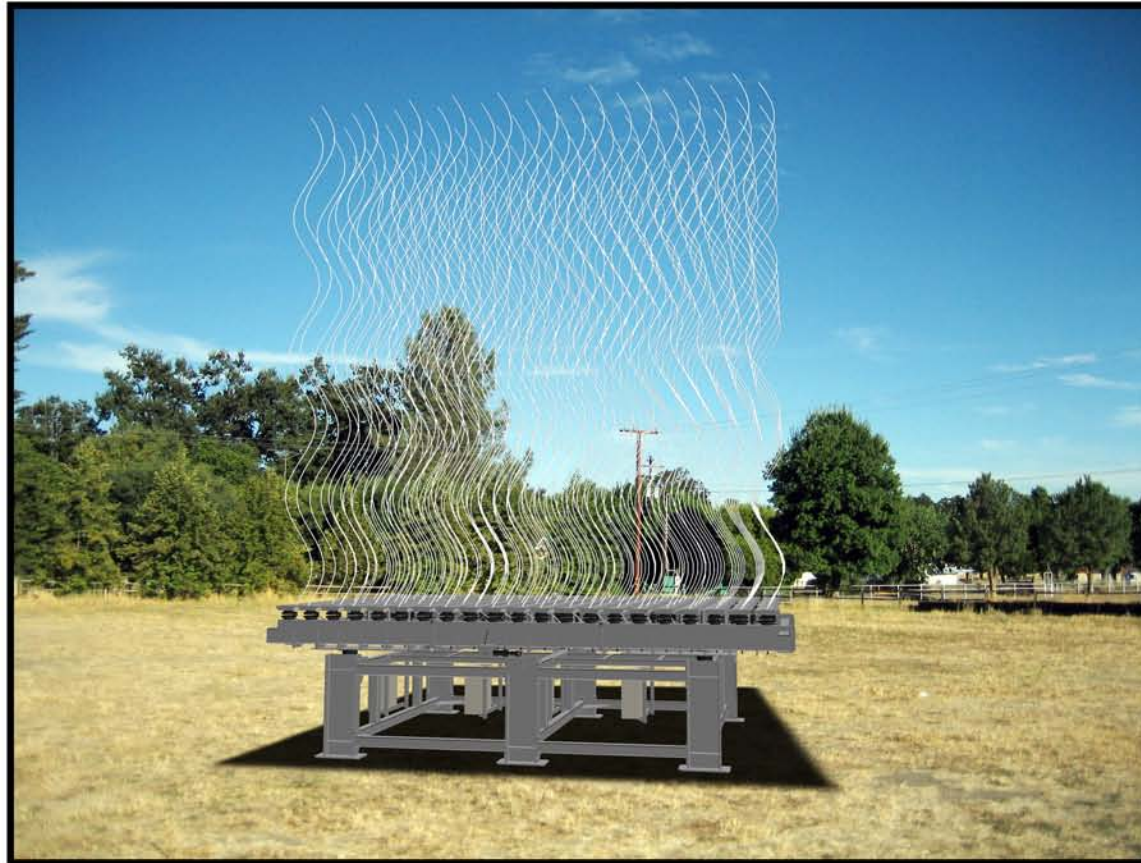


PARKFIELD INTERVENTIONAL EQ FIELDWORK



*AN EARTHQUAKE TRIGGERED, MACHINE DRIVEN ARTWORK FOR THE TOWNSHIP
OF PARKFIELD, CENTRAL CALIFORNIA, USA, 2008*

<http://allshookup.org/parkfield>

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2007

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INTRODUCTION

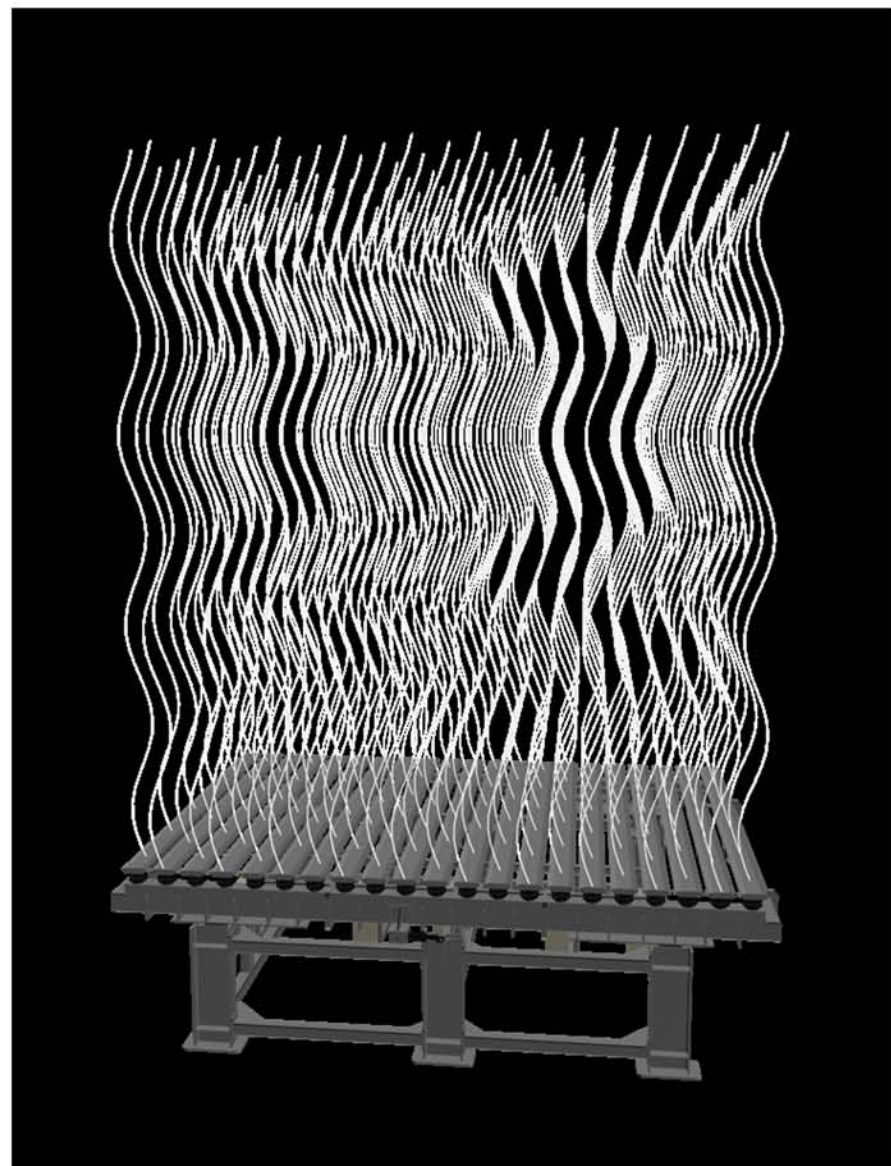
The Parkfield Interventional EQ Fieldwork is a site-specific machine installation for the township of Parkfield, Central California. Located approximately 190 miles from San Francisco and 210 miles from Los Angeles, this field example of earthquake art converges a USGS reported Californian earthquake list with the near real time control of an earthquake simulator placed on site in Parkfield.

Artistically this machine controlled earthwork is a feedback loop between the seismicity of California and the conceptual interpretation of these reported Californian seismic events by means of the earthquake simulator and a formation of high tensile steel rods. 110 lengths of 1/2 inch tensile steel bar at up to 12.0m in length will be fixed to the earthquake simulator. These steel rods will oscillate in synchronous motion and chaotic grandeur each time a Californian earthquake is reported.



Parkfield Bridge, the San Andreas Fault runs directly underneath.

Photo D.V.Rogers



3D Visualisation Of Earthquake Simulator and Tensile Steel Rods.

3D Model Mr Snow

PARKFIELD

Surrounded by rolling hills covered with oaks and prominent mountains, Parkfield is also the home of the USGS. The town is supporting these activities as a major geology industry in the town based on the prospect of earthquakes. The Parkfield motto is,

"Eat Here When It Happens, Sleep Here When It Happens"



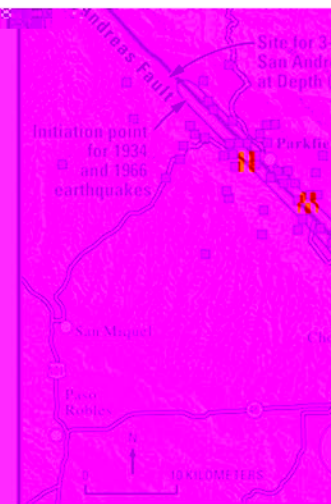
Parkfield area map showing some of the geophysical instrument networks (colored symbols). Town of Parkfield is located near the center of the instrument cluster. Image Courtesy of the USGS

the USGS with collaborating universities and resulted in the implementation of a dense array of stations. As a result, the region of Parkfield became the earthquake zone in the world. This array of seismic stations was designed to "capture" the anticipated earthquake of magnitude 7.0 and the earthquake process in unprecedented detail.

traditionally had moderate size earthquakes
regular intervals - 1857, 1881, 1901, 1922, 1934, 1966
on September 28, 2004 the Parkfield Earthquake
a M6.0 earthquake.



Photo D.V.Rogers



The coordinated efforts of federal and state government laboratories responsible for the maintenance of seismic recording instruments and the operation of the most closely observed earthquake stations. The most monitoring devices was set up after the 1906 earthquake of magnitude 6.0 and above to reveal the

The region of Parkfield has experienced numerous earthquakes (M6.0 or above) at fairly regular intervals, the last being in 1968 and most recently 2004. Our new experiment finally 'trapped' the

PARKFIELD PHOTOGRAPHS - © D.V.Rogers 2006



Parkfield - Cholame Road Sign



Parkfield Cafe



Vacant Land Next to Parkfield Cafe



Parkfield Fountain



Google Earth Parkfield Image



Abandoned Building



USGS Site Shed



Parkfield Bridge



San Andreas Fault Sign

PARKFIELD INTERVENTIONAL EQ FIELDWORK

A vacant piece of land between the Parkfield Cafe and the Parkfield Fire Station will be used for the installation. The earthquake simulator will be placed on this site to operate autonomously for a total of 93 days beginning 28th of June 2008 until 28th September 2008. The earthquake simulator will be triggered by a data feed generated from all USGS recorded earthquakes in the California - Nevada region.

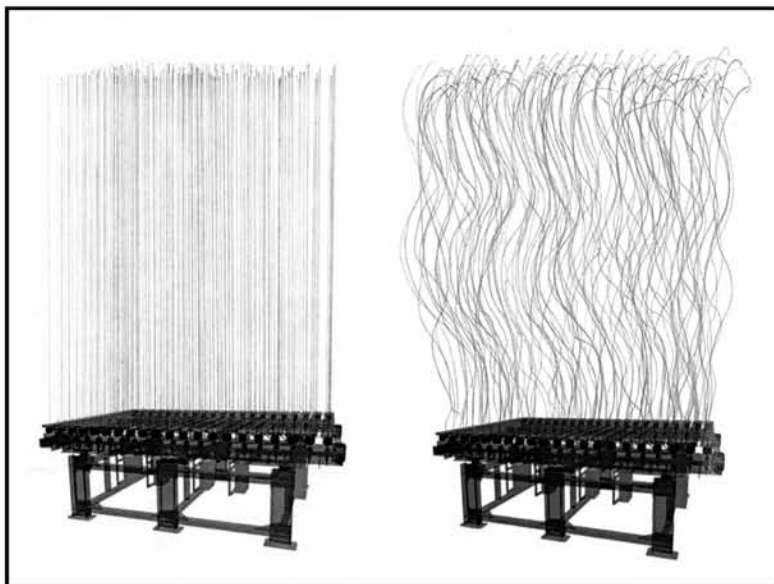
The site selected in Parkfield will be made accessible to the general public and visitation to the site will be encouraged and promoted. Visitors to Parkfield can stay at the Parkfield Inn for a unique earthquake experience away. The internet will play a major role in the presentation of the work utilising realtime audio and video streaming as well as daily earthquake event logs.

It is anticipated that an art gallery in San Francisco and/or Los Angeles will support this proposed Parkfield Interventional EQ Fieldwork, by showing documentation and hosting a live A/V webcast directly from the site of the field installation as a remote and realtime visual presentation within an art gallery context.



1:25 Scale Model

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Concept Illustrations

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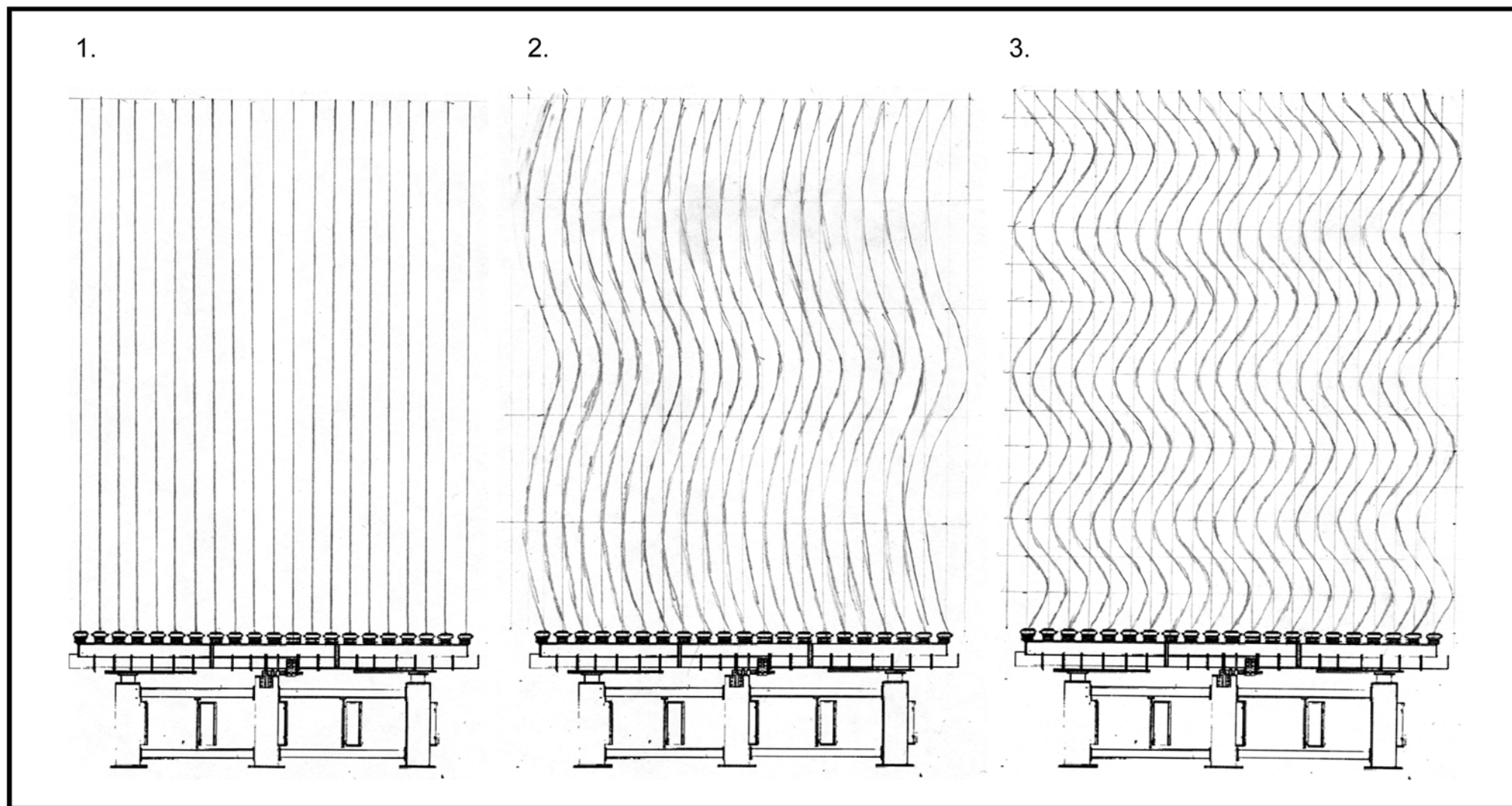
1:25 Scale Excavation Model

© D.V.Rogers 2007

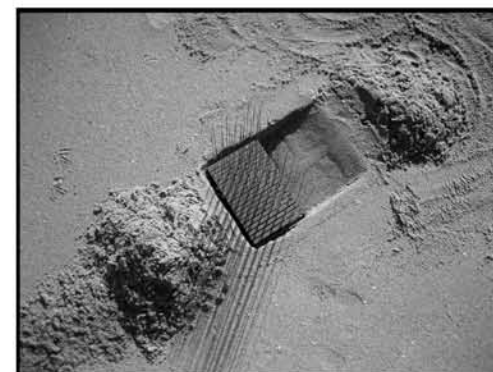
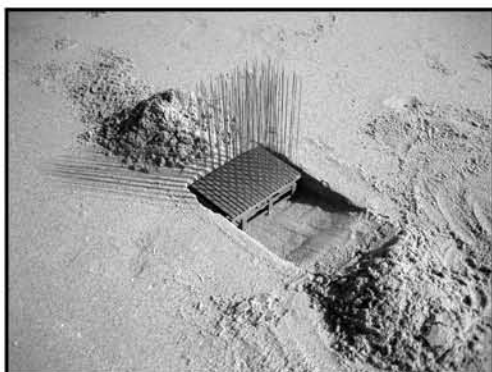
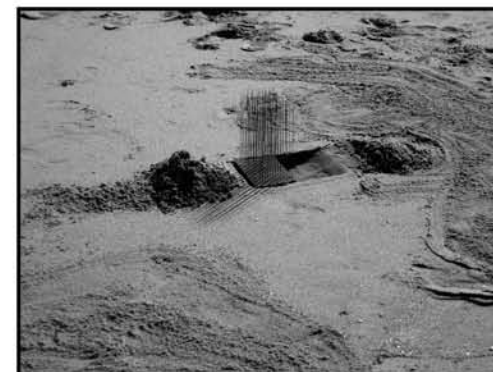
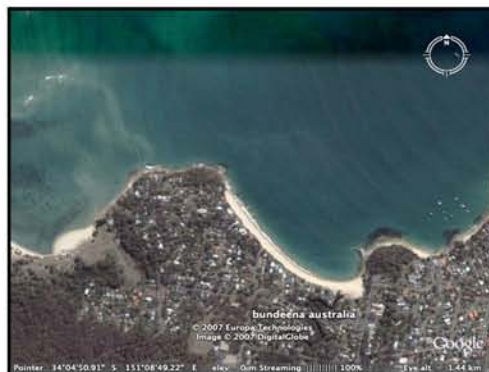
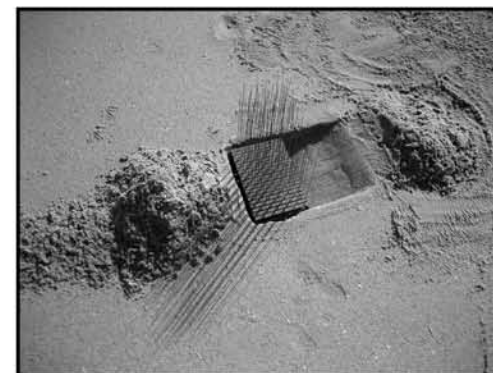
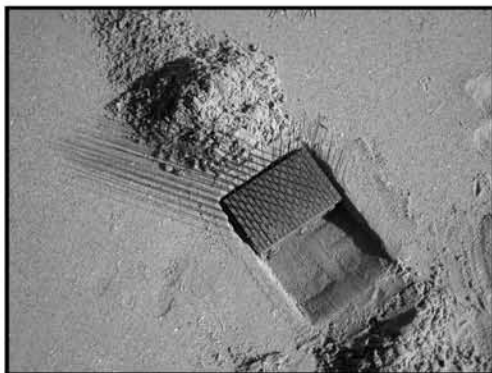
SITE PHOTOGRAPHS



KINETIC WAVEFORM CONCEPT



1:25 EXCAVATION MODEL





Parkfield Hill, California, USA

lat 35.903105 lon -120.429608 elev 1562 ft

© D.V.Rogers 23 08 2006



Wallace Creek, California, USA

lat 35.274412 lon -119.825654 elev 1562 ft

© D.V.Rogers 11 08 2006



Seismonitor

Artspace, Woolloomooloo, Sydney, NSW, Australia

© D.V.Rogers 2002 01 10 - 2002 02 02

BIOGRAPHY

D.V.Rogers

Born Lower Hutt, New Zealand 1968

Graduated from College of Fine Arts (UNSW) in 1995 majoring in Photography.

My technical skills span a diverse range from photography, video, mechanical engineering, hydraulic/pneumatic systems, I/O control, steel fabrication, computer programming, web design content and development, and all things seismology.

A founding member of Post Arrivalists performance collective from 1991-1995.

Began collaborating with Triclops International during 1996, a Sydney based machine arts/engineering convergence of which culminated in the performance of Molten Godhead in White Bay and a series of Big Day Out machine performances 1996-2000. Collaborated with Triclops International at the 1998 Ars Electronica, demonstrating "Theory Of Flight" with a customized air cushioned vehicle (ACV) as part of Times Up "Closing The Loop" series of experiments.

A successful recipient of the original ANAT Scientific Serendipity program 1999 and successful recipient of an OZCO Hybrid development grant 1998 and subsequently a New Media, new work grant 2000. This time was spent recommissioning an earthquake simulator and the subsequent development of a near real-time control system under Linux whereby the earthquake simulator was triggered by globally monitored seismic data. This work was demonstrated as "Seismonitor" in January 2002 at Artspace, Woolloomooloo.

www.allshookup.org/artspace

Conceptually my work with seismology explores theories of site and non-site. An investigation of machine control (automaton) arising from live representation (mirror) of a remote physical environment (earth). The Parkfield Interventional EQ Fieldwork is essentially a (telematic) artwork mapping the terrain of spatio temporality of shifting tectonics and digital information networks.

March 2007

www.allshookup.org/dvr



Proposed Post Arrivalist

1992



Certified Post Arrivalist

1994



Urban Post Arrivalist

1995



Triclops International Tomb Of Terror

1997



Triclops International

MG Test

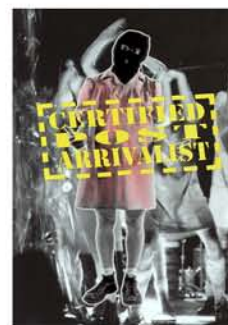
1996



Triclops International

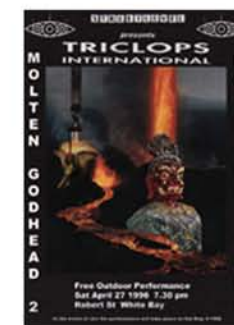
A.C.V.

1998



Post Arrivalists

1991-1995



Molten Godhead

1996



Seismonitor

2002

DOCUMENT CREDITS

D.V.Rogers - Concept / DVD / Layout / Model Making / Photography / Text

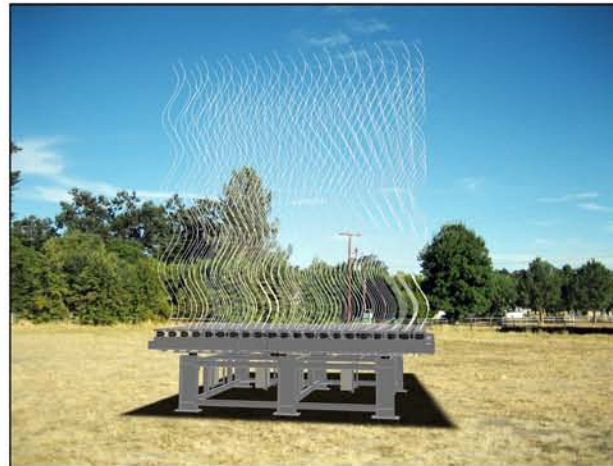
Richard Newton - Simulator 3D Model 2000

Michael Myers - Studio Photography 2006

Mr Snow - 3D Visualisation Model 2006

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Parkfield Interventional EQ Fieldwork

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