**Language of Material:** English

**Contributing Institution:** Department of Special Collections and University Archives

**Title:** Stanford University, Department of Computer Science, films

**creator:** Stanford University. Computer Science Department

**Identifier/Call Number:** F0110

**Physical Description:** 22 film reel(s) (16mm)

**Date (inclusive):** 1968-1977

**Information about Access**
Open for research. Audio-visual materials are not available in original format, and must be reformatted to a digital use copy.

**Ownership & Copyright**
All requests to reproduce, publish, quote from, or otherwise use collection materials must be submitted in writing to the University Archivist, Stanford University Libraries, Stanford, California 94304-6064. Consent is given on behalf of University Archives as the owner of the physical items and is not intended to include or imply permission from the copyright owner. Such permission must be obtained from the copyright owner, heir(s) or assigns. See: http://library.stanford.edu/depts/spc/pubserv/permissions.html.
Restrictions also apply to digital representations of the original materials. Use of digital files is restricted to research and educational purposes.

**Cite As**
[identification of item], Stanford University, Department of Computer Science Films (F0110). Dept. of Special Collections and University Archives, Stanford University Libraries, Stanford, Calif.

**Biographical/Historical note**
The Department of Computer Science was established in 1965.

**Subjects and Indexing Terms**
Stanford University. Computer Science Department

### Films

<table>
<thead>
<tr>
<th>Box</th>
<th>Title</th>
<th>Physical Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>box 1</td>
<td><strong>G. Podnar, “Don’t Blame the Computer”</strong></td>
<td>1 film reel(s) (16mm)</td>
<td>1977</td>
</tr>
<tr>
<td></td>
<td><strong>Subjects and Indexing Terms</strong></td>
<td>Podnar, G.</td>
<td></td>
</tr>
<tr>
<td>box 1</td>
<td><strong>D. I. Okhotsimsky and A. K. Platonov, “A Soviet Ant Takes a Walk”</strong></td>
<td>1 film reel(s) (16mm)</td>
<td>1972</td>
</tr>
<tr>
<td></td>
<td><strong>Physical Characteristics and Technical Requirements</strong></td>
<td>B/W, silent, 10 minutes</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Subjects and Indexing Terms</strong></td>
<td>Okhotsimsky, D. I.</td>
<td></td>
</tr>
<tr>
<td>box 1</td>
<td><strong>Copy</strong></td>
<td>1 film reel(s) (16mm)</td>
<td>1972</td>
</tr>
<tr>
<td></td>
<td><strong>Subjects and Indexing Terms</strong></td>
<td>Okhotsimsky, D. I.</td>
<td></td>
</tr>
</tbody>
</table>
"Automated Pump Assembly" 110.3 1973

Physical Description: 1 film reel(s) (16mm)
Physical Description: color, silent, 7 minutes
Scope and Contents note
Shows the hand-eye system assembling an automobile water pump, using vision to locate the pump body and to check for errors. The parts are assembled and screws inserted, using some special tools designed for the arm. Some titles are included to help explain the film.

Subjects and Indexing Terms
Scheinman, Victor.
Pingle, Karl.
Paul, Richard.
Earnest, Les
Bolles, Robert.
McCarthy, John, 1927-2011

Automated Pump Assembly (outtakes) 110.22A 1973

Physical Description: 2 film reel(s) (16mm)

Automated Pump Assembly 110.228 1973

Physical Description: 1 film reel(s) (16mm)

Automated Pump Assembly 110.22D 1973

Physical Description: 1 film reel(s) (16mm)

Dialog with a robot 110.4 1971

Physical Description: 1 film reel(s) (16mm)
Scope and Contents
Presents a natural language dialog with a simulated robot block-manipulation system. The dialog is substantially the same as that in Understanding Natural Language.
Subjects and Indexing Terms
Winograd, Terry.

Ray Reddy, D. Espar, and A. Eisenson, "Hear, Here" 110.6 1969

Physical Description: 1 film reel(s) (16mm)
Physical Description: color with sound, 15 minutes
Scope and Contents note
This film describes the state of the speech recognition project as of Spring, 1969. A discussion of the problems of speech recognition is followed by two real time demonstrations of the system. The first shows the computer learning to recognize phrases and the second shows how the hand-eye system may be controlled by voice commands. Commands as complicated as "pick up the small block in the lower lefthand corner", are recognized and the tasks are carried out by the computer controlled arm.
Scope and Contents note
Describes the state of the speech recognition project as of Spring 1969. A discussion of the problems of speech recognition is followed by two real time demonstrations of the current system. The first shows the computer learning to recognize phrases and second shows how the hand-eye system may be controlled by voice commands. Commands as complicated as "pick up the small block in the lower lefthand corner" are recognized and the tasks are carried out by the computer controlled arm.
box 1  "Programmable Assembly, Three Short Examples" 110.10 1974
Physical Description: color, sound, 8 minutes
Physical Description: 3 sound tracks
Scope and Contents note
The first segment demonstrates the arm's ability to dynamically adjust for position and orientation changes. The task is to mount a bearing and seal on a crankshaft. Next, the arm is shown changing tools and recovering from a run-time error. Finally, a cinematic first: two robot arms cooperating to assemble a hinge.
Subjects and Indexing Terms
Scheinman, Victor.
Bolles, Robert.
Pingle, Karl.
Paul, Richard.

box 1  Duplicate copy 110.5 1974
Physical Description: 1 film reel(s) (16mm)

box 1  Duplicate copy 110.11 1974
Physical Description: 1 film reel(s) (16mm)

box 1  Duplicate copy 110.12 1974
Physical Description: 1 film reel(s) (16mm)

box 1  Copy no. 5 110.9 1974
Physical Description: 1 film reel(s) (16mm)

box 1  Soundtrack 1 110.10A
Physical Description: 1 film reel(s) (16mm)

box 1  Soundtrack 2 110.10B
Physical Description: 1 film reel(s) (16mm)

box 1  Soundtrack 3 110.10C
Physical Description: 1 film reel(s) (16mm)

box 1  Unidentified 110.13
Physical Description: 1 film reel(s) (16mm)

box 1  Orbital skyhooks: The Elegant Route to Space 110.14 1977
Physical Description: 1 film reel(s) (16mm)
Scope and Contents
Two parts of computer simulation depicting a dynamic orbital skyhook, a cable in a sub synchronous orbit that rotates to touch the planet surface. The first part shows a touch down and take off of an end of the cable at a hypothetical space port in Africa. The second segment shows an animated diagram of the cable skyhook as it rotates and orbits to "walk" the planet surface. Shot directly off a video monitor - low image quality.
**Films Guide to the Stanford University, Department of Computer Science, Films F0110**

**box 2**

**Brian Harvey, "Display Terminals at Stanford" 110.15 1975**

Physical Description: 1 film reel(s) (16mm)
Physical Description: B/W, sound, 13 minutes

Scope and Contents note
Although there are many effective programs to use display terminals for special graphics applications, very few general purpose timesharing systems provide good support for using display terminals in normal text display applications. This film shows a session using the display system at the Stanford AI Lab, explaining how the display support features in the Stanford monitor enhance the user's control over his job and facilitate the writing of display-effective user programs.

**box 1**

**A. Eisenson and G. Feldman, "Butterfinger" 110.16 1968 Mar**

Physical Description: 1 film reel(s) (16mm)
Physical Description: color, sound, 8 minutes

Scope and Contents note
Describes the state of the hand-eye system at the Artificial Intelligence Project in the fall of 1967. The PDP-6 computer getting visual information from a television camera and controlling an electrical-mechanical arm solves simple tasks involving stacking blocks. The techniques of recognizing the blocks and their positions as well as controlling the arm are briefly presented. [2 copies]

**box 110.16U2**

**Use copy**

Physical Description: 1 optical disc(s) (dvd)
Physical Description: 1 optical disc(s) (DVD)

**Butterfinger--Outtakes 110.16**

Physical Description: 1 film reel(s) (16mm)

**box 110.16U1**

**Use copy**

Physical Description: 1 optical disc(s) (dvd)
Physical Description: 1 optical disc(s) (DVD)

**box 2**

**Unidentified 110.17**

Physical Description: 1 film reel(s) (16mm)

**"Motion and Vision" 110.18 1972**

Physical Description: 1 film reel(s) (16mm)
Physical Description: color, sound, 26 minutes

Scope and Contents note
A technical presentation of three research projects completed in 1972: advanced arm control by Richard P. Paul [AIM-177], visual feedback control by A. Gill [AIM-178], and representation and description of curved objects by G. Agin [AIM-173].

Subjects and Indexing Terms
Kandra, Suzanne.

**box 110.19U**

**Use copy**

Physical Description: 1 optical disc(s) (dvd)
Physical Description: 1 optical disc(s) (DVD)

**box 2**

**Duplicate copy 110.19**

Physical Description: narrative track only

Subjects and Indexing Terms
Kandra, Suzanne.
box 2  "Hands" 110.20 1972
   Physical Description: 1 film reel(s) (16mm)
   Scope and Contents note
   Stanford gold arm, (SAIL Vic Scheinman) stacks four small colored cubes at three sites on
   a black table cloth.
   Subjects and Indexing Terms
   Bolles, Robert.

box 2  Stanford Cart 110.22C
   Physical Description: 1 film reel(s) (16mm)

box 1  Lunar Vehicle Remote Control: A Study by Stanford University Mechanical
   Engineering Design Division (3:54) 110.21 1966
   Physical Description: 1 film reel(s) (16mm)

box 1  Outtakes (35:24) 110.8
   Physical Description: 1 film reel(s) (16mm)

box 110.8U  Use copy
   Physical Description: 1 optical disc(s) (dvd)
   Physical Description: 1 optical disc(s) (DVD)