



Smithsonian Institution Archives

Productions, 2008-2013

Finding aid prepared by Smithsonian Institution Archives

Smithsonian Institution Archives
Washington, D.C.
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Collection Overview

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| Repository: | Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu |
| Title: | Productions |
| Identifier: | Accession 17-205 |
| Date: | 2008-2013 |
| Extent: | |
| Creator:: | Smithsonian Astrophysical Observatory. Science Media Group |
| Language: | Language of Materials: English |

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Accession 17-205, Smithsonian Astrophysical Observatory.
Science Media Group, Productions

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, events, and units documented include: Essential Science for Teachers; Misconceptions-Orientated Standards-Based Assessment Resources for Teachers; the Harvard Museum of Natural History; the Solar Dynamics Observatory; the Smithsonian Science Education Center; the exhibition: *Visions of the Universe: Four Centuries of Discovery*; the South Pole Telescope; Asian/Pacific Islander American Heritage Month; massive star formations; conferences; and professional development videos.

Materials include video and audio recordings, animations, and other related materials. Materials are in electronic format.

Names and Subject Terms

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

Subjects:

Asian/Pacific Islander American Heritage Month
Career development
Congresses and conventions
Science -- Study and teaching
Stars

Types of Materials:

Electronic records

Names:

Harvard College Observatory
Harvard Museum of Natural History
Sadler, Philip Michael
Schneps, Matthew H.
Smithsonian Astrophysical Observatory
Smithsonian Science Education Center
Solar Dynamics Observatory (Spacecraft)
South Pole Telescope
Visions of the Universe: Four Centuries of Discovery (Traveling exhibition) (2009-2012)

Preferred Titles:

Essential Science for Teachers (Video recording)

Container Listing

Electronic Records

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electronic Records | Atomic and Molecular Physics (AMP) conference videos, 2008 (SMG hard drive: SMG-002) |
| Electronic Records | Professional Development Videos (Annenberg 2012 repurposing of edited videos from earlier projects), 2012 (SMG hard drive: SMG-007) |
| Electronic Records | Smithsonian Heritage Months - Asian Pacific American Day, SAAM public event (APA). Camera masters and video edit project files, 2009 (SMG hard drive: SMG-039) |
| Electronic Records | "Learner Express" (ESM-for "Essential Science Modules"). Redigitized camera masters, source footage, and project files for repurposing of short clips from Essential Science for Teachers to illustrate specific topics in Annenberg website, 2012 (SMG hard drive: SMG-063) |
| Electronic Records | Clips from miscellaneous SMG productions used to create teacher education for USAID project in Pakistan (PAK), 2012 (SMG hard drive: SMG-073) |
| Electronic Records | Misconceptions-Oriented Standards-Based Assessment Resources for Teachers - Source files for training website (MOSART), 2011 (SMG hard drive: SMG-074) |
| Electronic Records | Institute for Theoretical Atomic, Molecular, and Optical Physics conference, 2008 (ITA). Harvard Museum of Natural History interview with Alex Ziegler. Matthew H. Schneps experiment ("Mind, Brain, Education" (MBE)/(DYS - "Dyslexia") YAG IncTech. Middle school scenes, interviews with students talking about reading. 2008-2013 (SMG hard drive: SMG-077) |
| Electronic Records | Solar Dynamics Observatory (SDO) - Demo files for Cooper Hewitt video wall exhibit, 2011 (SMG hard drive: SMG-079) |
| Electronic Records | Smithsonian Science Education Center (SEC) Project Archive. Collection of several dozen clips used in the STC-Kindergarten curriculum package, 2013 (SMG hard drive: SMG-089) |
| Electronic Records | Final edited clips - Smithsonian Science Education Center (SEC) Project Archive. Collection of several dozen clips used in the STC-Kindergarten curriculum package, 2013 (SMG hard drive: SMG-090) |
| Electronic Records | Visions of the Universe (LIB) - Interviews with astronomers Dana Backman, Natalie Batalha, Frank Summers, David Spergel. For American Library Association, 2009 (SMG hard drive: SMG-110) |
| Electronic Records | South Pole Telescope (SOU) footage. Anthony Stark, radio astronomer, took this footage when he overwintered at South Pole station. Used in WGBH Nova program, 2008 (SMG hard drive: SMG-118) |

Electronic Records

Massive Star Formation (MSF) Animation project for Lincoln Greenhill - KALYPSO project regarding Star Formation. 3-D Maya scene files and textures. Animation modelled hydrogen maser doppler measurements to show inflows and outflows. Animation was never completed due to excessive demand on computing resources and animator's time. However, interim results here show possibility of the project, 2010 (SMG hard drive: SMG-126)