

HIDE



**HOMELAND SECURITY, BIOMETRIC
IDENTIFICATION &
PERSONAL DETECTION ETHICS**

www.hideproject.eu

1 Feb 2008 - 31 Jan 2011

Mission

Launching a PLATFORM on ethics and governance of personal detection technologies and biometrics

HIDE Consortium

CSSC (Italy) – Coordinator

CESAGEN (UK)

NUS (Singapore)

UNI-LJ (Slovenia)

FRAUNHOFER (Germany)

IBG (USA)

OPTEL (Poland)

SAGEM (France)

THE HASTING CENTER (USA)

ZUYD (The Netherlands)



HIDE Structure



Some figures about the project...

4 Focus groups

- 1) PET
- 2) Technology Convergence
- 3) Interoperability
- 4) Embedded technology

3 Policy Forum

- 1) Outsourcing
- 2) Bodily Issues
- 3) Privacy

67 experts involved in total, from 16 different countries, representing the whole value chain, say, academia, industry, public and regulatory authorities, users, and European Commission

Some figures about the project...

- 4 Ethical Briefs
- 3 Policy Papers
- 1 joint Report with the RISE project (ETHICS OF BODY SCANNER)
- 1 joint paper in reply to the EC consultation on Privacy and DP directive
- 5 papers in academic journals
- 19 presentations in international conference
- 2 tutorials organised in the Biometric Summer School of Alghero
- 10 issues of the Newsletter with 222 subscribers



FROM THE EDITOR

Not the Final Word

IN THIS ISSUE

- 1 *From the Editor*
Not the Final Word
- 2 *Feature Article*
Full-Body Scanners:
Addressing Concerns about
Wider Deployment
- 4 *Feature Article*
Biometrics and Privacy in the
Age of Social Networking
- 6 *News and Notes*

DIALOGUE is published quarterly by The Hastings Centre, a HIDE Partner.

PRINCIPAL INVESTIGATOR
Thomas H. Murray, President and CEO
EDITOR & PROGRAM MANAGER
Karen J. Maschke, Research Scholar
ART DIRECTOR
Nora Pomer

MANAGING EDITOR
Joyce A. Griffin
CONSULTING EDITOR
Gregory E. Kaebitz

This work was supported in part by the European Commission under contract FP7-217742 HIDE, Homeland Security, Biometric Identification & Personal Detection Ethics.

Although this is the final issue of *Dialogue*, the newsletter of the HIDE project, it is not the final word about the ethical and privacy concerns regarding biometric technologies. Through focus groups, policy forums, and problem-solving workshops, HIDE partners have established an ongoing dialogue among international and transnational stakeholders on the implications of biometric and personal detection technologies for liberty, security, and democracy. The meeting reports reveal that these stakeholders are committed to improving understanding about the complex ethical and privacy issues these technologies raise. Moreover, they share the goal of identifying common values to serve as the foundation for the use of these technologies in ways that help, rather than harm, individuals, groups, and communities.

As the HIDE project winds down over the next several months, the Web site will continue to be a resource for information about project activities and other developments regarding the ethical and privacy issues of biometric and personal detection technologies. A focus group meeting on technology convergence was held on September 14 in Paris, France. On

October 8, Zuyd University will hold a focus group meeting on embedded technology in Maastricht, the Netherlands. And a final HIDE conference will be held in late 2010 or early 2011. Information about these and other meetings, as well as final project reports, can be found on the HIDE Web site (<http://www.hideproject.org>).

“The HIDE project has established an ongoing dialogue on the implications of biometric technologies for liberty, security, and democracy.”

Finally, to all of the HIDE partners who helped make *Dialogue* an informative source of information about the project and the important issues that were examined over the past two years: Grazi, Danke, Dziękuję, Merci, Hvala, Bedankt, Thanks!



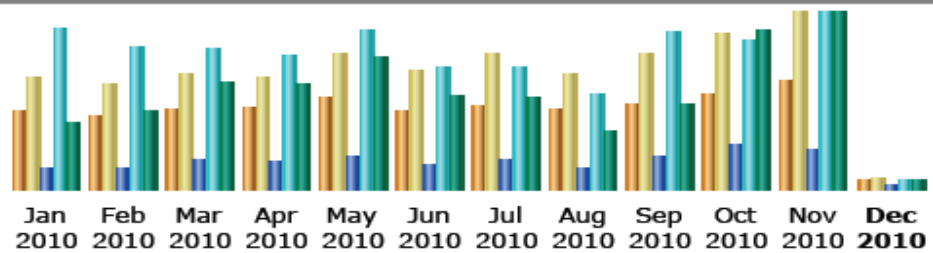
A project supported by the Seventh Framework of the European Commission

Summary

Reported period	Month Nov 2010				
First visit	01 Nov 2010 - 00:34				
Last visit	30 Nov 2010 - 22:35				
	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Viewed traffic *	1422	2324 (1.63 visits/visitor)	5395 (2.32 Pages/Visit)	24570 (10.57 Hits/Visit)	998.72 MB (440.05 KB/Visit)
Not viewed traffic *			12325	14531	1.41 GB

* Not viewed traffic includes traffic generated by robots, worms, or replies with special HTTP status codes.

Monthly history



Month	Unique visitors	Number of visits	Pages	Hits	Bandwidth
Jan 2010	1022	1475	2779	22403	370.89 MB
Feb 2010	972	1388	2875	19925	437.27 MB
Mar 2010	1056	1498	3996	19552	604.80 MB
Apr 2010	1083	1492	3667	18832	593.88 MB
May 2010	1205	1794	4454	22243	749.26 MB
Jun 2010	1021	1568	3349	16970	528.81 MB
Jul 2010	1104	1802	4006	16973	521.00 MB
Aug 2010	1041	1520	2804	13129	322.86 MB
Sep 2010	1117	1782	4465	22085	480.52 MB
Oct 2010	1246	2043	6039	20991	902.91 MB
Nov 2010	1422	2324	5395	24570	998.72 MB
Dec 2010	109	136	286	1277	52.99 MB
Total	12398	18822	44115	218950	6.41 GB

Countries (Top 10) - Full list

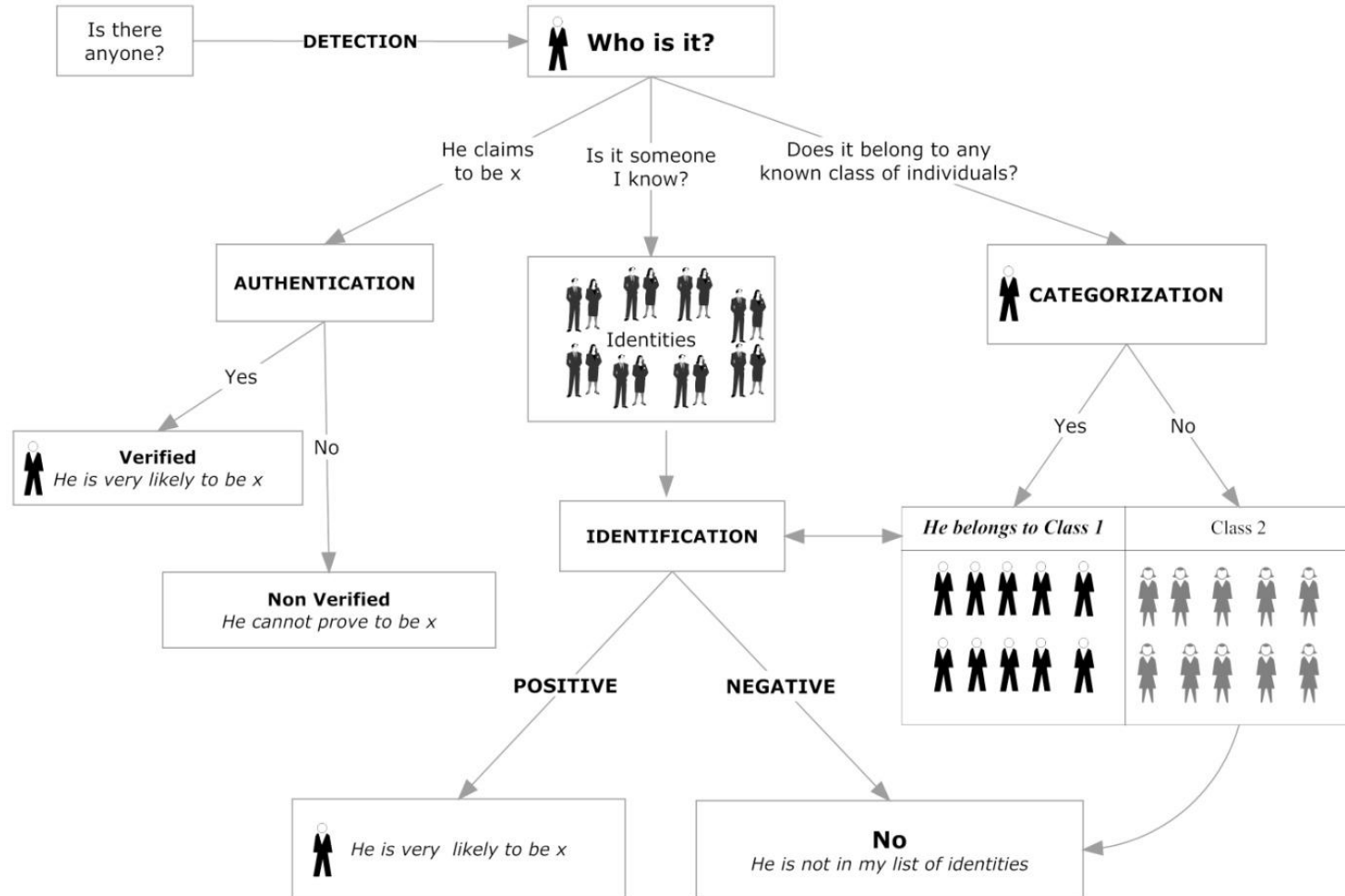
Countries		Pages	Hits	Bandwidth		
?	Unknown	unknown	1394	6036	152.06 MB	
	United States	us	1127	4586	142.86 MB	
	Great Britain	gb	990	2669	291.33 MB	
	Germany	de	986	5652	219.08 MB	
	Australia	au	141	312	9.08 MB	
	Canada	ca	70	325	6.76 MB	
	Poland	pl	69	287	2.61 MB	
	China	cn	57	88	4.33 MB	
	France	fr	54	408	12.40 MB	
	Netherlands	nl	50	492	8.19 MB	
	Others		457	3715	150.02 MB	

Search Keywords (Top 10)

Full list

952 different keywords	Search	Percent
biometrics	116	4.3 %
hide	77	2.8 %
data	69	2.5 %
biometric	67	2.5 %
and	67	2.5 %
of	63	2.3 %
ethical	54	2 %
project	50	1.8 %
fp7	43	1.6 %
protection	43	1.6 %
Other words	2014	75.6 %

Recognition



Detection

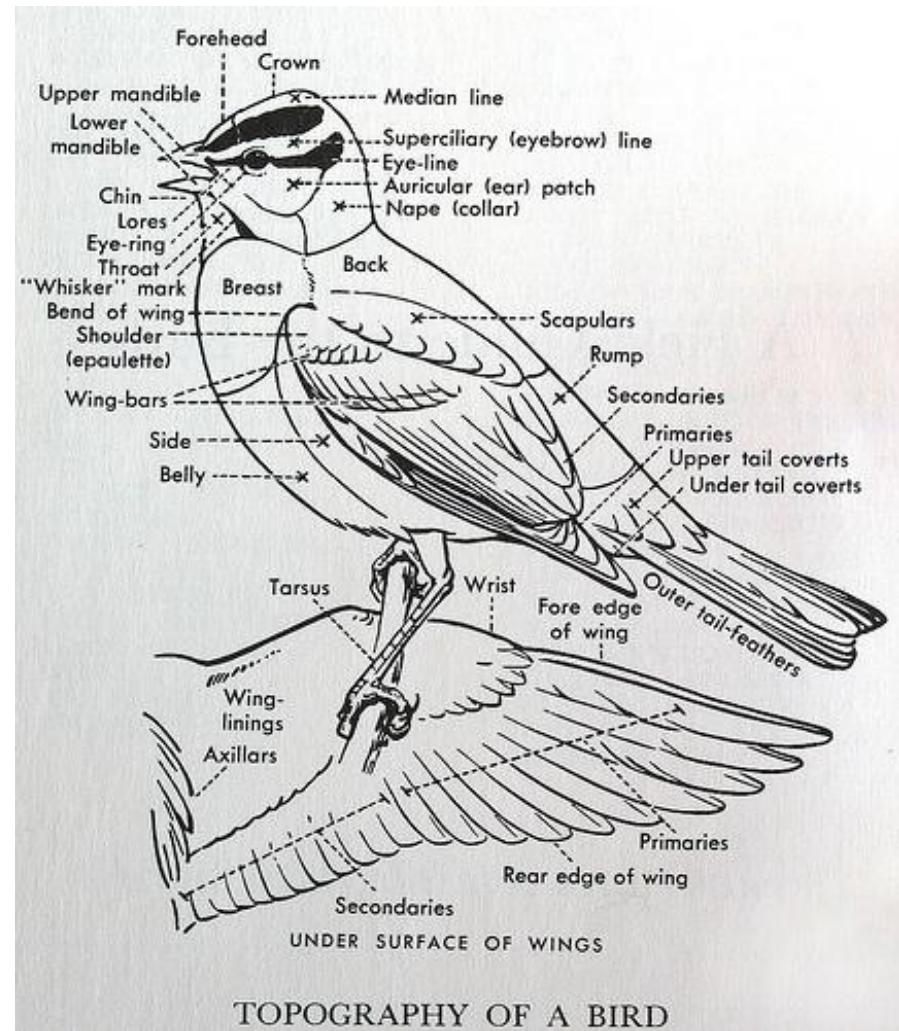
Detection, which answers the question “Is there any human being here?” Actually detection is not a true form of recognition because it does not associate – at least immediately – a person with an identity.

However detection is usually preliminary to recognition (you need first to ascertain someone’s presence before recognizing him), and detection is usually carried out with the same technologies which are used for other forms of recognition.



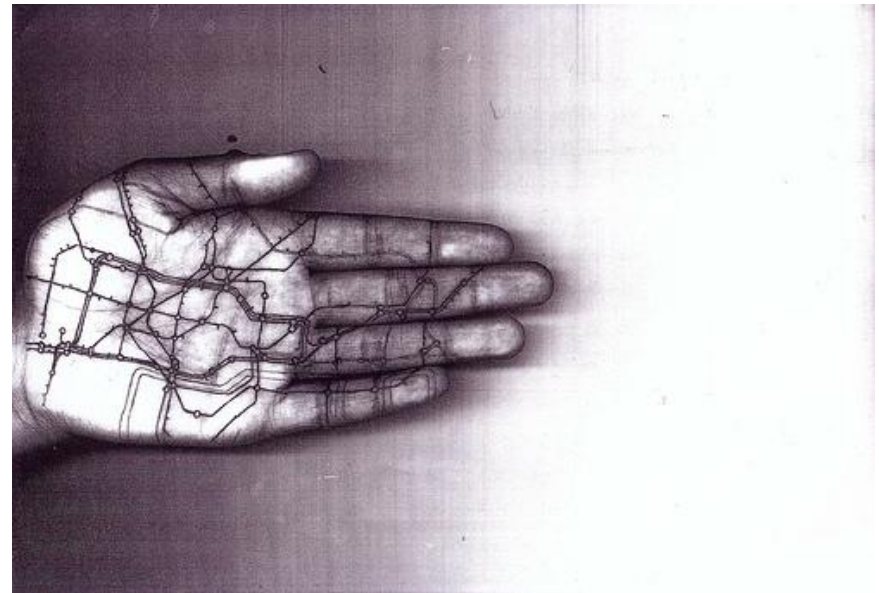
Authentication

Authentication (or **verification**), which answers the question "Are you who you claim to be?" (this question could be also formulated as "have you the right to stay where you actually stay?"). Authentication implies to confront the person with the identity he claims in order to verify this claim.



Identification

Identification (or **positive identification**), which answers the question "who are you?". Identification implies to confront a person with a great number of identities, in order to establish what identity can legitimately be associated to that person.



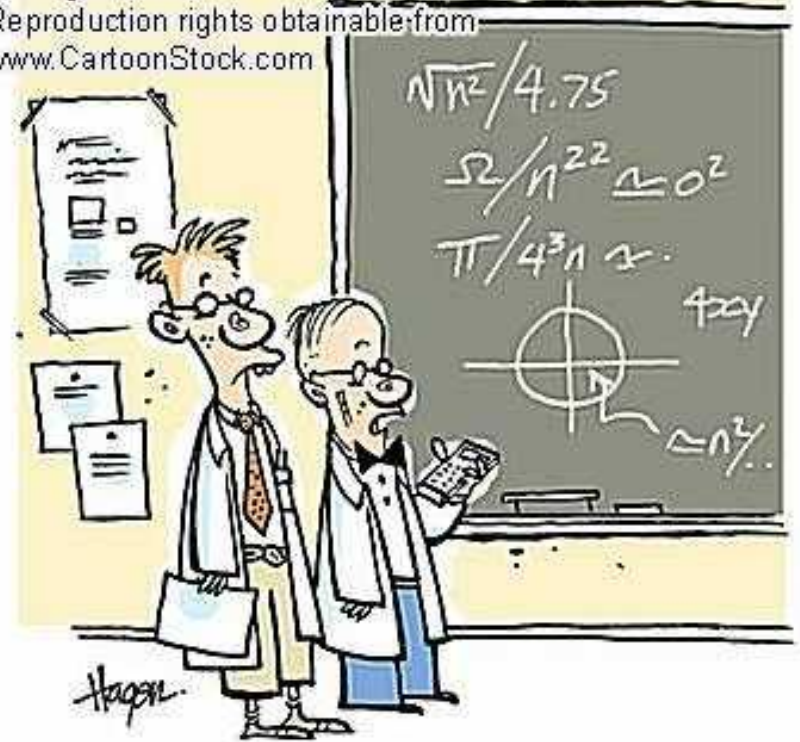
Persons and Identities

All kinds of recognition are based on probabilistic inferences, say, they can be represented by probabilistic relationships between persons and identities.

Given an actual person, a Bayesian network can be used to compute the probabilities of the association of that person with an identity. Efficient algorithms exist that perform these inference in a variety of cases, and according a variety of variables.

© Original Artist

Reproduction rights obtainable from
www.CartoonStock.com



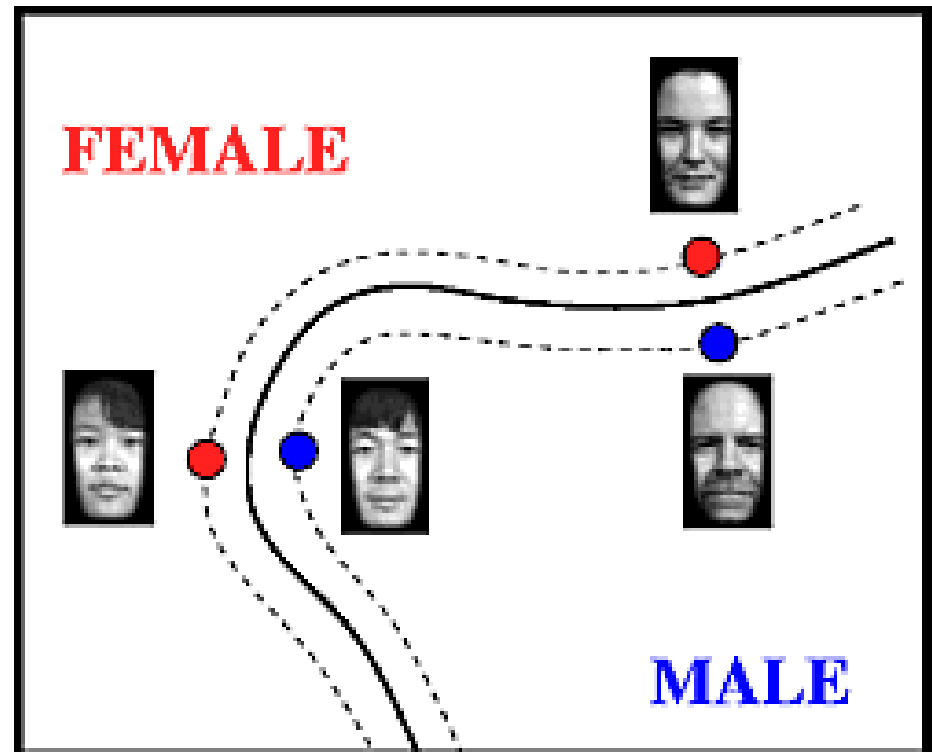
I'M AFRAID THE NUMBERS DON'T LIE NORTON,
WE'RE DEFINITELY NERDS.

Categorisation

Additionally any person can be also ascribed to one or many sets of persons, say, he can be categorized.

Categorization may work in parallel with individual recognition, becoming a tool for refining recognition.

Categorization can be also carried out independently from recognition when one does not need to ascertain identities but only access rights or alike.

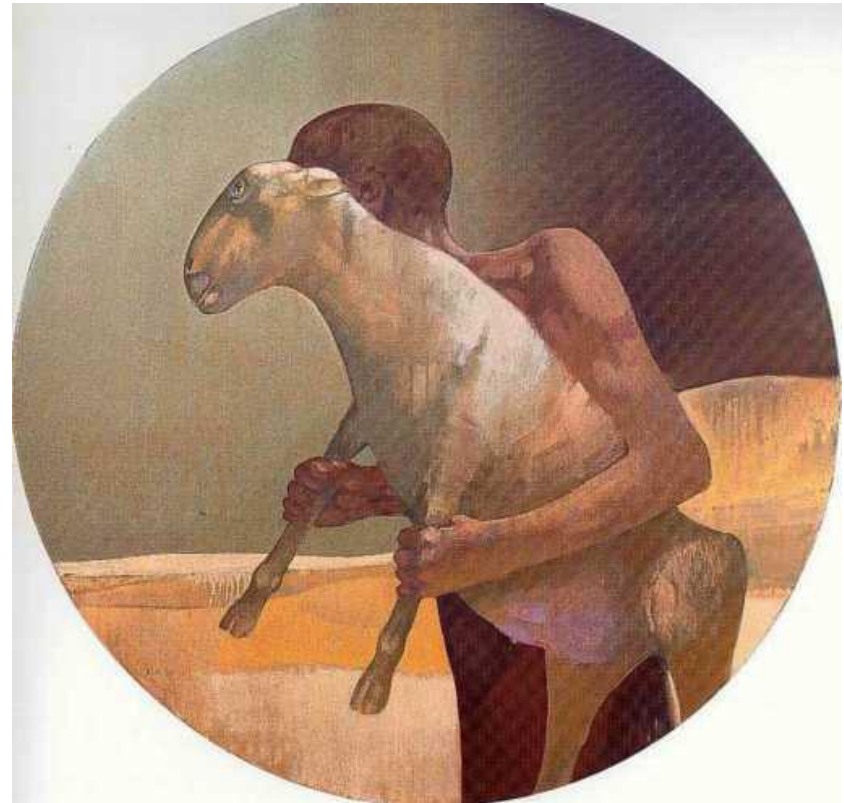


Why communities and organizations need to recognize individuals?

To allocate rights and duties (eg, tax, and vote)



To predict social behaviors (eg contracts)

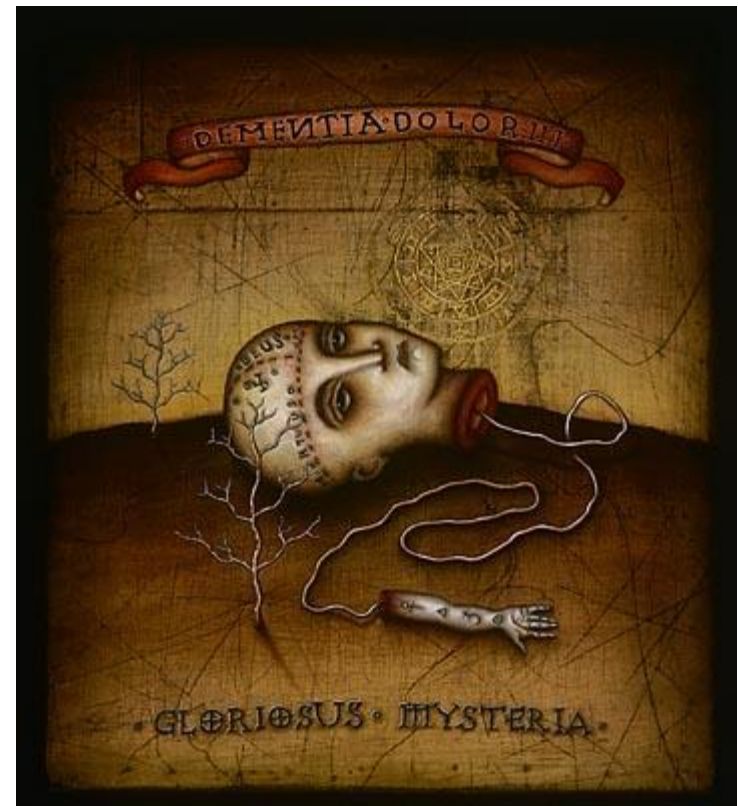


In modern states who needs this?

Bureocracy (all)

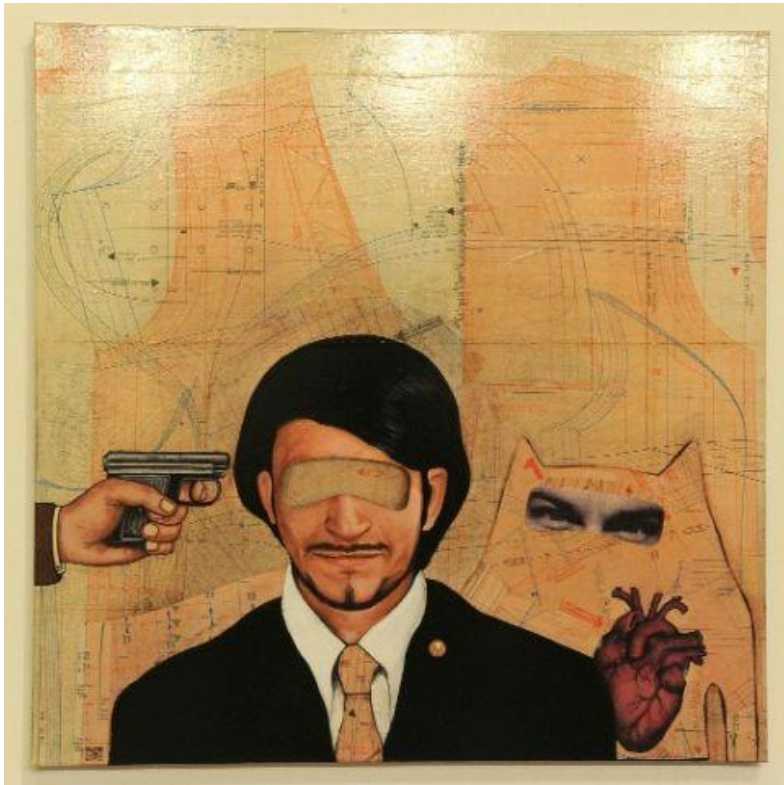


Police and Intelligence



Why do we automatize these activities?

Effectiveness (nr of individuals)



Boring and repetitive



DON'T CONFUSE SURVEILLANCE WITH BUREOCRACY

Use the Automatic
During the Convention



Make the Automatic Telephone Service at the Coliseum your headquarters. A reception room, banks and uniformed pages at your service on the main floor of the Annex.

Let us facilitate your work—and let us demonstrate to you the wonderful efficiency of the Automatic telephone—

The ONE Phone That Gives SECRET SERVICE

Automatic Telephone Service is pulling the biggest popular vote in history! Local Chicago calls has more than doubled, and long distance increases 50% since January 1, 1934.

Because of its very low rate, its instantaneous connections, its accuracy, its freedom of receiving incoming, the Automatic is the only logical telephone. By all means take advantage of this special convenience service.

Local Calls 5c
Long distance calls at remarkably low rates

Illinois Telephone & Telegraph Co.
Member of Chicago Transfer Co.
—Member of International Telephone Association—
162 W. Madison St.
Commercial Dept.
EM-111
International 884
Long Distance Call 120 on the Wheel

