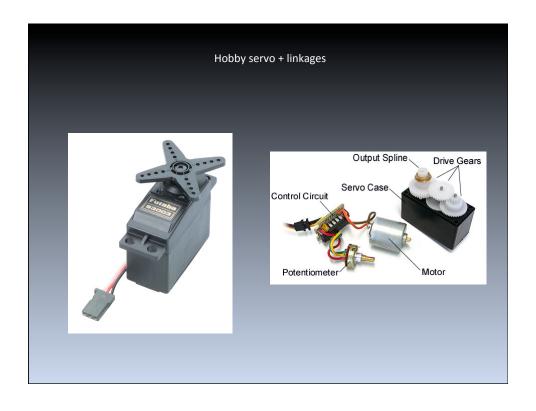
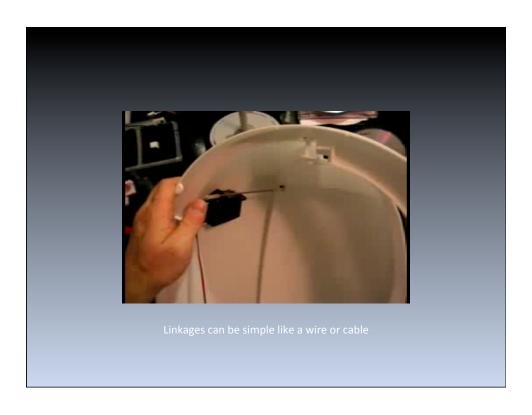
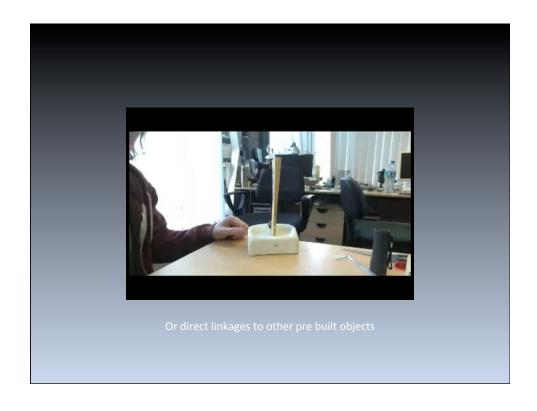
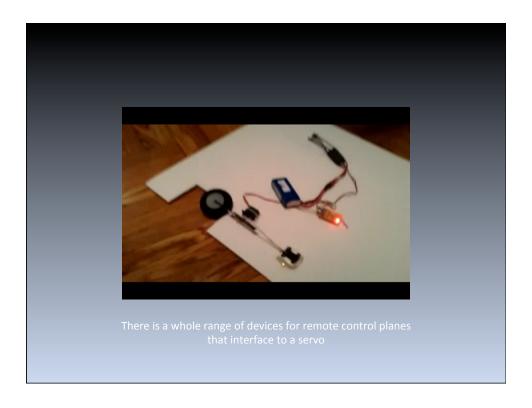
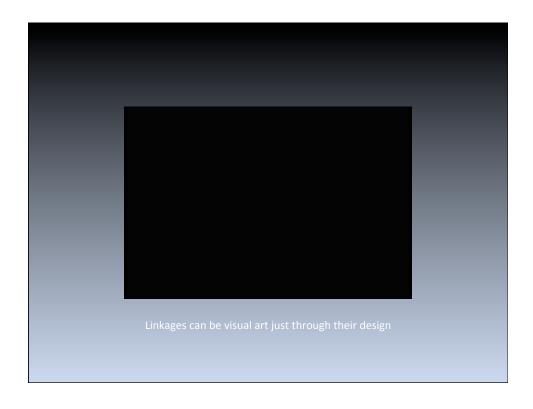
# Introduction to Mechanisms and Machines for the Kinetic Art Tinkerer



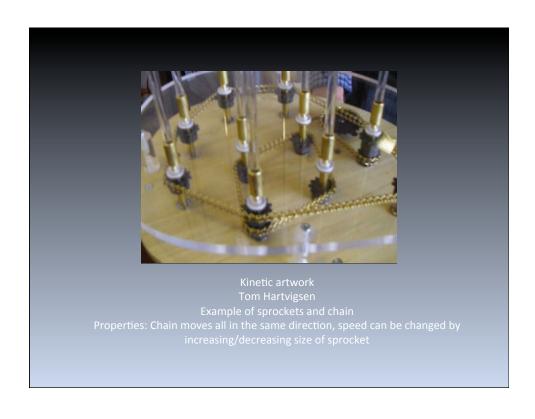




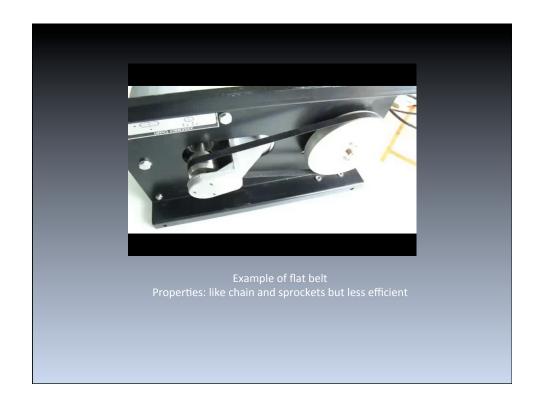


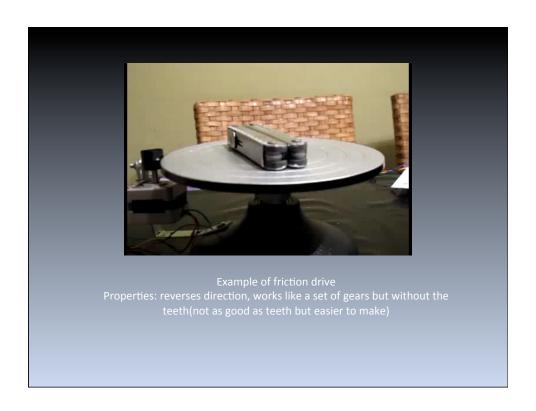


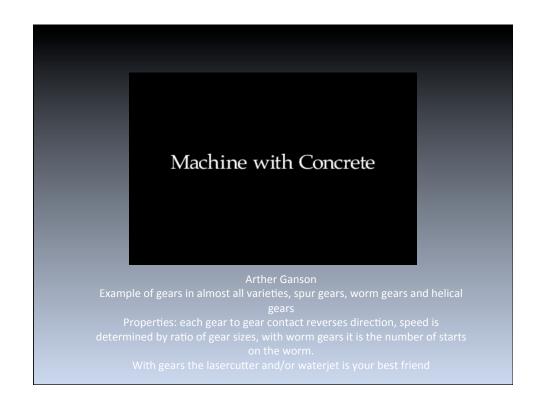






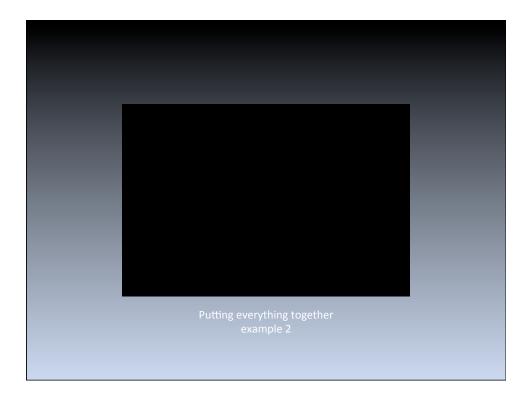












# Sources

## **American Science and Surplus**

3605 Howard Street, Skokie, IL 60076 (847) 982-0870 / FAX (800) 934-0722

#### <u> http://www.sciplus.com</u>

Description: Mostly toys, the catalog is entertaining for the first year, then they quickly fill your recycling bin. Occasionally they have mechanical or electronic components, but the prices are often too high.

## **Surplus Center**

1015 West "O" Street, PO Box 82209, Lincoln, NE 68501-2209

(402) 474-4055 / FAX (402) 474-5167

http://www.surpluscenter.com/

Description: BIG items, If you are interested in hydraulics, this catalog has excellent findings; there are also usually some good motor deals, and assorted mechanical components.

# Herbach and Rademan (H & R) Co.

16 Roland AVE. Mt. Laurel, NJ 08054-1012

(800) 848-8001

(609) 802-0465 / FAX (609) 802-0422

# http://www.herbach.com

Description: excellent source for motors, pneumatics, and electromechanical components. Be wary of "new" items mixed in with the surplus, however.

## Marlin P. Jones & Assoc. inc.

PO Box 12685 Lake Park, Florida 33403-0685

(800) 652-6733 / FAX (800) 432-9937

(561) 848-8236 / FAX (561) 844-8764

#### http://www.mpia.com

Description: primarily an electronics surplus dealer, but you can find some good deals on small motors.

#### **Alltronics**

2300 Zanker Road, San Jose; CA 95131

(408) 943-9773 / fax (408) 943-9776

http://www.alltronics.com

Description: mostly electronics, but some motors and mechanical parts.

#### **Allelectronics**

http://www.allelectronics.com/

Description: mostly electronics, but some motors and mechanical parts.

#### MEC

## http://www.meci.com/

Description: mostly electronics, but some motors and mechanical parts

## B.G. Micro

#### http://www.bgmicro.com/

Description: mostly electronics, but some motors and mechanical parts.

## **The Electronic Goldmine**

http://www.goldmine-elec.com/default.htm

Description: mostly electronics, but some motors and mechanical parts.

# Images SI Inc

#### http://www.imagesco.com/

Mostly new items related to robot building.

## Acroname

# http://www.acroname.com/index.html

Mostly new items for robot building, good source for sensors.

## **Radio Shack**

Chances are there is on near where you live.

(800) the-shack

Description: If you are going to make mechanical/electronic sculpture you will find Radio Shack essential, they do not have the most extensive product line but the essential items you will need are here.

## Jameco

1355 Shoreway Road, Belmont, CA 94002-4100 (650) 592-8079/ FAX (650) 592-2503

http://www.jameco.com

Description: good Bay Area source of electronic components. Be warned, they do not do walk in sales, you must mail order or call/fax in pick up orders.

### Digi-key

701 Brooks Ave., South Thief River Falls: MN 56701-0677 (800) 344-4539/ FAX (218) 681-3380 www.digikey.com

Description: good source of electronic components, easy on-line ordering.

#### Newark

(800) 463-9275 <a href="http://www.newark.com">http://www.newark.com</a>

Description: giant catalog

#### Sparkfun

https://www.sparkfun.com/

Description: great source, will answer technical questions

#### ∆dafruit

http://www.adafruit.com/

Description: great source, will answer technical questions

# **Mechanical Suppliers**

# **Stock Drive**

2101 Jericho Turnpike, Box 5416, New Hyde Park, NY 11042-5416 (516) 328-3300/ FAX (516) 326-8827 http://www.sdp-si.com/

Description: If you need just one gear or sprocket, etc. to complete a project this is a great source, but it will cost you plenty.

## Grainger

350 stores nationwide www.grainger.com

Description: sells just about everything for industrial maintenance, including motors, drive components and belts. There are two problems, first Grainger does not sell to individuals, only organizations with business licenses. Usually what I will do is go in, get a catalog, find what I need and order item(s) by say that I am with SFSU and that wish to make a cash purchase. The other problem with Grainger is that it is quite expensive.

## MSC

(800)645-7270/FAX (800) 255-5067 http://www.mscdirect.com/

Description: Another industrial supply company, mail order only; 3500 page catalog high

#### McMaster-Carr

http://www.mcmaster.com

Description: Another industrial supply company, somewhat high prices