

JOHN E. ALLEN, INC.

**JEA 1T01 - TELEPHONES**

<09/94>

[u-bit #19200001]

- 03:00:11 1) sources of raw material from all over the world - (S) Telephone:  
-03:26:35 flax from rubber, harvesting and processing of flax, women Material Sources  
collecting straw in field, soaking straw in hot water to extract gum (1927) Reel 1 and 2  
“The Inner Fiber Is Then Beaten Out” of 2  
men and women workers beating straw rags with wooden sticks  
“The Flax Is Spun Into Thread And Woven Into Linen. Linen Rags Are  
The Base Material In Fine Paper Manufacture, And Linen Or Flax  
Paper Is Used For Telephone Insulation.”, nickel extracted from Ontario,  
refining of nickel, iron from MN
- 03:04:38 steam shovels extracting iron ore in the Mesabe Range  
03:04:53 refining iron ore into steel by the Bessemer process  
furnace ingots through blooming mill, iron burning in pot, incandescent  
-03:26:35 chunks of metal, coal from PA, aluminum form AK
- 03:26:47 2) telephone story - (S) ?  
-03:38:43 boys wanting to hook up telephone from house to house, asking  
telephone company man for advice, he explains his job, huge poles  
with hundreds of wires etc., wires being laid underground etc.,  
boys laying their telephone wires underground, boy going into house  
and finding girl passed from stove gas, telephone company man  
performing CPR on girl  
(early 1920s)
- 03:38:50 3) “Telephone Newsreel” (S) Telephone News  
-03:48:09 assembly of telephone in Hawthorne, Illinois etc., installation of Vol. 1 Issue 1  
telephone on Long Island, woman using telephone at home, airplane [sound]  
being unloaded, mobile telephone being tested prior to offering of  
service in selected locations, people using telephones, car telephones,  
switchboards, laying of coax cable to carry television programs
- 03:45:04 *A Bird’s Ear View* - animated section showing personified birds perched  
on telephone wires asking people not to call between 6 and 9 PM and to  
please keep calls brief, animation of people using phones, switchboards,  
etc. (1950s) [AT &T]
- 03:48:16 4) giant vacuum tube - (S) Communications  
-03:58:40 explanation with animation, factory interiors, manufacturing, News And Views  
teletypewriter switchboard, long row of women at switchboards, #2  
women typing instead of plugging, CU switchboard, CU typing etc., [sound]  
radio telephone antennas, radio towers, antennas on houses, explanation  
of transmission, wave lengths etc., “The End” *The Voice That Science  
Made* (1936)