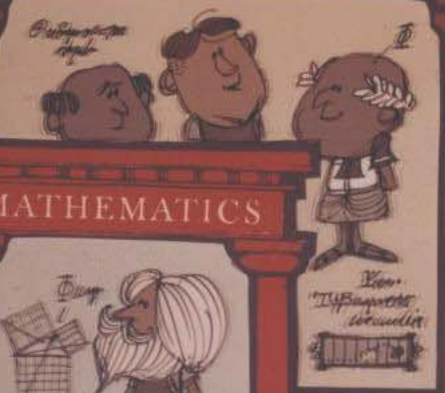
# The Finished Documentary



ASTRONOMY



NATURAL PHILOSOPHY



MATHEMATICS

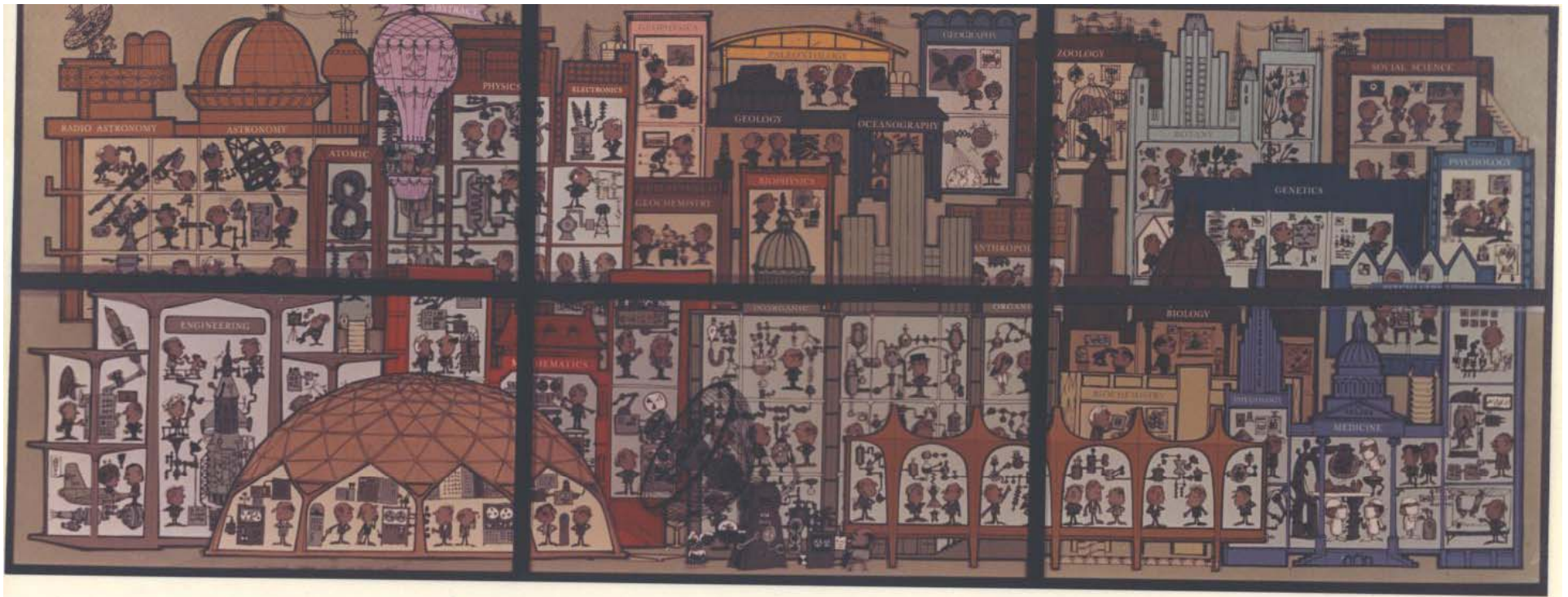


BIOLOGY



MEDICINE

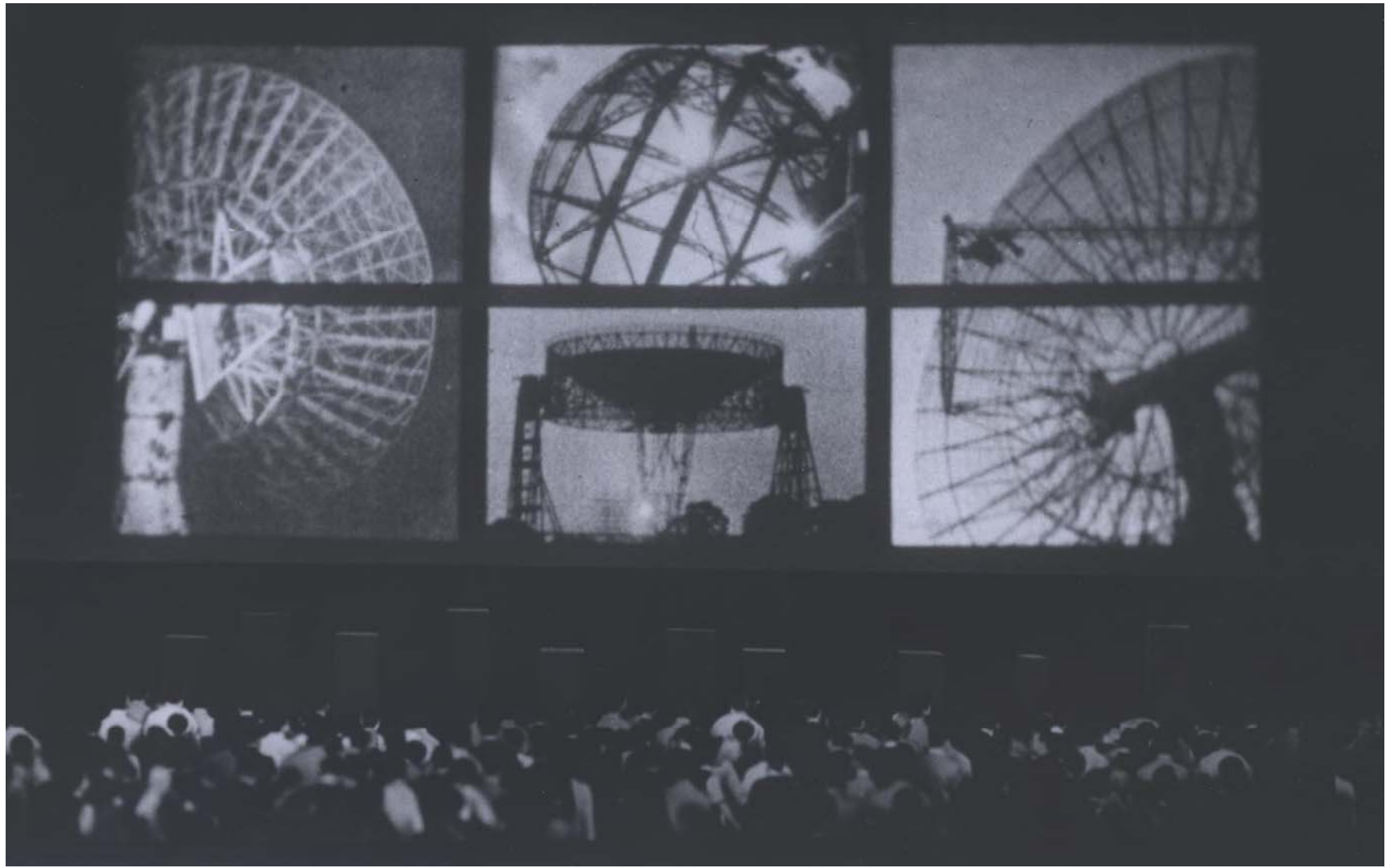












# These Documents Came From



6125 Sand Point Way NE

Seattle, WA 98115

206-336-5115

[seattle.archives@nara.gov](mailto:seattle.archives@nara.gov)