



Smithsonian Institution Archives

Productions, *circa* 1985-1995

Finding aid prepared by Smithsonian Institution Archives

Smithsonian Institution Archives  
Washington, D.C.  
Contact us at [osiaref@si.edu](mailto:osiaref@si.edu)

# Table of Contents

Collection Overview .....	1
Administrative Information .....	1
Descriptive Entry.....	1
Names and Subjects .....	2
Container Listing .....	3

---

## Collection Overview

<b>Repository:</b>	Smithsonian Institution Archives, Washington, D.C., <a href="mailto:osiaref@si.edu">osiaref@si.edu</a>
<b>Title:</b>	Productions
<b>Identifier:</b>	Accession 16-120
<b>Date:</b>	<i>circa</i> 1985-1995
<b>Extent:</b>	22 cu. ft. (22 record storage boxes)
<b>Creator::</b>	Smithsonian Astrophysical Observatory. Science Media Group
<b>Language:</b>	Language of Materials: English

---

## Administrative Information

### Preferred Citation

Smithsonian Institution Archives, Accession 16-120, Smithsonian Astrophysical Observatory.  
Science Media Group, Productions

### Access Restriction

Restrictions pertaining to the use of these materials may apply (based on contracts/copyright).  
Access restrictions may also apply if viewing/listening copies are not currently available.  
Viewing/listening copies can be made for a fee. Contact reference staff for details.

---

## Descriptive Entry

The Science Media Group (SMG) was founded by Dr. Matthew H. Schneps and Dr. Philip Michael Sadler as an experimental project to explore novel applications of video in the service of science education. In operation at the Smithsonian Astrophysical Observatory and the Harvard College Observatory from 1989 to 2013, this accession consists of videotapes and motion picture film of edited programs, camera masters, and supporting materials. The programs focus on classroom teaching and reflect the best practices drawn from research in science teaching and learning. Programs include interviews and on-camera presentations by leaders in the science education reform movement; extensive interviews with students, science and mathematics content experts, and K-12 and information science educators.

Productions document Albert Einstein, bubbles, congresses and conventions, science education, the moon, and the universe.

Some materials date from before the SMG was formed. Materials include videotapes, audiotapes, motion picture film, sound recordings, notes, shot logs, images, and cue sheets.

## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

### Subjects:

- Bubbles
- Congresses and conventions
- Documentary films
- Documentary videos
- Motion pictures -- Production and direction
- Science -- Study and teaching
- Video recordings -- Production and direction

### Types of Materials:

- Audiotapes
- Black-and-white photographs
- Manuscripts
- Motion pictures (visual works)
- Videotapes

### Names:

- Einstein, Albert, 1879-1955
- Harvard College Observatory
- Sadler, Philip Michael
- Schneps, Matthew H.
- Smithsonian Astrophysical Observatory

### Geographic Names:

- Moon
- Universe

## Container Listing

### Box 1

Box 1 of 22 Einstein USA

Box 1 of 22 Burt Cardon, SR 4, 16mm film and mag track

Box 1 of 22 Relativity loop from SR7, 16mm film and mag track

Box 1 of 22 Seagle's 2nd newspaper, 16mm film

Box 1 of 22 Newspaper, 16mm film

Box 1 of 22 Stamp, camera roll 20, 16mm film

Box 1 of 22 Big Al, 16mm film and mag track

Box 1 of 22 God, 16mm film

Box 1 of 22 "Joint's closing - Beer", 16mm film

Box 1 of 22 Rodney Hudson, 16mm film

Box 1 of 22 Ben Halley, 16mm mag track

Box 1 of 22 Galaxy, 16mm film

Box 1 of 22 Cartoon - Rebecca's shoot, 16mm film

Box 1 of 22 Tongue and titles, acceptable, 16mm film

Box 1 of 22 Old tongue test, 16mm film

Box 1 of 22 Syntone II, 16mm mag track

Box 1 of 22 Compilation, 16mm mag track

Box 1 of 22 Optical color negative, 16mm film

Box 1 of 22 Miscellaneous, 16mm film (2 rolls)

### Box 2

Box 2 of 22 Mix cue sheets

Box 2 of 22 Images (2 folders)

Box 2 of 22 Final mix, 35mm mag track

Box 2 of 22 "The Black Hole" - Sound effects and music with slates, 1/4" audiotape

Box 2 of 22 Music, 1/4" audiotape

Box 2 of 22 Gravity's warpings, roll 1, 1/4" audiotape

Box 2 of 22 Gravity's warpings, roll 2, 1/4" audiotape

Box 2 of 22 Recording 1 - Bart Cardon, May 4, 1986, 1/4" audiotape

Box 2 of 22 Recording 2 - Bart Cardon, May 4, 1986, 1/4" audiotape

Box 2 of 22 Recording 3 - Rodney Hudson, May 5, 1986, 1/4" audiotape

Box 2 of 22 Recording 4 - Bart Cardon, second session, May 13, 1986, 1/4" audiotape

Box 2 of 22 Recording 5 - Bart Cardon, second session, May 13, 1986, 1/4" audiotape

Box 2 of 22 Recording 6 - Ben Halley and Bart Cardon, American National Theatre, May 14, 1986, 1/4" audiotape

Box 2 of 22 Production Records, 1985-1986 (4 folders)

Box 3

Box 3 of 22 Burt Cardon, SR1, 16mm mag track

Box 3 of 22 Burt Cardon, SR2, 16mm mag track

Box 3 of 22 Burt Cardon, SR5, 16mm mag track

Box 3 of 22 Cardon/Halley, 16mm mag track

Box 3 of 22 EP, 16mm mag track

Box 3 of 22 Track 1, 16mm film

Box 3 of 22 Track 2, 16mm film

Box 3 of 22 Track 3, 16mm film

Box 3 of 22 Track 4, 16mm mag track

Box 3 of 22 Dinks, 16mm film

Box 3 of 22 Twinkles, 16mm film

Box 3 of 22 Picture, 16mm film

Box 3 of 22 Mix, 16 mm mag track

Box 3 of 22 Black hole, 16mm mag track

Box 3 of 22                    Miscellaneous, 16mm film  
Box 3 of 22                    Camera roll 3, 16mm negative  
Box 3 of 22                    Camera roll 30, 16mm negative

Box 4

Box 4 of 22                    Color corrected print, 16mm color positive  
Box 4 of 22                    15 cents, 16mm color positive  
Box 4 of 22                    Bubbles Festival  
Box 4 of 22                    Reel 1, Pix code HSHA, CR1, 16mm film  
Box 4 of 22                    Reel 2, Pix code HSHB, CR 2-3, 16mm film  
Box 4 of 22                    Reel 3, Pix code HSHC, CR 4-6, 16mm film  
Box 4 of 22                    Reel 4, Pix code HSHD, CR 7-9, 16mm film  
Box 4 of 22                    Reel 5, Pix code HSHH, CR 9-11, 16mm film  
Box 4 of 22                    Reel 6, Pix code HSHH, CR 12-14, 16mm film

Box 5

Box 5 of 22                    Reel 7, Pix code HSHG, CR 15-17, 16mm film  
Box 5 of 22                    Reel 8, Pix code HSHH, CR 15, 18-20, 16mm film  
Box 5 of 22                    Reel 9, Pix code HSHJ, 16mm film  
Box 5 of 22                    Reel 11, Pix code HSHB, 16mm film  
Box 5 of 22                    Reel 1, Track code HSHA, CR 1, 16mm mag track  
Box 5 of 22                    Reel 2, Track code HSHB, CR 2-3, 16mm mag track  
Box 5 of 22                    Reel 3, Track code HSHC, CR 4-6, 16mm mag track  
Box 5 of 22                    Reel 4, Track code HSHC, CR 7-9, 16mm mag track  
Box 5 of 22                    Reel 5, Track code HSHH, CR 9-11, 16mm mag track

Box 6

Box 6 of 22                    Reel 6, Track code HSHF, CR 12-14, 16mm mag track  
Box 6 of 22                    Reel 7, Track code HSHG, CR 15-17, 16mm mag track

Box 6 of 22                    Reel 8, Track code HHHH, CR 15, 18-20, 16mm mag track

Box 6 of 22                    Reel 9, Track code HHHJ, 16mm mag track

Box 6 of 22                    Reel 11, Track code HHBB, 16mm mag track

Box 6 of 22                    Camera rolls 1-3, 16mm negative

Box 6 of 22                    Camera rolls 4-6, 16mm negative

Box 6 of 22                    Camera rolls 7-9, 16mm negative

Box 6 of 22                    Camera rolls 10-12, 16mm negative

Box 7

Box 7 of 22                    Camera rolls 13, 15, 16, 16mm negative

Box 7 of 22                    Camera rolls 17-19, 16mm negative

Box 7 of 22                    Camera rolls 20-22, 16mm negative

Box 7 of 22                    Camera rolls 23-25, 16mm negative (2 cans)

Box 7 of 22                    Camera rolls 26-28, 16mm negative

Box 7 of 22                    Camera roll 32, 16mm negative

Box 7 of 22                    Camera rolls 31, 33, 16mm negative

Box 7 of 22                    Camera rolls 34, 35, 36, 16mm negative

Box 7 of 22                    Congress 88

Box 7 of 22                    Taut Strings - Reels 1-9, 16mm negative

Box 8

Box 8 of 22                    Congress 90

Box 8 of 22                    Camera rolls 1-3, 16mm negative

Box 8 of 22                    Camera rolls 4-5, 16mm negative

Box 8 of 22                    Molecules in Space animation, 16mm negative (3 cans)

Box 8 of 22                    Parallax 5

Box 8 of 22                    Audio masters, Reels 1-60, 1/4" audiotape

Box 8 of 22                    Final narration, 1/4 audiotape



Box 8 of 22                      Voice over with Jim, audiocassette

Box 9

Box 9 of 22                      Roll 1, Camera original, 16mm color negative  
Box 9 of 22                      Roll 2, Camera original, 16mm color negative  
Box 9 of 22                      Roll 3, Camera original, 16mm color negative  
Box 9 of 22                      Roll 9, Camera original, 16mm color negative  
Box 9 of 22                      Roll 10, Camera original, 16mm color negative  
Box 9 of 22                      Roll 11, Camera original, 16mm color negative  
Box 9 of 22                      Roll 12, Camera original, 16mm color negative  
Box 9 of 22                      Roll 13, Camera original, 16mm color negative  
Box 9 of 22                      Roll 14, Camera original, 16mm color negative  
Box 9 of 22                      Roll 15, Camera original, 16mm color negative  
Box 9 of 22                      Roll 16, Camera original, 16mm color negative  
Box 9 of 22                      Roll 16, Camera original, 16mm color negative  
Box 9 of 22                      Roll 17, Camera original, 16mm color negative  
Box 9 of 22                      Roll 18, Camera original, 16mm color negative  
Box 9 of 22                      Roll 19, Camera original, 16mm color negative  
Box 9 of 22                      Roll 20, Camera original, 16mm color negative  
Box 9 of 22                      Roll 21, Camera original, 16mm color negative  
Box 9 of 22                      Roll 24, Camera original, 16mm color negative  
Box 9 of 22                      Roll 25, Camera original, 16mm color negative

Box 10

Box 10 of 22                      Roll 4, Camera original, 16mm color negative  
Box 10 of 22                      Roll 5, Camera original, 16mm color negative  
Box 10 of 22                      Roll 6, Camera original, 16mm color negative  
Box 10 of 22                      Roll 7, Camera original, 16mm color negative

Box 10 of 22                      Roll 8, Camera original, 16mm color negative  
Box 10 of 22                      Roll 22, Camera original, 16mm color negative  
Box 10 of 22                      Roll 23, Camera original, 16mm color negative  
Box 10 of 22                      Roll 28, Camera original, 16mm color negative  
Box 10 of 22                      Roll 29, Camera original, 16mm color negative  
Box 10 of 22                      Roll 30, Camera original, 16mm color negative  
Box 10 of 22                      Roll 38, Camera original, 16mm color negative  
Box 10 of 22                      Roll 39, Camera original, 16mm color negative  
Box 10 of 22                      Roll 42, Camera original, 16mm color negative  
Box 10 of 22                      Roll 43, Camera original, 16mm color negative

Box 11

Box 11 of 22                      Roll 34, Camera original, 16mm color negative  
Box 11 of 22                      Roll 35, Camera original, 16mm color negative  
Box 11 of 22                      Roll 36, Camera original, 16mm color negative  
Box 11 of 22                      Roll 37, Camera original, 16mm color negative  
Box 11 of 22                      Roll 40, Camera original, 16mm color negative  
Box 11 of 22                      Roll 41, Camera original, 16mm color negative  
Box 11 of 22                      Roll 44, Camera original, 16mm color negative  
Box 11 of 22                      Roll 45, Camera original, 16mm color negative  
Box 11 of 22                      Roll 46, Camera original, 16mm color negative  
Box 11 of 22                      Roll 47, Camera original, 16mm color negative  
Box 11 of 22                      Roll 48, Camera original, 16mm color negative  
Box 11 of 22                      Roll 49, Camera original, 16mm color negative  
Box 11 of 22                      Roll 50, Camera original, 16mm color negative

Box 12

Box 12 of 22                      Roll 26, Camera original, 16mm color negative

Box 12 of 22	Roll 27, Camera original, 16mm color negative
Box 12 of 22	Roll 31, Camera original, 16mm color negative
Box 12 of 22	Roll 32, Camera original, 16mm color negative
Box 12 of 22	Roll 33, Camera original, 16mm color negative
Box 12 of 22	Roll 57, Camera original, 16mm color negative
Box 12 of 22	Roll 58, Camera original, 16mm color negative
Box 12 of 22	Roll 59, Camera original, 16mm color negative
Box 12 of 22	Roll 60, Camera original, 16mm color negative
Box 12 of 22	Roll 61, Camera original, 16mm color negative
Box 12 of 22	Roll 62, Camera original, 16mm color negative
Box 12 of 22	Roll 63, Camera original, 16mm color negative
Box 12 of 22	Roll 64, Camera original, 16mm color negative
Box 12 of 22	Roll 65, Camera original, 16mm color negative
Box 12 of 22	Roll 66, Camera original, 16mm color negative
Box 12 of 22	Roll 67, Camera original, 16mm color negative
Box 12 of 22	Roll 72, Camera original, 16mm color negative
Box 12 of 22	Roll 73, Camera original, 16mm color negative

Box 13

Box 13 of 22	Roll 51, Camera original, 16mm color negative
Box 13 of 22	Roll 52, Camera original, 16mm color negative
Box 13 of 22	Roll 53, Camera original, 16mm color negative
Box 13 of 22	Roll 54, Camera original, 16mm color negative
Box 13 of 22	Roll 55, Camera original, 16mm color negative
Box 13 of 22	Roll 56, Camera original, 16mm color negative
Box 13 of 22	Roll 68, Camera original, 16mm color negative
Box 13 of 22	Roll 69, Camera original, 16mm color negative

Box 13 of 22                      Roll 70, Camera original, 16mm color negative  
Box 13 of 22                      Roll 71, Camera original, 16mm color negative  
Box 13 of 22                      Roll 74, Camera original, 16mm color negative  
Box 13 of 22                      Roll 75, Camera original, 16mm color negative  
Box 13 of 22                      Rolls 76-80, Camera originals, 16mm color negative  
Box 13 of 22                      Roll 81, Camera original, 16mm color negative  
Box 13 of 22                      Roll 82, Camera original, 16mm color negative

Box 14

Box 14 of 22                      Rolls 94-97, Camera originals, 16mm color negative  
Box 14 of 22                      Roll 98, Camera original, 16mm color negative  
Box 14 of 22                      Roll 99, Camera original, 16mm color negative  
Box 14 of 22                      Rolls 100-102, Camera originals, 16mm color negative  
Box 14 of 22                      Roll 103, Camera original, 16mm color negative  
Box 14 of 22                      Roll 104, Camera original, 16mm color negative  
Box 14 of 22                      Roll 105, Camera original, 16mm color negative  
Box 14 of 22                      Roll 106, Camera original, 16mm color negative  
Box 14 of 22                      Roll 107, Camera original, 16mm color negative  
Box 14 of 22                      Roll 108, Camera original, 16mm color negative  
Box 14 of 22                      Roll 109, Camera original, 16mm color negative  
Box 14 of 22                      Roll 110, Camera original, 16mm color negative  
Box 14 of 22                      Roll 111, Camera original, 16mm color negative  
Box 14 of 22                      Roll 112, Camera original, 16mm color negative  
Box 14 of 22                      Roll 113, Camera original, 16mm color negative  
Box 14 of 22                      Roll 115, Camera original, 16mm color negative

Box 15

Box 15 of 22                      Roll 83, Camera original, 16mm color negative

Box 15 of 22                      Roll 84, Camera original, 16mm color negative

Box 15 of 22                      Roll 85, Camera original, 16mm color negative

Box 15 of 22                      Rolls 86-89, Camera originals, 16mm color negative

Box 15 of 22                      Rolls 90-92, Camera originals, 16mm color negative

Box 15 of 22                      Roll 93, Camera original, 16mm color negative

Box 15 of 22                      Roll 114, Camera original, 16mm color negative

Box 15 of 22                      Roll 116, Camera original, 16mm color negative

Box 15 of 22                      Roll 117, Camera original, 16mm color negative

Box 15 of 22                      Roll 118, Camera original, 16mm color negative

Box 15 of 22                      Roll 119, Camera original, 16mm color negative

Box 15 of 22                      Roll 120, Camera original, 16mm color negative

Box 15 of 22                      Roll 121, Camera original, 16mm color negative

Box 16

Box 16 of 22                      Sound reel 1, dub, 16mm mag track

Box 16 of 22                      Sound reel 2, dub, 16mm mag track

Box 16 of 22                      Sound reel 3, dub, 16mm mag track

Box 16 of 22                      Mix, reel 1, 1989, 1/4" audiotape

Box 16 of 22                      Mix, reel 2, 1989, 1/4" audiotape

Box 16 of 22                      Mix, reel 3, 1989, 1/4" audiotape

Box 16 of 22                      Final narration, reel 1, 1989, 1/4" audiotape

Box 16 of 22                      Narrative pick-ups, 1989, 1/4" audiotape

Box 16 of 22                      Folder - Shot list

Box 17

Box 17 of 22                      Music bridge - Composer, Javier Pico, September 11, 1989, 1/4" audiotape

Box 17 of 22                      Reel 3 - Music, A and B roll master, 16mm film

Box 17 of 22                      Reel 3 - Ambience A, A and B roll master, 16m film

Box 17 of 22 Reel 3 - Ambience B, A and B roll master, 16m film

Box 17 of 22 "Opening" (M1) and "Tango" (M5), Jim Latham, 1/4" audiotape

Box 17 of 22 Folder - Music and sound notes

Box 17 of 22 Folder - Rerecording cue sheets

Box 17 of 22 Formation of the Moon

Box 17 of 22 Rolls 1-3, Camera originals, 16mm color positive

Box 17 of 22 Rolls 4-7, Camera originals, 16mm color positive

Box 17 of 22 Rolls 8-11, Camera originals, 16mm color positive

Box 17 of 22 Rolls 12-15, Camera originals, 16mm color positive

Box 17 of 22 Print from A and B rolls, 1990

Box 17 of 22 Folder - Roll list

Box 18

Box 18 of 22 Rolls, 16mm negative (2 cans)

Box 18 of 22 Project Xerox

Box 18 of 22 Roll 1 - Andrew Ory, May 1, 1987, 1/4" audiotape

Box 18 of 22 A Galaxy is Born

Box 18 of 22 Reels 1-2, Camera negative, 16mm color negative

Box 18 of 22 Ox Test

Box 18 of 22 Reel 1, Camera negative

Box 18 of 22 Slice of the Universe

Box 18 of 22 Roll 1, camera negative, 16mm color negative

Box 18 of 22 Roll 3, camera negative, 16mm color negative

Box 18 of 22 Ostro

Box 18 of 22 Computer generated images, camera negative

Box 18 of 22 Galaxy Genesis

Box 18 of 22 Reel 1, Camera negative

Box 18 of 22                    Smithsonian Maps the Universe

Box 18 of 22                    Roll 1, original camera negative, 16mm color negative

Box 18 of 22                    Cameron animation titles and models, 16mm color negative

Box 18 of 22                    Roll, 16mm color positive

Box 18 of 22                    Sound, 16mm mag track

Box 18 of 22                    Geller narration, Roll 4, 16mm mag track

Box 18 of 22                    Geller interview, Roll 1, wild sound, 16mm mag track

Box 19

Box 19 of 22                    Geller interview, Roll 2, wild sound, 16mm mag track

Box 19 of 22                    Geller interview, Roll 3, 16mm mag track

Box 19 of 22                    Geller interview, Roll 5, 16mm mag track

Box 19 of 22                    Geller interview, Roll 6, 16mm mag track

Box 19 of 22                    Geller interview, Roll 7, 16mm mag track

Box 19 of 22                    Geller interview, Roll 8, 16mm mag track

Box 19 of 22                    Geller outs, 16mm mag tack

Box 19 of 22                    Geller narration and wild sound, 16mm mag track

Box 20

Box 20 of 22                    Private Universe Project

Box 20 of 22                    Session 1, Closed captioned master, TRT: 1:00:31, March 29, 1995, 1" videotape

Box 20 of 22                    Session 2, Closed captioned master, TRT: 1:20:56, March 29, 1995, 1" videotape

Box 20 of 22                    Session 3, Closed captioned master, TRT: 1:23:00, March 29, 1995, 1" videotape

Box 20 of 22                    Session 4, Closed captioned master, TRT: 1:22:38, March 29, 1995, 1" videotape

Box 21

- Box 21 of 22            Session 5, Closed captioned master, TRT: 1:19:14, April 3, 1995, 1" videotape
- Box 21 of 22            Session 6, Closed captioned master, TRT: 1:28:29, March 29, 1995, 1" videotape
- Box 21 of 22            Session 7, Closed captioned master, TRT: 1:26:35, March 29, 1995, 1" videotape
- Box 21 of 22            Session 8, Closed captioned master, TRT: 1:24:02, March 29, 1995, 1" videotape
- Box 21 of 22            Session 9, Closed captioned master, TRT: 1:21:52, March 29, 1995, 1" videotape

Box 22

- Box 22 of 22            Miscellaneous
- Box 22 of 22            Inflationary U. - Alan Lightman voiceover track, 16mm mag track (2 cans)
- Box 22 of 22            The Black Hole - Animation, camera original reversal, 16mm film (2 cans)