

**Teaching with Primary Sources – MHU**

**Lesson Plan: Communication Then and Now**

Recommended Grades: 5<sup>th</sup> grade

Subjects: SS, ELA, Information and Technology

Time Required: 5-7, 40 minute class sessions

Author: Caryn Levy, Media Specialist, Buncombe County Schools

Editor: Bridget Morton, TPS Assistant Director



***Overview***

As students examine primary sources related to types of communication, they will examine various ways humans have communicated throughout history and how they have invented new types of communication to overcome environmental and social barriers. Students will explore how communication has helped individuals work together despite geographical limits. After exploring this topic with primary source images, students will reflect on the future of technology by determining a current challenge in human communication and developing a communication model that will defeat this challenge. Students will present their communication models and receive critical feedback.

***Curriculum Standards***

**Social Studies**

5.G.1 Explain how technological advances have allowed people to overcome geographic limits.

**Information and Technology**

5.S.1.2 Use relevant sources of information for an assigned task.

5.TT.1.3 Use technology tools to present information and data.

5.RP.1.1 Implement a research process by collaborating effectively with other students.

**ELA**

RI.5.1 Quote accurately from a text when explaining what a text says explicitly and as well as inferences drawn from a text.

## Primary Sources



- **Title:** Carriers start for Wash'n [i.e., Washington], 2/13/15
- **Creator(s):** [Bain News Service](#), publisher
- **Date Created/Published:** 1915 Feb. 13 (date created or published later by Bain)
- **Medium:** 1 negative : glass ; 5 x 7 in. or smaller.
- **Summary:** Photograph shows officials of the Poultry and Pigeon Show on the roof of Madison Square Garden in New York City, releasing pigeons carrying peace messages for President Wilson in Washington, D.C. (Source: Flickr Commons project, 2012)
- **Reproduction Number:** LC-DIG-ggbain-18399 (digital file from original negative)
- **Format:** [glass negatives](#).

<http://www.loc.gov/pictures/resource/ggbain.18399/>



- **Title:** Letter carrier feeding pigeons
- **Date Created/Published:** [1923]
- **Medium:** 1 negative : glass ; 5 x 7 in. or smaller
- **Reproduction Number:** LC-DIG-npcc-23840 (digital file from original)
- **Rights Advisory:** No known restrictions on publication. For more information, see National Photo Company Collection - Rights and Restrictions Information [https://www.loc.gov/rr/print/res/275\\_npco.html](https://www.loc.gov/rr/print/res/275_npco.html)
- **Call Number:** LC-F81- 22445 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/npcc.23840/>



- **Title:** Japanese carrier pigeon troops
- **Creator(s):** [Bain News Service](#), publisher
- **Date Created/Published:** [1922 Dec. 6] (date created or published later by Bain)
- **Medium:** 1 negative : glass ; 5 x 7 in. or smaller.
- **Reproduction Number:** LC-DIG-ggbain-35282 (digital file from original negative)
- **Rights Advisory:** No known restrictions on publication. For more information, see George Grantham Bain Collection - Rights and Restrictions Information [https://www.loc.gov/rr/print/res/274\\_bain.html](https://www.loc.gov/rr/print/res/274_bain.html)
- **Call Number:** LC-B2- 5889-6 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/ggbain.35282/>



- **Title:** Major F.J. McCoy communicating with Arapaho chief Goes-In-Lodge thru the sign language
- **Date Created/Published:** c1923.
- **Medium:** 1 photographic print.
- **Summary:** Major F.J. McCoy and Arapaho Chief Goes-In-Lodge, using sign language, seated in front of tipi.
- **Reproduction Number:** LC-USZ62-124291 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication. No renewal in the U.S. Copyright Office (checked 10/2014).
- 
- **Call Number:** LOT 12845 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C., 20540 USA

<http://www.loc.gov/pictures/resource/cph.3c24291/>



- **Title:** Helen Keller reading a woman's fingers as another woman watches
- **Creator(s):** [Gerhard Sisters](#), photographer
- **Date Created/Published:** c1914.
- **Medium:** 1 photographic print.
- **Summary:** Photo shows communication using the manual alphabet for finger spelling.
- **Reproduction Number:** LC-USZ62-78945 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** BIOG FILE - Keller, Helen [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/cph.3b26029/>


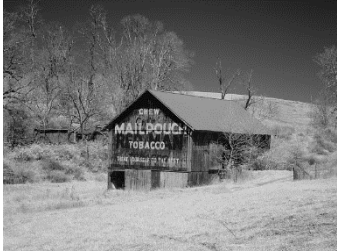



- **Title:** Helen Keller, 1880-1968
- **Date Created/Published:** c1907.
- **Medium:** 1 photographic print.
- **Summary:** 3/4 length., seated, facing right; teaching a girl sign language.
- **Reproduction Number:** LC-USZ62-78999 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** BIOG FILE - Keller, Helen, 1880-1968 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/cph.3b26080/>



- **Title:** The Hollywood sign, a landmark and American cultural icon located in Los Angeles, California
- **Creator(s):** [Highsmith, Carol M., 1946-](#), photographer
- **Date Created/Published:** 2012.
- **Medium:** 1 photograph : digital, tiff file, color.
- **Reproduction Number:** LC-DIG-highsm-22788 (original digital file)
- **Rights Advisory:** No known restrictions on publication.

	<ul style="list-style-type: none"> <li>• <b>Call Number:</b> LC-DIG-highsm- 22788 (ONLINE) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/resource/highsm.22788/">http://www.loc.gov/pictures/resource/highsm.22788/</a></p>
	<ul style="list-style-type: none"> <li>• <b>Title:</b> Showgirl in front of the historic Las Vegas sign, Las Vegas, Nevada</li> <li>• <b>Creator(s):</b> <a href="#">Highsmith, Carol M., 1946-</a>, photographer</li> <li>• <b>Date Created/Published:</b> [between 1980 and 2006]</li> <li>• <b>Medium:</b> 1 transparency : color ; 4 x 5 in. or smaller.</li> <li>• <b>Reproduction Number:</b> LC-DIG-highsm-12610 (digital file from original) LC-HS503-1349 (color film transparency)</li> <li>• <b>Rights Advisory:</b> No known restrictions on publication.</li> <li>• <b>Call Number:</b> LC-HS503- 1349 (ONLINE) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/item/2011630804/resource/">http://www.loc.gov/pictures/item/2011630804/resource/</a></p>
	<ul style="list-style-type: none"> <li>• <b>Title:</b> Mail Pouch tobacco barn on historic National Road, Ohio</li> <li>• <b>Creator(s):</b> <a href="#">Highsmith, Carol M., 1946-</a>, photographer</li> <li>• <b>Date Created/Published:</b> 2004 September 9.</li> <li>• <b>Medium:</b> 1 photograph : digital, TIFF file, color.</li> <li>• <b>Reproduction Number:</b> LC-DIG-highsm-04326 ( digital file)</li> <li>• <b>Rights Advisory:</b> No known restrictions on publication.</li> <li>• <b>Call Number:</b> LC-DIG-highsm- 04326 (ONLINE) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/resource/highsm.04326/">http://www.loc.gov/pictures/resource/highsm.04326/</a></p>
	<ul style="list-style-type: none"> <li>• <b>Title:</b> An everyday soldier's garb and possessions inside a cabin at Fort Caspar, a reconstructed 1865 military post located at a North Platte River crossing on the Oregon, Mormon Pioneer, California, and Pony Express trails and the transcontinental telegraph trail corridor in Casper, Wyoming</li> <li>• <b>Creator(s):</b> <a href="#">Highsmith, Carol M., 1946-</a>, photographer</li> <li>• <b>Date Created/Published:</b> 2015-08-16.</li> <li>• <b>Medium:</b> 1 photograph : digital, tiff file, color.</li> <li>• <b>Reproduction Number:</b> LC-DIG-highsm-34095 ( digital file)</li> <li>• <b>Rights Advisory:</b> No known restrictions on publication.</li> <li>• <b>Call Number:</b> LC-DIG-highsm- 34095 (ONLINE) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/resource/highsm.34095/">http://www.loc.gov/pictures/resource/highsm.34095/</a></p>





- **Title:** War dog feature of Red Cross Parade. Mrs. Leo Wanner, and her Red Cross dog, "Filax," one of the features of the great Red Cross parade in New York, Oct. 4
- **Date Created/Published:** Feb. 1920.
- **Medium:** 1 negative : glass ; 5 x 7 in.
- **Reproduction Number:** LC-DIG-anrc-06286 (digital file from original)
- **Rights Advisory:** No known restrictions on publication. For information, see "American National Red Cross photograph collection," ([http://www.loc.gov/rr/print/res/717\\_anrc.html](http://www.loc.gov/rr/print/res/717_anrc.html))
- **Call Number:** LC-A6196- 1729 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/anrc.06286/>



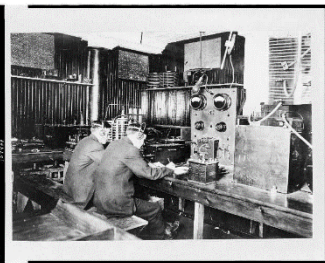
- **Title:** Dog team carrying mail
- **Date Created/Published:** [between ca. 1900 and 1923]
- **Medium:** 1 photographic print.
- **Summary:** Dog team resting near sled, with driver, in snow-covered fields.
- **Reproduction Number:** LC-DIG-pmsc-01577 (digital file from original)
- **Rights Advisory:** No known restrictions on publication.
- **Access Advisory:** No known restrictions on reproduction.
- **Call Number:** LOT 11453-1, no. 22 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/item/99614302/resource/>



- **Title:** Police dogs, policeman, and thief, New York City
- **Creator(s):** [Bain News Service](#), publisher
- **Date Created/Published:** 1912 (date created or published later by Bain)
- **Medium:** 1 negative : glass ; 5 x 7 in. or smaller.
- **Reproduction Number:** LC-DIG-ggbain-00002 (digital file from original neg.)
- **Rights Advisory:** No known restrictions on publication. For more information, see George Grantham Bain Collection - Rights and Restrictions Information [https://www.loc.gov/rr/print/res/274\\_bain.html](https://www.loc.gov/rr/print/res/274_bain.html)
- **Call Number:** LC-B2- 2-3 [P&P] LOT 10842 (Corresponding print)
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/item/2014680001/resource/>



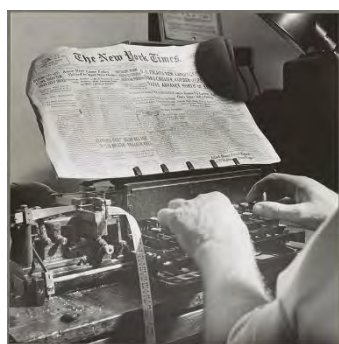
- **Title:** [Marconi wireless school, New York. Operators copying messages transmitted from ships at sea]
- **Date Created/Published:** c1912.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-USZ62-107408 (b&w film copy neg.)
- **Call Number:** LOT 11133 <item> [P&P]

<http://www.loc.gov/pictures/item/93504726/resource/>



- **Title:** Argentine, near Kansas City, Kansas. Writing train orders in the telegraph room of the Atchison, Topeka and Santa Fe Railroad offices
- **Creator(s):** [Delano, Jack](#), photographer
- **Date Created/Published:** 1943 Mar.
- **Medium:** 1 negative : safety ; 3 1/4 x 4 1/4 inches or smaller.
- **Reproduction Number:** LC-USW3-019145-D (b&w film neg.)
- **Rights Advisory:** No known restrictions. For information, see U.S. Farm Security Administration/Office of War Information Black & White Photographs
- [http://www.loc.gov/rr/print/res/071\\_fsab.html](http://www.loc.gov/rr/print/res/071_fsab.html)
- **Call Number:** LC-USW3- 019145-D [P&P] LOT 787 (Location of corresponding print.) (corresponding photographic print)
- **Other Number:** G 52157
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/item/2017847048/resource/>



- **Title:** Newsroom of the New York Times newspaper Copy readers at the telegraph desk which handles all dispatches from the U.S., outside New York city. Man wears hat because of draught.
- **Creator(s):** [Collins, Marjory, 1912-1985](#), photographer
- **Date Created/Published:** 1942 September.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-DIG-ds-02122 (digital file)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** FSA/OWI COLL - D876 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/ds.02121/>



- **Title:** New York, New York. Composing room of the New York Times newspaper. Linotype's hands
- **Creator(s):** [Collins, Marjory, 1912-1985](#), photographer
- **Date Created/Published:** 1942 Sept.
- **Medium:** 1 negative : nitrate ; 2 1/4 x 2 1/4 inches or smaller.
- **Reproduction Number:** LC-DIG-fsa-8d22724 (digital file from original neg.) LC-USW3-009073-E (b&w film nitrate neg.)
- **Rights Advisory:** No known restrictions. For information, see U.S. Farm Security Administration/Office of War Information Black & White Photographs ([http://www.loc.gov/rr/print/res/071\\_fsab.html](http://www.loc.gov/rr/print/res/071_fsab.html))
- **Call Number:** LC-USW3- 009073-E [P&P] LOT 242 (Location of corresponding print.) (corresponding photographic print)
- **Other Number:** D 6142
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>  
<http://www.loc.gov/pictures/item/2017837926/resource/>



- **Title:** [Mail carrier, Puerto Rico]
- **Date Created/Published:** [between ca. 1890 and 1923]
- **Medium:** 1 photographic print.
- **Summary:** Man on horse with box labeled "correo" outside wooden U.S. Post Office building.
- **Reproduction Number:** LC-USZ62-101302 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** LOT 11356-30B <item> [P&P]  
<http://www.loc.gov/pictures/resource/cph.3c01302/>



- **Title:** A Letter to papa
- **Date Created/Published:** c1904.
- **Medium:** 1 photo print on stereo card : stereograph.
- **Summary:** Girl handing letter to mailman.
- **Reproduction Number:** LC-USZ62-99593 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** STEREO SUBJ FILE - Postal service--Delivery--Letter carriers  
<http://www.loc.gov/pictures/resource/cph.3b45635/>

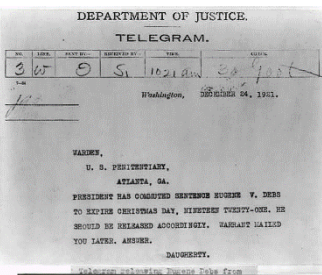


- **Title:** [Civil War envelope for U.S. Christian Commission showing carrier pigeon with letter]
- **Related Names:**
  - [United States Christian Commission](#) , funder/sponsor
- **Date Created/Published:** [between 1861 and 1865]
- **Medium:** 1 print on envelope.
- **Reproduction Number:** LC-DIG-ppmsca-31700 (digital file from original item)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** LOT 14043-6, no. 2 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>  
<http://www.loc.gov/pictures/resource/ppmsca.31700/>



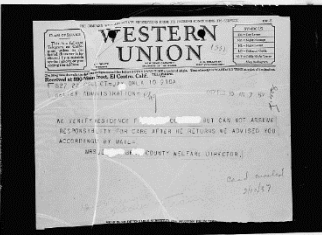
- **Title:** Baum, Geo. L., Captain, 11/18/19
- **Date Created/Published:** [19]19 November 18.
- **Medium:** 1 negative : glass ; 4 x 5 in. or smaller
- **Reproduction Number:** LC-DIG-npcc-00822 (digital file)
- **Rights Advisory:** No known restrictions on publication. For more information, see National Photo Company Collection - [https://www.loc.gov/rr/print/res/275\\_npco.html](https://www.loc.gov/rr/print/res/275_npco.html)
- **Call Number:** LC-F8- 5916 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/npcc.00822/>



- **Title:** Telegram from Atty. Gen. Daugherty to Warden, Atlanta Penitentiary, regarding the commutation by Pres. Harding of Eugene Debs sentence
- **Date Created/Published:** 1921 Dec. 26.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-USZ62-85708 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** LOT 12293, v. 3 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/cph.3b32233/>



- **Title:** Western Union telegram
- **Date Created/Published:** [between 1935 and 1942]
- **Medium:** 1 negative : safety ; 5 x 7 inches or smaller.
- **Reproduction Number:** LC-USF344-03794-ZB (b&w film neg.)
- **Rights Advisory:** No known restrictions on images made by the U.S. government; images copied from other sources may be restricted. For information, see U.S. Farm Security Administration/Office of War Information Black & White Photographs([http://www.loc.gov/rr/print/res/071\\_fsab.html](http://www.loc.gov/rr/print/res/071_fsab.html))
- **Call Number:** LC-USF344- 003794-ZB [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/fsa.8e06569/>

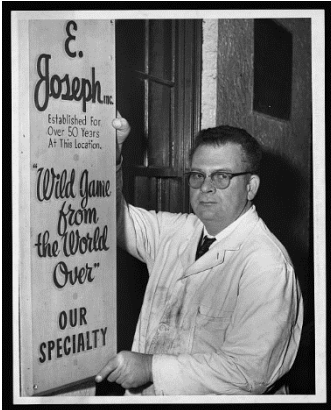


- **Title:** Western Union Telegram
- **Creator(s):** [Harris & Ewing](#), photographer
- **Date Created/Published:** [1923 February]
- **Medium:** 1 negative : glass ; 4 x 5 in. or smaller
- **Reproduction Number:** LC-DIG-hec-42815 (digital file from original negative)
- **Rights Advisory:** No known restrictions on publication. For more information, see Harris & Ewing Photographs - Rights and Restrictions Information([http://www.loc.gov/rr/print/res/140\\_harr.html](http://www.loc.gov/rr/print/res/140_harr.html))



- **Call Number:** LC-H234- A-5368 [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/hec.42815/>



- **Title:** [Butcher Milton Joseph, Jr., holding up a sign for his family's business at Washington Market, New York City] / World Telegram & Sun photo by Herman Hiller.
- **Creator(s):** [Hiller, Herman](#), photographer
- **Date Created/Published:** 1957.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-DIG-ppmsca-12740 (digital file from original photograph)
- **Rights Advisory:** No known copyright restriction. For information see "New York World-Telegram & ...," ([http://www.loc.gov/rr/print/res/076\\_nyw.html](http://www.loc.gov/rr/print/res/076_nyw.html))
- **Call Number:** NYWTS - SUBJ/GEOG--Markets--Washington Market--Retail [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/ppmsca.12740/>



- **Title:** [Sign announcing an auction to sell Washington Market] / World Telegram & Sun photo by Walter Albertin.
- **Creator(s):** [Albertin, Walter](#), photographer
- **Date Created/Published:** 1958.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-DIG-ppmsca-12748 (digital file from original photograph)
- **Rights Advisory:** No known copyright restriction. For information see "New York World-Telegram & ...," ([http://www.loc.gov/rr/print/res/076\\_nyw.html](http://www.loc.gov/rr/print/res/076_nyw.html))
- **Call Number:** NYWTS - SUBJ/GEOG--Markets--Washington Market--Retail [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/ppmsca.12748/>



- **Title:** [Police in Harlem standing on the street with guns drawn and pointing upwards during the July 1964 race riots] / World Telegram & Sun photo by Stanley Wolfson.
- **Creator(s):** [Wolfson, Stanley](#), photographer
- **Date Created/Published:** 1964.
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-USZ62-136928 (b&w film copy neg.)
- **Rights Advisory:** No known copyright restriction. For information see "New York World-Telegram & ...," ([http://www.loc.gov/rr/print/res/076\\_nyw.html](http://www.loc.gov/rr/print/res/076_nyw.html))
- **Call Number:** NYWTS - SUBJ/GEOG-- Riots--Race--1964 [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/cph.3c36928/>



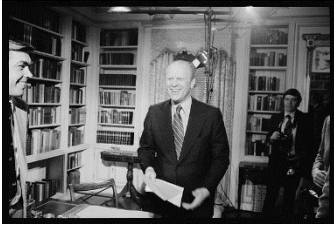
- **Title:** Sign: "From a hot dog to an international habit" / World Telegram & Sun photo by Roger Higgins.
- **Creator(s):** [Higgins, Roger](#), photographer
- **Date Created/Published:** 1959 July 22.
- **Medium:** 1 photograph : gelatin silver print, black and white ; 21 x 26 cm. (8 x 10 in. format)
- **Summary:** Photograph showing Nathan Handwerker pointing to restaurant sign painted on outside wall.
- **Reproduction Number:** LC-DIG-ds-05418 (digital file from original photograph)
- **Rights Advisory:** No known copyright restriction. For information see "New York World-Telegram & ...," ([http://www.loc.gov/rr/print/res/076\\_nyw.html](http://www.loc.gov/rr/print/res/076_nyw.html))
- **Call Number:** NYWTS - SUBJ/GEOG-- Restaurants -- Nathan's Famous - Coney Island [item] [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/ds.05418/>



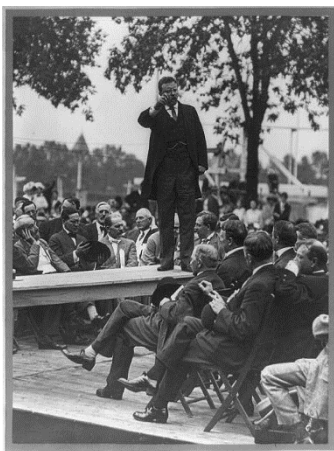
- **Title:** [Speech at Asheville, N.C., Sept. 9, 1902]
- **Date Created/Published:** c1907 January 5.
- **Medium:** 1 photographic print.
- **Summary:** Photograph showing Theodore Roosevelt speaking to a crowd.
- **Reproduction Number:** LC-DIG-ppmsca-36581 (digital file from original item) LC-USZ62-22998 (b&w film copy neg. of left half stereo)
- **Rights Advisory:** No known restrictions on publication. No renewal in Copyright office.
- **Call Number:** PRES FILE - Roosevelt, Theodore--Speaking
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

<http://www.loc.gov/pictures/resource/cph.3a24069/>



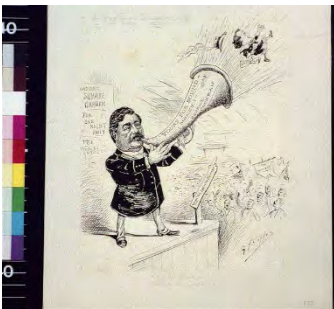
- **Title:** [President Gerald Ford standing and smiling after giving a television speech at the White House, Washington, D.C.]
- **Creator(s):** [Trikosko, Marion S.](#), photographer
- **Date Created/Published:** 1975 Jan. 13.
- **Medium:** 1 negative : film.
- **Reproduction Number:** LC-DIG-ppmsca-08455 (digital file from original negative)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** LC-U9- 30635A-19A [P&P]
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/ppmsca.08455/>



- **Title:** [Theodore Roosevelt standing on table outdoors and making speech to men seated around him, right hand raised] / Smith Art Photography, Freeport, Ill.
- **Date Created/Published:** [between 1885 and 1919]
- **Medium:** 1 photographic print.
- **Reproduction Number:** LC-USZ62-95886 (b&w film copy neg.)
- **Call Number:** LOT 8965 [item] [P&P]

<http://www.loc.gov/pictures/resource/cph.3b42016/>



- **Title:** A fog-horn conclusion
- **Creator(s):** [Coffin, George Yost, 1850-1896](#), artist
- **Date Created/Published:** 1896 Aug. 20.
- **Medium:** 1 drawing.
- **Reproduction Number:** LC-USZ62-14675 (b&w film copy neg.)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** CD 1 - Coffin (G.Y.), no. 177 (B size)
- **Repository:** Library of Congress Prints and Photographs Division  
Washington, D.C. 20540 USA <http://hdl.loc.gov/loc.pnp/pp.print>

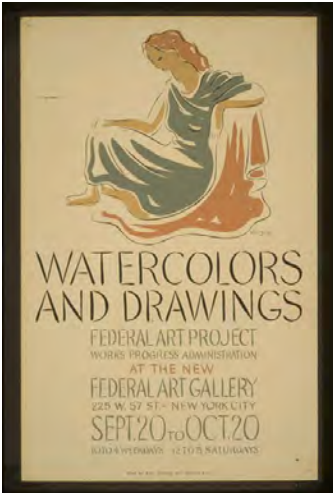
<http://www.loc.gov/pictures/item/2016679820/>



- **Title:** Scientific researches! - New discoveries in pneumaticks! - or - An experimental lecture on the powers of air / /Js. Gillray inv. & fect.
- **Creator(s):** [Gillray, James, 1756-1815](#), artist
- **Date Created/Published:** [London] : Pubd. by H. Humphrey, 1802 May 23d.
- **Medium:** 1 print : engraving, color.
- **Summary:** A satire on the fashionable lectures at the Royal Institution, showing Thomas Young(?), doing an experiment, holding Sir J.C. Hippisley by his nose, and applying to his mouth a tube from an apparatus in which a gas has been made.

	<ul style="list-style-type: none"> <li>• <b>Reproduction Number:</b> LC-USZC4-3139 (color film copy transparency) LC-USZ62-62118 (b&amp;w film copy neg.)</li> <li>• <b>Rights Advisory:</b> No known restrictions on publication.</li> <li>• <b>Call Number:</b> PC 1 - 9923 (B size) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA</li> </ul> <p>•</p> <p><a href="http://www.loc.gov/pictures/resource/cph.3g03139/">http://www.loc.gov/pictures/resource/cph.3g03139/</a></p>
	<ul style="list-style-type: none"> <li>• <b>Title:</b> G.F. Bailey, scientific aide, at work on carotene determination test on dehydrated vegetables. Regional agricultural research laboratory, Albany, California</li> <li>• <b>Creator(s):</b> <a href="#">Lee, Russell, 1903-1986</a>, photographer</li> <li>• <b>Date Created/Published:</b> 1942 June.</li> <li>• <b>Medium:</b> 1 negative : safety ; 3 1/4 x 4 1/4 inches or smaller.</li> <li>• <b>Reproduction Number:</b> LC-USW3-003775-D (b&amp;w film neg.)</li> <li>• <b>Rights Advisory:</b> No known restrictions. For information, see U.S. Farm Security Administration/Office of War Information Black &amp; White Photographs(<a href="http://www.loc.gov/rr/print/res/071_fsab.html">http://www.loc.gov/rr/print/res/071_fsab.html</a>)</li> <li>• <b>Call Number:</b> LC-USW3- 003775-D [P&amp;P] LOT 130 (Location of corresponding print.) (corresponding photographic print)</li> <li>• <b>Other Number:</b> J 58</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/resource/fsa.8d05230/">http://www.loc.gov/pictures/resource/fsa.8d05230/</a></p>
	<ul style="list-style-type: none"> <li>• <b>Title:</b> John Wilkes Booth diary, artifact in the museum collection, National Park Service, Ford's Theatre National Historic Site, Washington, D.C.</li> <li>• <b>Creator(s):</b> <a href="#">Highsmith, Carol M., 1946-</a>, photographer</li> <li>• <b>Date Created/Published:</b> 2007 May 28.</li> <li>• <b>Medium:</b> 1 photograph : digital, TIFF file, color.</li> <li>• <b>Reproduction Number:</b> LC-DIG-highsm-04719 (original digital file)</li> <li>• <b>Rights Advisory:</b> No known restrictions on publication.</li> <li>• <b>Call Number:</b> LC-DIG-highsm- 04719 (ONLINE) [P&amp;P]</li> <li>• <b>Repository:</b> Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA <a href="http://hdl.loc.gov/loc.pnp/pp.print">http://hdl.loc.gov/loc.pnp/pp.print</a></li> </ul> <p><a href="http://www.loc.gov/pictures/resource/highsm.04719/">http://www.loc.gov/pictures/resource/highsm.04719/</a></p>





- **Title:** Watercolors and drawings, Federal Art Project, Works Progress Administration, at the new Federal Art Gallery / herzog.
- **Creator(s):** [Herzog, Harry](#), artist
- **Date Created/Published:** NYC : WPA Federal Art Project, [1936 or 1937]
- **Medium:** 1 print on board (poster) : silkscreen, color.
- **Summary:** Poster for Federal Art Project exhibition of watercolors and drawings at the Federal Art Gallery, 225 W. 57 St., New York City, showing a seated woman.
- **Reproduction Number:** LC-USZC4-3641 (color film copy transparency) LC-USZC2-5323 (color film copy slide)
- **Rights Advisory:** No known restrictions on publication.
- **Call Number:** POS - WPA - NY .H47, no. 10 (B size) [P&P]
- **Repository:** Library of Congress Prints and Photographs Division Washington, D.C. 20540 USA

<http://www.loc.gov/pictures/resource/cph.3f05323/>

**Day 1: The introduction to this lesson will activate background knowledge regarding types of communication in the past.**

<b>Step 1</b>	Primary Source Analysis – Each student/pair of students is given a communication image from the “Primary Source Resource Table” above. Students will use the <a href="#">Primary Source Analysis tool</a> to examine their image.
<b>Step 2</b>	Matchmaker Activity – After individual analysis students will stand up and move around the room to find the image that matches their own image – a similar type of communication. Once they have located their partner, student groups should answer the following questions on a sticky note/note card/journal: <ol style="list-style-type: none"> <li>1) What type of communication is illustrated in your images?</li> <li>2) Similarities?</li> <li>3) Differences?</li> <li>4) From what time period do you think your images come from? Why? What evidence from the source supports this?</li> </ol> Proceed around the classroom for a share out of each group’s discussion, making a class list of types of communication represented in the images.
<b>Formative Assessment</b>	Student will remain in partner groups but reflect on pros/cons of communication in the past using a <a href="#">Padlet like this one</a> . If teacher chooses not to use a Padlet, use a format that will allow each group to reflect on the pros/cons of each communication type illustrated. A non-technology example is illustrated in <a href="#">this chart</a> .

**Day 2: Students will connect communication in the past with communication that is used today.**

<b>Step 1</b>	Teacher will share a few of the pros and cons from yesterday’s discussion. Then students will participate in a sticky slam at their desk in small groups. <ul style="list-style-type: none"> <li>• Each group member will receive a stack of sticky notes</li> <li>• Teacher will put a one minute timer on the board and each student will try to think of as many types of communication that we use in contemporary</li> </ul>
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	<p>society as possible. He or she will write one type of communication on each sticky note and place that sticky note in the middle of his group.</p> <ul style="list-style-type: none"> <li>• At the end of one minute, groups will sort their sticky notes into groups and label each group with a type of communication.</li> <li>• Each group will share out and teacher will compile a group list.</li> </ul>
<b>Step 2</b>	Each group will be assigned one of the contemporary types of communication to research. Teacher will review good research strategies by modeling the process for one of the communication types that was not assigned to students.
<b>Step 3</b>	Each group will be required to locate a source that explains the positives of their type of communication and a source that discusses the negatives of this type of communication.
<b>Formative Assessment</b>	Groups will use sources to determine three positives and three negatives for their type of communication. They will demonstrate this knowledge with a poster that includes three pros and three cons with a quoted piece of evidence for each from the sources they found during research time.

<b>Day 3: Students will now begin determining a current communication problem and creating a possible solution.</b>	
<b>Step 1:</b>	Class will begin with each group sharing their research findings from yesterday's class. All audience members should be taking notes as they will use this research information to begin brainstorming their problem to be solved.
<b>Step 2</b>	<p>Group Brainstorming:</p> <ol style="list-style-type: none"> <li>1) The Problem: Why is a new product needed?</li> <li>2) Research: What are possible ways to solve this problem? Types of products?</li> <li>3) Design: Brainstorm and plan multiple solutions.</li> </ol> <p>*Modifications – Teacher conferences during the brainstorming to help guide students who are struggling.</p>
<b>Step 3</b>	<p>Individual Reflection –</p> <p>After group brainstorming, set aside some quiet time for each individual to reflect on the group's ideas. Individuals should describe the problem and then explain which possible solution they feel is best and why. After reflections have been written, allow time for each member of the group to read their reflection aloud and answer questions from their group.</p>
<b>Formative Assessment</b>	After individual reflections have been shared, each group should reach a consensus on their problem and best solution. They should write this in a two sentence format for submission to teacher. "The problem with communication today is _____. We will try to solve this problem by creating a _____."

<b>Day 4-6: Students will analyze primary sources by Alexander Graham Bell to understand his motivations in his invention of the telephone before they begin their own creations.</b>	
<b>Step 1:</b>	Primary Source Analysis of <a href="#">Harmonic Telegraph Image</a> (Bell's first sketch of his idea for the telephone). Students should use the Primary Source Analysis tool that they used on day 1.

<b>Step 2:</b>	<p>Reading of <a href="#">Letter written by Alexander Graham Bell</a> with text-dependent questions:</p> <ol style="list-style-type: none"> <li>1) What scientific discovery does Bell cite as being most important in paragraph 1?</li> <li>2) Near the end of page 1, how does Bell explain this discovery's connection the invention of the telephone?</li> <li>3) What Bell's main purpose in writing this letter to Hubbard?</li> </ol> <p>Students should read and answer each question individually, highlighting their evidence for each answer in the actual letter.</p> <p>Teacher led discussion on the letter and student responses to questions after the answers have been collected from individuals.</p>
<b>Step 3:</b>	<p>Individually students will set a goal for themselves during this upcoming creative process: I will _____ in order to help my group complete our communication model.</p>
<b>Step 4:</b>	<p>Teacher will provide all sorts of materials for model creation: play dough, pipe cleaners, toilet paper rolls, paper clips, construction paper, boxes, empty milk cartons, etc. (These are materials that you can have parents donate throughout the year if you set up a list for your welcome letter at beginning of class.) And students will build! Teacher can provide as much or as little time as they deem necessary, although 3-4 hours of building time is recommended.</p>
<b>Formative Assessment</b>	<p>At the end of each building time, have students individually return to their self-written goals and self-assess. How well did I do? What should I do differently or the same tomorrow?</p> <p>Teacher observations of communication and creativity during building time is also important to help guide students to completion while still allowing them freedom with their creations.</p>

<b>Day 7: Share and critique</b>	
<b>Step 1:</b>	<p>Teacher will review the feedback questions with whole class:</p> <ol style="list-style-type: none"> <li>1) Is problem clearly stated?</li> <li>2) Is solution clearly stated?</li> <li>3) Does the solution adequately address the problem?</li> <li>4) What questions about the model do you have?</li> </ol>
<b>Step 2:</b>	<p>Each group will present their communication model, and each audience member will complete a feedback form during presentation. At the end of each presentation, three questions can be asked by the audience.</p>
<b>Step 3:</b>	<p>Once all groups have demonstrated their new model, provide some time for written self-reflection. Students should review their groups' feedback forms taking note of what they find important individually, and then each student should write a one page reflection evaluating their own model through the critiques provided by classmates and their own thoughts for making this model even better.</p>
<b>Summative Assessment</b>	<p>The final assessment grade should be calculated based on the individual student reflection and the final group communication product.</p>

### **Extension Activities**

- 1) Students can revise their communication models based on class feedback and video a presentation of the new model to share through Flipgrid or a private class Youtube Channel.

