The original title of "Theater of Hybrid Automata" relates to the ancient practice of Automata building, a precursor to the modern robotics. Many art projects have been launched by artists/technologists or religious fanatics such as Rabbi Loew of Prague who constructed the Golem or, in the late Renaissance, the work of magician/astrologer/mathematician John Dee (1587-1608).

The installation "Theater of Hybrid Automata" precedes the Brotherhood series by a few years. It was later incorporated into the Brotherhood series as Table 2 which explains the absence of a true table feature. In concept and style, however, he work stands in harmony with the Brotherhood.

In its performance this construction performs a ritual of mechanical deconstruction of cubical space. The computer driven camera-head navigates through space by pointing to the six targets within the construction. The computer generated representation of space, stored on a laserdisk as a sphere, is projected on the screen inside the construction. These two representations of space, one through a camera, the another through a graphic representation are finally united in a centric and synchronously driven environment.

The Table 2 is internally programmed and has no feature for audience participation.

Table 2: Automata
テーブル2: オートマタ

1990
A dictionary definition of "Scribe":

1. to mark or score wood (or the like) with a pointed instrument as a guide to cutting or assembling.
2. a person who serves as a professional copyist, especially one who made copies of manuscripts before the invention of printing.

Reading and Writing is not exclusively a human activity. The ability to recognize and translate alphanumerical set into a code is now readily available through a computer with its software. The ability of machines to write has been celebrated throughout the centuries. It is in the understanding and in the interpretation of the read/write functions that the human mind gives this process its meaning.

This piece draws attention to the notion of literacy and to the open frontier of the machine and human interpretation of the written text. It also addresses the fragility and historical animosity of book environments.

A pneumatically controlled arm turns the pages of a book, revealing pages of the text. A video camera looking at the pages sends the information to the computer where Optical Character Recognition software translates the text into a digital code.

The second table is then set into motion writing the text of the page just read by the camera and a light pen writes the text onto a luminescent surface of the write table.

Intermittent video images show the violent destruction of books.

This piece has no audience participation.
A dictionary definition of "Stealth":

1. Secret, clandestine or surreptitious procedure
2. A furtive departure or entrance
3. A) An act of stealing
   B) A thing stolen
4. A US Airforce project, involving a range of with a purpose of developing an aircraft that is difficult to detect by sight, sound, radar, and infrared energy.

This Table consists of a helicopter gun sighting station, with a laser attached.

The visitor is invited to participate in this installation by sitting on the seat, grasping the sighting station, and aiming the laser at light sensitive targets. The targets control the speed and location of the images. The same targets also control the position and speed of the assembly, which travels along the X and Y axis on rails on the top of the Table. The camera mounted to this assembly looks at the physical environment of the table, its gears, belts and rails. Behind the table, a second camera slowly scans the organic environment embedded in the table. This image appears on a monitor mounted to the sighting station. The brightness of this image is converted to MIDI code and it is used to trigger audio samples which appears as a black and white image on the small screen mounted to the visitor's hands. The large screen depicts projections of the interior environment of the table and the processed images of integrated circuits.

Deep in the "belly of the machine" well hidden from the direct audience view is an embedded construction of the "mini-theatre" by an Santa Fe artist Tom Ashcraft, providing an organic contrapoint to the exhibit: a meta-organic world, seen only by a private eye of the camera, lurking alongside of an ancient prehistoric landscape.

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**Table 4: Stealth**

<table>
<thead>
<tr>
<th>Stealth Technology</th>
<th>1998</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-71</td>
<td></td>
</tr>
</tbody>
</table>

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Table 4: Stealth
テーブル4: ステルス
1998

辞書による「ステルス」の定義

1. 秘密、内密、こっそりとした行動、手段
2. 秘密の消去、もしくは公益
3. a) 購物行為
   b) 盗品
4. 技術的なことも含まれるが、視覚、聴覚、レーダー、赤外線の力によっても見つかりにくい航空機を開発する目的のアメリカ空軍のプロジェクト。

このテーブルは、レーザー・ポインタが付属したヘリコプターの銃撃用照準器からでています。

観客は、席に着き、照準器を握り、レーザー・ポインタをレーザーに対応する様に当てるので、このインスタレーションに参加できます。様子は、映像のスピードと場面をコントロールするものです。また、同じ様子はテーブルの上部にあるレール上のX・Y座標軸を動かし、パーツの位置とスピードもコントロールしています。このパーツに取り付けられたカメラは、テーブルの中の有機的な風景を写し出しています。この風景での光の明暗はMIDI信号に変換され、観客が握る照準器に取り付けられた小さいスクリーン上の白黒の映像として写し出されます。観客の大きなスクリーンにはテーブルの風景の投影や、集積回路の加工された映像を写しています。
A dictionary definition of "Friendly Fire":

*Friendly Fire* is a military combat term for mistakenly attacking one's own troops by force of weapons.

Many incidents of "Friendly Fire" have taken place in the history of warfare, most recently in the Gulf War. A part of the visual material of Table 3 contains a record of such an accident, videotaped by an American helicopter gunship during the assault on an American tank.

This work has a direct interface to the audience through a drum module which permits the visitor to change scenes and control the speed and direction of the video scenes.

Table 3 also has a specific approach in its formal concepts: in projection, where the projection space is divided into an inner and outer space by a collapsible screen mechanism, confining or expanding the projection space of each of the two image sequences, and in the concept of light as a source of images projected from slide and video projectors being optically divided into six directions identifying a cube. The slide sequence is assembled from series of early designs of integrated circuits, found on the surplus dump of Los Alamos National Laboratory, the major weapons laboratory of the USA.

<table>
<thead>
<tr>
<th>Table 3: Friendly Fire</th>
</tr>
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<tbody>
<tr>
<td>1994</td>
</tr>
</tbody>
</table>

*Table 3: Friendly Fire*

<table>
<thead>
<tr>
<th>Year</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994</td>
<td>Friendly Fire</td>
<td>Record of accident, videotaped by American helicopter gunship during the Gulf War.</td>
</tr>
</tbody>
</table>