

File 1111

THE WESTINGHOUSE TIME CAPSULE

How It Is Constructed---How Word of Its Location Has Been Left For
the Future---How It Will Be Protected from Vandals--What It Contains

Leaving a record of our time for the distant future involves
three major problems:

1. How to build a vessel capable of lasting 5,000 years
2. How to leave word of its whereabouts for historians of the future
3. The selection and preservation of the contents

There are many subsidiary problems also, such as the protection of
the deposit against vandalism, the selection of the site, etc. Each of these
problems has been carefully considered by the Time Capsule Committee, aided
by some of the country's foremost archaeologists, metallurgists, engineers
and others. They have been resolved in this fashion:

The Construction of the Time Capsule was undertaken by a committee
headed by M. W. Smith, Westinghouse Manager of Engineering. It was decided
that a hard alloy of copper would be most suitable. For reasons of strength
and convenience, a torpedo shape was chosen. The Time Capsule as finally
constructed is seven and a half feet long and eight and three-eighths inches
in diameter. The outer shell consists of seven cast segments of Cupaloy
(copper 99.4 per cent, chromium .5 per cent, silver .1 per cent) which is
temperable to the hardness of mild steel; has corrosion resistance and
electrical characteristics similar to those of pure copper. The segments
are screwed together hard and sealed with asphalt, the nearly invisible
joints peened out and the outer surface burnished.

The inner crypt, six and a half inches in diameter and six feet
nine inches long, is lined with an envelope of Pyrex glass, set in a water-
repellant petroleum base wax. This crypt, evacuated, washed, and filled

with humid nitrogen, contains the "cross-section of our time".

Leaving Word For the Future: After consultation with libraries, museum authorities and the U. S. Bureau of Standards it was decided to leave word for the future by means of a book, printed on permanent paper in special inks. In order that the appearance of this BOOK OF RECORD OF THE TIME CAPSULE might match its permanence, Frederic W. Goudy consented to design it and get a portion of the type. A special run of 100-pound book paper was made to Bureau of Standards specifications. Suggestions for binding and general treatment were obtained from the office of the National Archives, The New York Public Library and other sources. The cover is royal blue buckram stamped in genuine gold. The signatures are sewed by hand with linen thread.

Copies of this book will be sent to selected libraries, museums and other repositories throughout the world, in the expectation that some will survive for the required time. The book contains a message asking that it be preserved and translated into new languages as they appear; a description of the Capsule's contents, and the exact latitude and longitude of the deposit as determined by the U. S. Coast and Geodetic Survey to the third decimal point in seconds. The geodetic coordinates are tied into the Survey's national network, on which astronomical as well as geodetic data are given. In addition, instructions are included for making and using instruments to locate the Time Capsule by the methods of electromagnetic prospecting.

That our tongue may be preserved, the book contains an ingenious "Key to the English Language" devised by Dr. John P. Harrington, of the Smithsonian Institution. By means of simple diagrams the peculiarities of English grammar are explained; a mouth map shows how each of the 33 sounds of English are pronounced. A 1,000-word vocabulary of "High Frequency English" spelled in the ordinary way and neo-phonetically is provided. In

itself the Key is believed to contain all the elements archaeologists of the future will need to translate and pronounce 1938 English, but to make doubly certain, the Time Capsule itself also contains multilingual texts, a dictionary and a lexicon of slang and colloquial English.

Choosing the Capsule's contents proved the most difficult of the three problems. It is inconceivable that any selection short of a most voluminous burial could adequately represent all the enormous variety and vigor of our contemporary scene. In making our selection we consulted archaeologists, historians, authorities in art and literature, editors and many others. Out of thousands of suggestions we finally chose to include some thirty-five articles of common use, ranging from a slide rule to a woman's hat, each selected for what it might reveal about us in the archaeological sense. About seventy-five samples of common materials are included, ranging from fabrics of various kinds, metals, alloys, plastics, and synthetics to a lump of anthracite and a dozen kinds of common seeds.

These material items, however, are only supplementary to a voluminous essay about us and our times, reduced to microfilm. On three and a half small reels there are reproduced books, articles, magazines, newspapers, reports, circulars, catalogs, pictures; discussing in logical order where we live and work, our arts and entertainment, how information is disseminated among us, our general information, our religions and philosophies, our education and educational systems, our sciences and techniques, our earth, its features and peoples; medicine, public health, dentistry and pharmacy, our major industries and other subjects. This "Micro-file" comprises more than 22,000 pages of text and 1,000 pictures; a total of more than 10,000,000 words. It includes instructions for making, among other things, a motion picture projection machine.

For use with this machine are three spools of newsreel, made up for the Time Capsule by RKO Pathe Pictures, Inc., showing about twenty

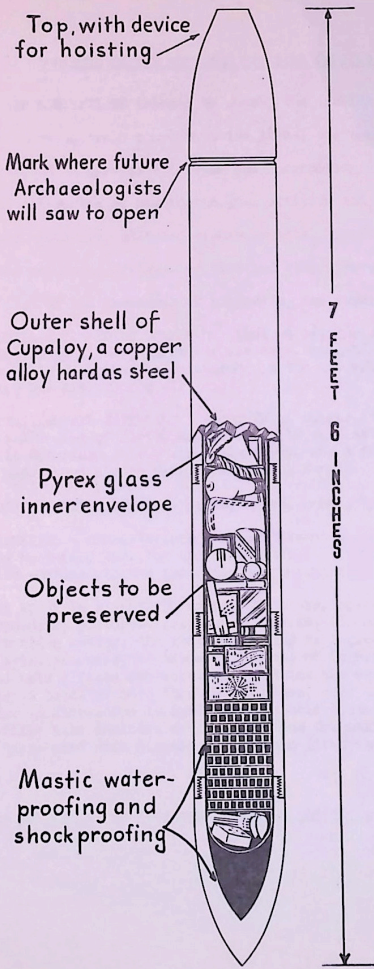
characteristic, significant or historical scenes of our times, complete with sound. A magnifier is, of course, included for reading the microfilm. Instructions are provided for making a full-size reading machine.

The Problem of Protecting the Capsule From Vandalism is well taken care of by the site selected for its burial. It is sunk 50 feet below the surface of the ground, in swampy soil. Recovery will involve an expensive and difficult engineering operation, costing many times the possible intrinsic worth of the Capsule for its metal and saleable contents.

Another problem often discussed in connection with this site is whether, 5,000 years from now, the coast will have sunk so far as to drown the area. Consultation with geologists and the U. S. Coast and Geodetic Survey indicate that there is no foundation whatever for the common notion that the East Coast is sinking. Surveys extending over the last 40 years show that if there is any sinking at all, the rate is so slow that the change in level in 5,000 years would be only a few feet. The elevation at the site of the Time Capsule is about 20 feet above sea level; plenty to spare unless the rate of change in the coast level is greatly accelerated in the future.

This task of leaving word of our time for "futurians" has been undertaken with a deep sense of our responsibility. It could never have been done were it not for the willing help of many men of science, hundreds of whom have made valuable suggestions, or given time and thought to the details of the venture.

TIME CAPSULE



CONTENTS OF THE WESTINGHOUSE TIME CAPSULE

WITHIN THE LIMITATIONS imposed by space, the problem of preservation and the difficulty of choosing truly representative items, the Westinghouse Time Capsule Committee has attempted to provide materials and information for the future touching upon the principal categories of modern thought, activity and accomplishment. To this end historians, teachers, editors, archaeologists, historians, professional men in medicine and the sciences, artists, critics and others were called upon for advice and suggestions. Out of the thousands of proposals, the Committee has chosen these:

I - SMALL ARTICLES OF COMMON USE that we wear or use, or which contribute to our comfort, convenience, safety or health. About 35 in number, these articles are separately described and pictured in the microfilm essay. In addition, labels and descriptions are wrapped with each.

II - TEXTILES AND MATERIALS. About 75 in number, these comprise swatches of various types and weaves of cloth, samples of alloys, plastics, cement, asbestos, coal, etc. Each is described in the microfilm essay, and a further description of the composition, nature and use is wrapped with each sample.

III - MISCELLANEOUS ITEMS - Seeds, books, money, type, special texts, etc.

IV - NEWSREEL - Characteristic or significant scenes in sound film prepared by RKO-Pathe Pictures, Inc. for the Time Capsule. Instructions for making a suitable projection machine: to use this film are included in the microfilm Micro-File.

V - AN ESSAY IN MICROFILM, comprising books, speeches, excerpts from books and encyclopaedias, pictures, critiques, reports, circulars, timetables and other printed or written matter; the whole producing in logical order a description of our time, our arts, sciences, techniques, sources of information and industries. The essay, divided into fifteen sub-sections, contains the equivalent of more than 100 ordinary books; a total of more than 20,000 pages, more than 10,000,000 words and 1,000 pictures. A microscope is included to enable historians of the future to read the microfilm; also included are instructions for making larger reading machines such as those used with microfilm in modern libraries.

DETAILS FOLLOW IN THE ATTACHED LISTS, IN THE ORDER ABOVE DESCRIBED.

CONTENTS OF THE WESTINGHOUSE TIME CAPSULE

(All articles are doubly described in the Capsule: in pictures and text in the microfilm Micro-File, and in special explanatory labels wrapped with or attached to each item)

I. ARTICLES OF COMMON USE

Contributing to convenience, comfort, health, safety:

Alarm clock
Can opener
Eyeglasses, bifocals (Bausch & Lomb)
Fountain pen (Waterman)
Mazda electric lamp (Westinghouse, 60 watt, 110 volt)
Mechanical pencil (Waterman)
Miniature camera (Eastman, Bantam K.A. special f.4.5 lens)
Nail file
Padlock and keys (The Yale & Towne Manufacturing Company)
Safety pin
Silverware--knife, fork, spoon (Heirloom plate, Grenoble pattern)
Slide rule (Keuffel & Esser) (Instructions for use included in Micro-File)
Tape measure (Keuffel & Esser)
Tooth brush
Tooth powder in small container
Transmitter and receiver (with cord) of ordinary handset telephone
Watch (small wrist watch for woman)
Westinghouse Sterilamp (bactericidal)

For the pleasure, use, and education of children

Boy's toy--a mechanical, spring propelled automobile
Girl's toy--a small doll
Mickey-Mouse child's cup of plastic material (Bryant Electric Company)
Set of alphabet blocks

Pertaining to the grooming and vanity of women

Woman's hat, style of Autumn, 1938 (designed specially by Lilly Daché)
Cosmetic make-up kit (Elizabeth Arden Daytime-Cyclamen Color Harmony Box, including two miniature boxes of face-powder, lipstick, rouge, eye shadow and nail polish)
Rhinestone clip (purchased at Woolworth's)

Pertaining principally to the grooming, vanity or personal habits of men

Container of tobacco
Electric razor and cord (Remington-Rand Close Shaver with Westinghouse motor, General Shaver Corp.)
Package of cigarettes
Safety razor and blades (Gillette Aristocrat one-piece razor, Gillette Safety Razor Co.)
Smoking pipe (Drinkless Kaywoodie, Kaywoodie Company)
Tobacco pouch, closed with zipper (Alfred Dunhill of London)

Pertaining to games pictured and described in Micro-file:

Baseball
Deck of cards
Golf ball (Kro-flite, A. G. Spalding & Bros.)
Golf tee
Poker chips

II. MATERIALS OF OUR DAY

Fabrics:

Asbestos cloth (Johns-Manville)
Cotton swatches (Jas. McCutcheon & Co.)
Glass fabric samples (Westinghouse glass tape)
Linen swatches (Jas. McCutcheon & Co.)
Rayon swatches (Du Pont and Celanese)
Rubber fabrics (Lastex cloth, United States Rubber Products, Inc.)
Silk swatches (Jas. McCutcheon & Co.)
Wool swatches (American Woolen Company)

Metals and Metallic Alloys:

Hipernik (Westinghouse)
Aluminum (commercially pure sample from Aluminum Company of America)
Aluminum high-strength alloy (ST 37 alloy furnished by Aluminum Co. of Amer)
Carbon steel (Electro Metallurgical Company)
Chromium (Electro Metallurgical Company)
Copper (Westinghouse Research Laboratories)
Ferromanganese (Electro Metallurgical Company)
Ferro-silicon (Electro Metallurgical Company)
Ferrovanadium (Electro Metallurgical Company)
Iron (Pure sample from Westinghouse Research Laboratories)
Magnesium high-strength alloy (Dowmetal, furnished by Dow Chemical Company)
Manganese (Electro Metallurgical Company)
Silicon (Electro Metallurgical Company)
Stainless steel (Electro Metallurgical Company)
Temperable copper (Cupaloy, furnished by Westinghouse)
Hipersil (Westinghouse)
Tungsten wire (Filament for Westinghouse Mazda electric lamp)

Non-Metallic Materials and Substances:

Airplane pulley of laminated phenol plastic (Micarto, furnished by Westinghouse)
Anthracite coal (sealed in glass, furnished by Anthracite Institute)
Artificial cellulose sponge (E. I. duPont de Nemours & Co., Inc.)
Artificial leather
Asbestos shingle (furnished by Johns-Manville)
Beetleware—a specimen of urea plastic (Westinghouse)
Carborundum (The Carborundum Company)
Glass wool
Linen packing thread
Leather samples—tanned cowhide, genuine morocco (goatskin).

Lucite--a specimen of methyl methacrylate plastic (du Pont)
Manufactured rubber (tire section furnished by Fisk Tire Co., Inc.)
Micarta--a specimen of phenol plastic (Westinghouse)
Noiseless gear of laminated phenol plastic Micarta (furnished by Westinghouse)
Paper--four kinds of permanent rag paper used in money, books, permanent ledgers and for special wrapping
Portland Cement (sample furnished by Portland Cement Co., sealed in glass)
Raw rubber (furnished by United States Rubber Products, Inc.)
Transite--a specimen of material made of asbestos and cement (Johns-Manville)
Rock wool (Johns-Manville)
Synthetic "rubber" (Neoprene Chloroprene, furnished by duPont)

III. MISCELLANEOUS ITEMS

Money of the United States--Dollar bill, silver dollar, half dollar, quarter dollar, dime, nickel, penny

Electrical items:

Electric wall switch (Bryant Electric Company)
Electric lamp socket (Bryant Electric Company)

Seeds (Selected and furnished by U.S. Department of Agriculture--All samples sealed in glass tubes)

Wheat, corn, oats, tobacco, cotton, flax, rice, soy beans, alfalfa, sugar beets, carrots, barley

Books (All other books, reports, etc. reduced to microfilm)
Selected leather-bound rag-paper copy of the Holy Bible
Copy of the Book of Record of the Time Capsule

Type (Supplementary to discussions in Micro-file)
Handset type--Capital and lowercase alphabets of Goudy Village No.2 type, 14 point
Linotype--8 point Caslon 13 em slug set on standard Linotype in the shop of the Tuckahoe Record, Tuckahoe, N.Y. The line reads: "This type set by Linotype Machine".

Optical Instrument (Other optical instruments described in Micro-File)
Magnifier and viewer for use with microfilm and newsreel film

Special Texts (Written on permanent paper in non-fading ink.)
List of Westinghouse men whose suggestions, guidance, engineering and other special skills made the Time Capsule possible.
Message from Dr. Thornwell Jacobs, President of Oglethorpe University
Special messages from noted men of our time (Albert Einstein, Robert A. Millikan, Karl T. Compton, Thomas Mann)
Certificate of Official Witnesses at packing of the Westinghouse Time Capsule

WESTINGHOUSE TIME CAPSULE
SCENARIO OF MICROFILM SEQUENCES

INTRODUCTION

1. Greetings
2. Directions for making a larger projection machine

I - AIDS TO TRANSLATION

3. Explanation of keys
4. Fable of the North Wind and the Sun in Twenty Languages
5. The Lord's Prayer in 300 Languages
6. The Practical Standard Dictionary: New York: Funk & Wagnalls
7. Dictionary of Slang and Colloquial English, by John S. Farmer and W. E. Henley: New York: E. P. Dutton & Co.

II - WHERE WE LIVE AND WORK

8. Introduction
9. Individual Homes: Architectural Forum: pages from various 1938 issues
10. Apartments, by Harvey Wiley Corbett: En. Britannica
11. The Trailer: catalogue of Kopy Coach, Kalamazoo, Mich.
12. Offices, by Harvey Wiley Corbett: En. Britannica
13. The Story of Rockefeller Center
14. Office Equipment, by W. H. Leffingwell: En. Britannica
15. Office Machines: catalogue of International Business Machines Corp.
16. Factories: En. Britannica
17. Photograph of Westinghouse East Pittsburgh Works
18. Photograph of Westinghouse Transformer Works, Sharon, Pa.
19. Photograph of Westinghouse Elevator Works, Jersey City, N. J.
20. Photograph of Headquarters of General Motors Corp., Detroit, Mich.
21. Photograph of First stages on assembly belt in General Motors factory
22. Photograph of press that makes automobile tops out of cold steel
23. Photograph of rolling cold steel
24. Photograph of pouring molten iron into a furnace

III - OUR ARTS AND ENTERTAINMENT

25. Introduction
26. The Arts, by Hendrik Willem van Loon: New York: Simon & Schuster
27. Painting: Encyclopaedia Britannica
28. Arozco Frescoes
29. "Guernica" - Pablo Picasso
30. "American Landscape" - Charles Sheeler
31. "Summer Wind" - Alexander Brook
32. "Promenade" - Charles Burchfield
33. "Lower Manhattan" - John Marin
34. "Persistence of Memory" - Salvador Dali
35. "Daughter of the American Revolution" - Grant Wood
36. "Composition in Black, White & Red" - Piet Mondrian
37. "Dr. Meyer-Hermann" - Otto Dix

SCENARIO/2

38. Sculpture: Encyclopaedia Britannica
39. Music: Encyclopaedia Britannica
40. Harmony: Encyclopaedia Britannica
41. Finlandia, by Jean Sibelius
42. The Stars and Stripes Forever, by John Philip Sousa
43. The Flat-Foot Floogee
44. Photograph of Arturo Toscanini, one of our great directors, conducting a symphony orchestra
45. Photograph of a string quartet
46. Photograph of vocal soloist accompanied by orchestra, with audience in foreground
47. Photograph of diners dancing to the accompaniment of an orchestra in a famous New York night club
48. Catalogue of instruments, showing construction, range and how to manipulate
49. Literature: introduction
50. The Essay: Encyclopaedia Britannica
51. Freud, Goethe, Wagner, by Thomas Mann: New York: Alfred A. Knopf
52. The Short Story: Encyclopaedia Britannica
53. Verse: Encyclopaedia Britannica
54. The Novel: Encyclopaedia Britannica, vol. 16, pp. 572-577
55. "Arrowsmith" by Sinclair Lewis: New York: Grosset & Dunlap
56. "Gone With The Wind" by Margaret Mitchell: New York: Macmillan
57. The Theater by George Jean Nathan: Encyclopaedia Britannica
58. Best Plays (1936-1937) by Burns Mantle: New York: Dodd, Mead
59. Motion Pictures, by Terry Ramsaye: Encyclopaedia Britannica
60. Music Hall Program for "You Can't Take It With You"
61. Radio: Encyclopaedia Britannica
62. The Story of Radio, by Orrin E. Dunlap, Jr.: New York: Dial Press
63. A radio studio, National Broadcasting Company
64. Radio Corporation of America Building, Rockefeller Center, New York
65. Master switchboard of the National Broadcasting Company
66. Director of radio dramatic program, National Broadcasting Company
67. Radio broadcasting antenna
68. Radio actors "on the air"
69. Standard Bridge Rules: R. H. Macy & Co., New York
70. A bridge tournament: Acme
71. Hoyle's Card Rules: R. H. Macy & Co., New York
72. Typical poker scene: Acme
73. Spalding's Rules of Golf
74. Typical golf match: Acme
75. Spalding's Football Rules
76. Scene from football game
77. Spalding Baseball Rules
78. Scene from baseball game

IV - HOW INFORMATION IS DISSEMINATED AMONG US

79. General Introduction
80. Magazines: Introduction
81. Saturday Evening Post
82. Collier's
83. Ladies' Home Journal
84. Woman's Home Companion
85. Vogue
86. McCall's
87. Good Housekeeping

SCENARIO/5

88. Adventure
89. Love Story
90. True Confessions
91. Complete Western Book Magazine
92. Detective Story Magazine
93. Amazing Stories
94. Weird Stories
95. American Mercury
96. Time
97. Newsweek
98. Readers' Digest
99. Harper's Magazine
100. The Atlantic Monthly
101. Scientific American
102. Life
103. Look
104. Your Life
105. Fortune
106. New Yorker
107. Introduction: A Magazine of the pre-half-tone era
108. Leslie's Weekly
109. Newspapers: Introduction
110. New York Herald Tribune
111. New York Times
112. New York World-Telegram
113. New York Sun
114. New York Post
115. New York Journal American
116. New York Daily News
117. New York Mirror
118. Daily Worker
119. The Cartoon: Introduction
120. Batchelor's "In the Spring a Young Men's Fancy..."; Chicago Tribune-New York News Syndicate
121. Talburt's "Land of the Rising or Setting Sun?" New York World-Telegram Syndicate
122. Kirby's "Laughter for the Gods", New York World-Telegram Syndicate
123. The "Funny Paper": Introduction
124. Caniff's "Terry & The Pirates"; Link's "Tiny Tim" and "Dill and Daffy"; Chicago Tribune-New York News Syndicate
125. Willard's "Moon Mullins" and Branning's "Winnie Winkle the Breadwinner" Chicago Tribune-New York News Syndicate
126. Gray's "Little Orphan Annie" and Gould's "Dick Tracy" Chicago Tribune-New York News Syndicate
127. King's "Gasoline Alley" and Edson's "The Gumps" Chicago Trib-NY News Syndicate
128. Segar's "Sappo" and "Thimble Theater", King Features
129. Knerr's "Dinglehooper & His Dog" and "The Katzenjammer Kids", King Features
130. Disney's "Mother Pluto" and "Mickey Mouse", King Features
131. DeBeck's "Bunky" and "Barney Google", King Features
132. Cady's "Peter Rabbit"; New York Herald Tribune Syndicate
133. Webster's "Timid Soul"; New York Herald Tribune Syndicate
134. Webster's "The Thrill that Comes Once in a Lifetime": N.Y. Herald Tribune Synd.

SCENARIO/4

- 135. Our Books: Introduction
- 136. Methods of Printing, by G. Leonard Gold
- 137. Design and Beauty in Printing, by Frederic W. Goudy: Press of the Woolly Whale
- 138. A History of the Printed Book, by Lawrence C. Wroth: New York: Limited Editions Club
- 139. Color in Use: International Printing Ink Corp.
- 140. Color as Light: International Printing Ink Corp.
- 141. Color Chemistry: International Printing Ink Corp.

V - A BOOK OF GENERAL INFORMATION ABOUT US

- 142. A Book of general information about us: Introduction
- 143. The World Almanac

VI - OUR RELIGIONS AND PHILOSOPHIES

- 144. Introduction
- 145. The World's Living Religions, by Robert Ernest Hume: New York: Charles Scribner's Sons
- 146. A History of Philosophy, by Alfred Weber & Ralph Barton Perry: New York: Charles Scribner's Sons

VII - OUR EDUCATION AND EDUCATIONAL SYSTEMS

- 147. Introduction
- 148. Education: Encyclopaedia Britannica
- 149. All The Children: 39th Annual Report of the Superintendent of Schools, New York City

VIII - OUR SCIENCES AND TECHNIQUES

- 150. Introduction
- 151. Science: Encyclopaedia Britannica
- 152. Scientific Method: Encyclopaedia Britannica
- 153. The Story of Science, by David Dietz: Dodd, Mead
- 154. The Smithsonian Physical Tables: Washington: Smithsonian Institution
- 155. Meteorology: Encyclopaedia Britannica
- 156. Mathematics: Encyclopaedia Britannica
- 157. Portraits of Eminent Mathematicians, by David Eugene Smith: New York: Scripta Mathematica
- 158. Telescopes: Encyclopaedia Britannica
- 159. Microscopes: Encyclopaedia Britannica

IX - OUR EARTH, ITS FEATURES AND PEOPLES

- 160. Introduction
- 161. The World Atlas: New York: Rand McNally
- 162. Our Races: Introduction
- 163. The World's Races: Encyclopaedia Britannica
- 164. Explanation of the Fundamental Triangulation Net of the United States (with map)
- 165. Methods of Surveying: Coast & Geodetic Survey booklets
- 166. Geology: Encyclopaedia Britannica
- 167. Exploring Down, by Sherwin F. Kelly
- 168. The Earth: Chester A. Reeds, New York: The University Press

X - OUR MEDICINE, PUBLIC HEALTH, DENTISTRY & PHARMACY

- 169. Introduction
- 170. Frontiers of Medicine, by Dr. Morris Fishbein: Baltimore: Williams & Wilkins
- 171. Men of Medicine: The March of Time
- 172. Work of the United States Public Health Service
- 173. Report of the Surgeon General of the United States
- 174. Dentistry: Encyclopaedia Britannica
- 175. 1937 Year Book of Dentistry
- 176. United States Pharmacopoeia
- 177. X-Ray and Fluoroscopy: catalogues of the Westinghouse X-Ray Company

XI - OUR INDUSTRIES

- 178. Introduction
- 179. Explanation of Sears, Roebuck catalogue
- 180. Sears, Roebuck catalogue
- 181. Inventions and Discoveries: Encyclopaedia Britannica
- 182. Some basic inventions of modern times: United States Patent Office
- 183. Industrial Revolution: Encyclopaedia Britannica
- 184. Industrial Relations: Encyclopaedia Britannica
- 185. Management's Responsibility to the Public: an address by A. W. Robertson, Robertson, Chairman of the Board of the Westinghouse Electric & Manufacturing Company
- 186. Law and Good Will in Industrial Relations: an address by W. G. Marshall, Vice-President of the Westinghouse Electric & Manufacturing Co.
- 187. Westinghouse Industrial Relations: a report for 1937
- 188. The Electrical Industry: Introduction
- 189. Electricity: Encyclopaedia Britannica
- 190. Electric Generator: Encyclopaedia Britannica
- 191. Electrical Power: Encyclopaedia Britannica
- 192. Electric Motor: Encyclopaedia Britannica
- 193. Electrical Engineering, Anniversary Issue, May, 1934
- 194. A Life of George Westinghouse, by Henry G. Prout: New York: Charles Scribner's
- 195. Portions of Westinghouse 1939 Catalogue
- 196. 52nd Annual Report of the Westinghouse Electric & Manufacturing Company
- 197. Westinghouse Stockholders' Quarterly for August, 1938.
- 198. Photograph of welding the new office building at the Westinghouse Transformer Works, Sharon, Pa. (242793)
- 199. "Putting in the Throw" on a 7500 kv-a synchronous condenser at the Westinghouse East Pittsburgh Works (photograph No.244056)
- 200. Photograph of tightening a "steel spider" at the Westinghouse East Pittsburgh Works (241712)
- 201. Photograph of assembling giant mill motors at the Westinghouse East Pittsburgh Works (225696)
- 202. Photograph of Ignitron tubes in the Westinghouse Research Laboratories (235185)
- 203. Photograph of testing a grid-glow tube in the Westinghouse Research Laboratories (196401)
- 204. Photograph of a lamp machine in the Westinghouse Lamp Works, Bloomfield, N.J. (W.L.-2626)
- 205. Photograph of bottom one-third of 800-foot vertical antenna of Westinghouse radio station KDKA, Pittsburgh (240240)
- 206. Photograph of a 1938 hostess inspecting complete meal cooking in Westinghouse Automeal Roaster at Merchandise Works, Mansfield, Ohio (M-23163)

207. Agriculture: Introduction
208. Agriculture: Encyclopaedia Britannica
209. Agricultural Machinery and Implements: Encyclopaedia Britannica
210. A Graphic Summary of Physical Features and Land Utilization in the United States: Department of Agriculture
211. A Graphic Summary of Farm Tenure: Department of Agriculture
212. A Graphic Summary of Farm Taxation: Department of Agriculture
213. A Graphic Summary of the Value of Farm Property: Department of Agriculture
214. A Graphic Summary of Farm Machinery, Facilities, Roads and Expenditures: Department of Agriculture
215. A Graphic Summary of Farm Labor and Population: Department of Agriculture
216. A Graphic Summary of the Number, Size, and Type of Farm and Value of Products: Department of Agriculture
217. A Graphic Summary of Farm Crops: Department of Agriculture:
218. Automobiles: Introduction
219. Motor Car: Encyclopaedia Britannica
220. Automobile Facts and Figures; Automobile Manufacturers' Association
221. A Chronicle of the Automotive Industry in America
222. Aviation: Introduction
223. Aero Engines: Encyclopaedia Britannica
224. Aeronautics: Encyclopaedia Britannica
225. Aeroplane: Encyclopaedia Britannica
226. Civil Aviation: Encyclopaedia Britannica
227. The Aircraft Yearbook for 1938: Aeronautical Chamber of Commerce of America, Inc.
228. TWA Timetable
229. United Airlines Timetable
230. Eastern Air Lines Timetable
231. American Airlines Timetable
232. Northwest Air Lines Timetable
233. Pan American Timetable
234. Air France Timetable
235. Imperial Airways Timetable
236. Swissair Timetable
237. Swedish Air Lines Timetable
238. Canadian Colonial Airways
239. Ships and Shipping: Encyclopaedia Britannica
240. Chemical Industry: Introduction
241. Table of the Elements: Fisher Scientific Company
242. Chemistry: Encyclopaedia Britannica
243. Applied Chemistry: Encyclopaedia Britannica
244. A World of Change: an address by Dr. Edward R. Weidlein as President of the American Chemical Society
245. Industrial Chemistry, by William Thornton Read: New York: John Wiley & Sons
246. Coal and Coal Mining: Introduction
247. Coal and Coal Mining: Encyclopaedia Britannica
248. The Formation and Characteristics of Pennsylvania Anthracite: The Anthracite Institute
249. Communications: Introduction
250. Telegraph: Encyclopaedia Britannica
251. Telephone: Encyclopaedia Britannica
252. Food Industries: Introduction
253. Food Preservation, Service and Supply: Encyclopaedia Britannica
254. Canning: Encyclopaedia Britannica
255. The Story of Frosted Foods: Birdseye Company
256. Nutritive Aspects of Canned Foods: The American Can Company

- 257. More About Canned Foods, a pamphlet: American Can Company
- 258. Representative Childs Menus
- 259. Metals and Mining: Introduction
- 260. Metals: Encyclopaedia Britannica
- 261. Metallurgy: Encyclopaedia Britannica
- 262. Metallography: Encyclopaedia Britannica
- 263. Iron, Iron and Steel, Iron in Art: Encyclopaedia Britannica
- 264. Aluminum: Encyclopaedia Britannica
- 265. Copper: Encyclopaedia Britannica
- 266. Metalliferous Mining: Encyclopaedia Britannica
- 267. Petroleum: Introduction
- 268. Petroleum: Encyclopaedia Britannica
- 269. The Rise of American Oil, by Leonard M. Fanning: New York: Harper & Brothers
- 270. Railroads: Introduction
- 271. Railways: Encyclopaedia Britannica
- 272. New York Central Timetable
- 273. Pennsylvania Railroad Timetable
- 274. Baltimore & Ohio Timetable
- 275. Union Pacific Timetable
- 276. Northern Pacific Timetable
- 277. Southern Pacific Timetable
- 278. Sante Fe Timetable
- 279. Streamlined Pennsylvania train
- 280. Textiles: Introduction
- 281. Textiles and Embroideries: Encyclopaedia Britannica
- 282. Weaving: Encyclopaedia Britannica
- 283. Dyeing: Encyclopaedia Britannica
- 284. Synthetic Dyes: Encyclopaedia Britannica
- 285. Designing Women, by Margaretta Byers with Consuelo Kamholz: New York: Simon & Schuster
- 286. Women's Wear Style Sheet
- 287. Women's Wear for September 1, 1938
- 288. Fall Textures in duPont Rayon (swatches included in Capsule as objects)

XII - NEW YORK WORLD'S FAIR 1939

- 289. Introduction
- 290. Message from Grover Whalen, President of the World's Fair
- 291. New York, the World's Fair City
- 292. World's Fair Bulletin A Year from Today
- 293. World's Fair Bulletin: Participation Issue
- 294. World's Fair Bulletin for June, 1938
- 295. List of Officers and Department Heads of the World's Fair

XIII - THE OBJECTS IN THE CAPSULE

- 296. Introduction and List

XIV - THE MEN WHO MADE THE CAPSULE

- 297. List

XV - HOW WE APPEAR, TALK AND ACT; AND SCENES OF OUR DAY

- 298. Introduction
- 299. Technology of Amateur and Professional Motion Pictures; En. Britannica

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- 300. Motion Picture Technology: Encyclopaedia Britannica
- 301. Photoelectricity: Encyclopaedia Britannica
- 302. Production and Projection of the Motion Picture, by Terry Ramsaye
- 303. How to build a projection machine: diagram #1
- 304. How to build a projection machine: diagram #2
- 305. A projection machine.

IV - NEWSREEL

Characteristic or Significant Scenes in Sound Film, Prepared for the Time Capsule by RKO-Pathe Pictures. Instructions for Making a Suitable Projection Machine for the Use of This Film are Included in Microfilm Micro-File.

The newsreel runs about 15 minutes. It comprises the following scenes:

1. Franklin D. Roosevelt, President of the United States, speaking at Gettysburg, Pennsylvania, July 3, 1938, on occasion of the 75th anniversary of the celebrated battle of the United States Civil War. Veterans of both sides, attending their final reunion, are present.
2. Howard Hughes, celebrated aviator, who made "Around-the-World-Flight" as "Air Ambassador" for New York's World Fair 1939, in three days, 19 1/4 hours, July 1938.
 - (a) Plane flying over New York City's skyscrapers as Hughes sets out on first lap
 - (b) Hughes' return at Floyd Bennett Field, New York City after completing flight.
 - (c) Hughes' New York reception, showing enthusiastic crowds lining the streets and paper showering down from skyscrapers.
3. Jesse Owens, American negro athlete, winning 100 meter dash in 1936 Olympic games
4. Collegiate football: Harvard-Yale, November 1936 at "Yale Bowl", New Haven, Conn Yale wins 14-13.
5. Baseball: Big League - All-Star Game at Crosley Field in Cincinnati, Ohio. 28,000 spectators - July 1938. Nationals defeat Americans 4-1.
6. United States Pacific Fleet setting out for six weeks of maneuvers, showing battleships in formation off Long Beach, California, in March 1938.
7. Soviets celebrate International Labor Day, May 1938, in Red Square, Moscow, Russia. Two shots of soldiers marching.
8. Greatest demonstration of military progress in the United States since the World War, at Fort Benning, Georgia, April 1938, showing tanks and other war machines.
9. Bombing of Canton, typical episode in the undeclared war between China and Japan. Canton, China, June 1938.
 - (a) Pathe cameraman, A. T. Hull, wearing helmet, in cockpit of plane, about to take-off to make pictures.
 - (b) Smoke rising from explosions off in distance.
 - (c) Terror-stricken civilians in street.
 - (d) Red Cross men and women, many of whom are injured while ministering to the victims.
10. Fashion Show at Miami, Florida, April 1938.
 - (a) General view of luxurious scene in which the audience is seated around a swimming pool, watching models displaying advance summer fashions.
 - (b) Two girls in long beach coats.

- (c) Two girls in long beach coats opened to reveal bathing suits, wearing enormous straw hats.
- (d) Afternoon dress.
- (e) Flowered print afternoon dress with large hat.
- (f) Another afternoon dress with brilliantly colored accessories, and large hat.

11. Preview of World's Fair - 1939: May 1938.

- (a) Motorcade of nearly 500 vehicles and floats, including the prize-winning Westinghouse float, going up a street in downtown Manhattan between sidewalks lined with crowds, under shower of paper.
 - (b) Sports float with Babe Ruth, baseball hero.
 - (c) Motorcade entering partially completed Fair grounds.
 - (d) Fiorello laGuardia, Mayor of New York City, and Grover A. Whalen, President of the Fair, in reviewing stand at Fair grounds.
 - (e) "Theme Float" bearing replica of Trylon and Perisphere.
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