# THE METAMAP surveillance and privacy

### DYMAXION DREAMS

If you are holding this map, you will have seen issue 21 of Mute magazine and know about its theme of 'dataveillance'. You probably won't know that the magazine's contents and 'Total Paranoia' strapline were, like other things cut adrift from their context and floating around the public realm, conceived and completed before the fateful date of 11 September 2001.

The tragedy that occurred on that day has cast bigger things than this magazine in a different light, but we - as so many others - have had to consider the impact of the attacks on our editorial. We, too, have had to consider how 'appropriate' it was to publish our magazine's contents at this time. Many of Mute's pages carried critical analyses of the security regimes we live under in the West: having totally failed to prevent New York's, Washington's and Pittsburgh's disasters, would any attempt to unpick or criticise them seem like one more step in the wrong direction, an insult to lives lost through their failure? The anti-capitalist movement, another recurring subject in Mute, is repeatedly allied to causes it shares nothing with: would it be any different after this 'anticapitalist' event? After the day commentators scrambled to dub the beginning of the 21st century, nothing was certain. The sole exception being the drastic change the security and intelligence services would undergo - in the short term to support a counter-attack, in the long term in a preventative mode. In ways

we had never imagined, 'Total Paranoia' characterised the public mood We decided to publish this issue of Mute unamended: disavowing a thematic we perceived to be relevant to democratic life a week ago seemed misguided, to say the least. Instead, the more days went by, the more clear it became that the self-censorship that will no doubt continue in the wake of the disaster is precisely the opposite of what it demands. The interpretative flatland of most TV, for example, has proved incapable of answering to anything but the most basic responses (a literary editor remarked upon its 'failure of language' - rarely has that phrase rung more true). After the numbness abated, the collective, compulsive rush towards spaces of discourse, disagreement and enquiry demonstrated how much people desire divergent explanations of traumatic events - even ones on this scale. Without elevating them unduly, you could say local radio call ins, comment and letters pages, internet lists and bulletin boards were all testament to this.

this event required on national and international levels would put day to day politics on hold for the foreseeable future... From here on in, security measures would require a balancing act between the protection of civilians and the protection of civil liberties... We needed to learn from history and recognise how deeply interconnected globalisation has made all its subjects... The logic of escalation that hardline responses would trigger should be pictured at an unprecedented scale, involving biological, nuclear and conventional weaponry... And last but not least, if it were to be lawful, information (or 'intelligence' in the military parlance) would be

For better or worse, and beyond the passions of injured hearts, the debates that took place were repeatedly moored to certain cautionary themes. The solidarity

fundamental to military intervention. All of these themes point to continuities that can and should be sought out between the 'first day' of the 21st century and the days that preceded it. There can be little doubt in anyone's mind that 2001 already felt like a time of crisis: global hunger, war, disease, child labour, mass migration, an impending ecological crisis - ignoring them was nearly impossible.

ranging from unaccountability to profit-led principles, unbalanced constitutions and short-termism. At this juncture, the continuity between 'before' and 'after' rests on notions such as governance, democracy, the public, and human rights. The last week has showed the relative value of each of those words, but so did the weeks before them. Many have urged that we use this tragedy as an opportunity to examine our language, our conception of history and of politics. They have also shown how, in attempting this, we seesaw between old, nation state-based reference points and those of a mythical global society. Neither framework holds true at the moment, but if

data, nor was it as comprehensive as maps like to be. As for accuracy, after 11 September, it was transformed into a historical document. In response to the tragic events of that Tuesday and the tragic events that may follow it, we would like to extend an invitation to all our readers to change this compromised picture of the globe into their global society: like the unashamedly utopian Buckminster Fuller – whose designs we were kindly granted permission to use – this Dymaxion holds up hope that information, awareness, knowledge and communication can

'Looking at it as the spaceship that it is, there's just one spaceship here. It's the only one we're going to get. What are the total known resources, and what is the total knowledge, and how do we use those total resources and knowledge for everybody on board this ship? Absolutely give no attention whatsoever to nations ever again. It must be really how to make it work for everybody. That's what I'm talking about. We're now talking about making it work for everybody.' - Buckminster Fuller (1895 - 1983)

# At the same time, while at an institutional level the language of universal human rights enjoyed a higher profile than ever before (at the UNHCR World Conference on Racism for example), the majority of institutions responsible for facilitating global integration only pay lip service to them. Overdetermined by economic principles, these bodies were under attack for 'crimes'

the latter is to be anything like a space of democracy, a radical transformation of notions of equality, mediation and representation will have to occur; online free speech, access, privacy and other information oriented 'rights' will have to measure their relevance against more social and material ones. During this process, the strength and diversity of public discourse in and across nation states And with this rather inflated statement we return to the map you are holding. Instead of contemplating our own failure of language in the face of events, Mute decided to use the one remaining component of its 21st issue differently than originally intended. This global freeze frame of surveillance, privacy, free speech and open infrastructure projects was already deficient in many areas: focusing on the net, having been selected by us and thus being and reflective of the networks Mute is part of, it was dominated by European and American initiatives. It didn't broach the use and abuse of 'biometric'

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'EPIC is a public interest research center established in 1994 to focus public attention on emerging civil liberties issues and to protect privacy, the First Amendment, and constitutional values."

www.fitug.de – Förderverein Informationstechnik und Gesellschaft (FITUG e.V.) FITUG promotes the integration of new media into society, whilst reporting on the technicalities, risks tank and dangers of these media, and working to protect human rights and consumer-protection within Mother of all think tanks. Backbone

### HACKENSACK, NEW JERSEY, USA

'Privacy & American Business is an activity of the non-profit Center for Social & Legal Research, a public policy think tank exploring US and global issues of consumer and employee privacy and data to be called a "think tank." We earned this distinction

4 VIENNA, AUSTRIA world-information.org/wio/infostructure/objective - World-information World

communication technologies (ICT) in a dynamic world of technology and vested interests. It is designed to provide an overview of the status quo, the development and history of the Infosphere as globalisation, consolidation, integration, concentration, commercialisation, participation, cooperation,

Dataveillance is the systematic use of personal data systems in the innovation, emancipation, democratisation, diversification, convergence and empowerment.' world-information.org/wio/infostructure/research — World Infostructure Research — persons. Roger Clarke monitors privacy regulations and breaches on both the

Global Brainware, Global Content Channels, Global Data Bodies, Global Digital Security, Global Info world-information.org/linkbase - World-information Linkbase project "World-Information.Org's Link Base complements World-Infostructure and is a fast tool for locating URLs that are accompanied by short descriptions and categorised by the eight research areas of World-

Infostructure. Search functions include full text search as well as keyword or topic specific search.'

research and development) is the first organization client, the U.S. Air Force (then the Army Air Forces), Son of our early work involved aircraft, rockets, and satellites. In

CHAPMAN, AUSTRALIA

www.anu.edu.au /people/Roger.Clarke/DV - Roger

SAN DIEGO, CALIFORNIA, USA

healthcare, drug prevention, economic and to view this web site.' For its hallmarks of quality, objectivity and

investigation or monitoring of the actions or communications of one or more

www.privacyrights.org - The Privacy Rights Clearing House This nonprofit group is focused on a consumer education, research, and advocacy program enabling members of the public to take control of their personal information by

## www.ncis.co.uk - National Criminal Intelligence Service

Yalima Firing Center

Defence Signals Directorate Government Communications Security Bureau

1 LUXEMBOURG

**ECHELON PARTICIPANTS** 

National Security Agency (NSA)

3 SEALAND, N SEA HavenCo has been providing services since May 2000 and is fully operational, 'offering the world's

www.opaean.net - Opaean research, Myles Stawman, Private Investigator

most secure managed servers in the world's only true free market environment, the Principality 4 SOUTH ENGLAND, UK

"The Bunker" is a real nuclear bunker, designed to withstand a direct strike. Recently decommissioned, it has been purchased from the MOD by A. L. Digital (Telecommunications), and '80s as a physically secure communications centre, The Bunker offers the ultimate in protection from a myriad of attacks, including crackers, terrorist attack, electro-magnetic pulse, electronic eavesdropping, HERF and Solar flares.'

'How you manage the privacy and security of corporate and customer information assets will determine the success or failure of your critical e-business initiatives, Zero-Knowledge Systems

offers the most comprehensive privacy and security products and services to help you achieve

A complete and free replacement for PGP, providing secure encrypted communications. Because it does not use the patented IDEA algorithm, it can be used without any restrictions.

needs to communicate securely. It is completely decentralised and self-optimising.'

'm-o-o-t is an open-design, open-source cryptography project begun to defeat RIPAPart3, the new UK law that gives the Government the right to demand the plaintext and/or keys of "information protected

www.philzimmermann.com - Phil Zimmermann's Home Page Philip R. Zimmermann is the creator of Pretty Good Privacy. For that, he was the target of a three-year software were violated when PGP spread all around the world following its 1991 publication as freeware. Zimmermann currently serves as Chief Cryptographer at Hush Communications (see below), and is

lso consulting with a number of companies and industry organisations on matters cryptographic.

www.hushmail.com - Hushmail

Countries covered: Argentine Republic // Commonwealth of Australia // Republic of Austria // Kingdom of Belgium // Federative Republic of Brazil // Republic of Bulgaria // Canada // Republic of Republic of Estonia // Republic of Finland // French Republic // Federal Republic of Germany // Greece // Republic of Hungary // Republic of Iceland // Republic of India // Ireland // State of Israel // of Luxembourg // Malaysia // Mexico // Kingdom of the Netherlands // New Zealand // Kingdom of Norway // Republic of Peru // Republic of the Philippines // Republic of Poland // Republic of // Republic of Slovenia // Republic of South Africa // Kingdom of Spain // Kingdom of Sweden // Switzerland // Taiwan // Kingdom of Thailand // Republic of Turkey // Republic of Ukraine // United

www.interesting-people.org/199804/0093.html - LA Wiretapping Scandal In 1998, it came to light that the Los Angeles Police Department was extensively using illegal Privacy in Switzerland

**REVERSING THE TRANSFORMATION:** From *Two* to *Three* Dimensions

wiretaps to monitor citizens, collect evidence illegally, and invade the privacy of innocents. www.genevaprivatebankers.com /en/lalettre/actu/lalettre1.html - On Financial In financial matters Switzerland has a strong tradition of protecting the peoples' interest in privacy Banking secrecy is formally defined in Article 47 of the Swiss banking law. This law, which went into

LONDON, UK

'One stop shop for law enforcement international enquiries

and other agencies nationally and internationally. Incorporates the UK Drug

Liaison Officer Network, Interpol UK and Europol UK

national security from threats such as terrorism, espionage and the proliferation of

weapons of mass destruction, to safeguard the economic well-being of the UK against

www.gchq.gov.uk - Government Communications Headquarters

tasks than are available virtually anywhere else

personal Carnivore FAQ

oreign threats, and to support the law enforcement agencies in preventing and detecting

n business, knowledge is power. For GCHQ it's vastly more important. Knowledge ensure

predecessor's code breaking triumphs in World War 2 to providing intelligence in today's

climate of regional instabilities – GCHQ has a history of employing the brightest and best.

can scan Internet traffic at extremely high speed. It attaches to the systems of Internet

www.fipr.org - Foundation for Information Policy Research

service providers (ISPs) and can be used either legitimately, to observe Internet use that is

The Foundation for Information Policy Research is an independent body that studies the

e most analytical, lateral minds, working on more challenging, rewarding – and important

www.mi5.gov.uk - MI5

he Communications Assistance for Law Enforcement Act (CALEA) was passed in 1994. For effect in 1935, codified a strong tradition of confidentialit to facilitate government surveillance. <see Armin Medosch, 'A Very Private Affair', Mute21> attorney-client privilege in the US. The confidentiality of Swiss banking predates both World Wars, but it has been challenged by events money laundering as a crime. Swiss financial privacy has also been challenged by the desire for tax revenue. The Socialist party in Switzerland has attempted to end financial

pecial Award for Service to Journalism for raising awareness of the threats posed to press freedom by the RIP Bill, at the European Online Journalism Awards 2000 6/7/00. On the controversial europa.eu.int/eur-lex/en/lif/dat/1995/en\_395L0046.html – The EU Data Privacy Though it is not law in the United States, the European Union's Data Protection Directive is a directive requires member countries of the EU to adopt laws that implement its terms. The Directive creates rights for persons about whom information is collected, known as 'data subjects.' Entities

> conventions.coe.int/treaty/EN/cadreprojects.htm – the Draft Convention on on Crime in Cyber-Space' represents a serious threat to privacy. Section 2 of the Draft Convention over to government authorities. This is an example of an increasingly common practice by

ultimately have access to it, and why the data is being collected. Data subjects also have the right to

governments: enlisting private-sector businesses as deputies in their investigations. www.privcom.gc.ca/legislation/02\_06\_01\_e.asp - Canada's Personal The Act went into effect in Canada on January 1, 2001. The law is a step in the wrong direction



ART PROJECTS

www.0100101110101101.org - 0100101110101101.org

Italian collective. Creators of 'biennale.py', and - running counter to the fight for privacy - actively in pursuit of total transparency and a collective deluge of personal information.

Art and tech collective resources for tools, ideas, resources <see Rena Tangens interview in Cornelia Sollfrank, 'Share and be Shared', Mute21> 3 TORONTO, CANADA

www.existech.com/tpw - Steve Mann Over a period of twenty years artist, inventor, and engineer Steve Mann has developed a body of work that undermines the efficiency and normalisation of surveillance. Borrowing from the Situationist notion of détournement, Mann has developed a number of strategies - involving wearable devices and performative routines that allow him to frame surveillance as a political problem and interrogate its banal self-justifications.

4 TORONTO, CANADA surveil.sjsu.edu - Telepresent Surveillance, Joel A. Slayton elepresent Surveillance is an evolving artwork/research project incorporating autonomous robot surveillance probes and the internet. The intent of this project is to characterise a form of media experience derived from the activities of intelligent machine agents designed to enable telepresent viewing. 5 NEW YORK, USA AND BRISTOL, UK

bureauit.org - Bureau of Inverse Technology (BIT) HT create feedback loops between information systems and focuses especially on surveillance, social control and the production of data trails. 6 PITTSBURGH, USA www.appliedautonomy.com - Institute for Applied Autonomy (IAA)

rom Sparia to DARPA, the market of tools of repression has remained a reliable outlet for technological development. However, recent history has shown that as the strength of these technologies has grown, the sustainability of this market has dwindled. Indicators show that in the very near future this market will no longer be able to bear the weight of the increasingly costly technologies that it requires. In response to this crisis, the IAA has identified the already emerging market of cultural insurrection as the most stable market in the years to come. IAA

www.notbored.org/the-scp.html - The Surveillance Camera Players

10 GERMANY www.azapp.de/littlesister - Little Sister

rhizome.org/artbase/2634/surveillance.htm - Police Surveillance. by David Jackson A counter-surveillance exercise and artwork made in Sheffield to gauge the nature and degree of CCTV surveillance www.stunned.org/spook/ - Spook, by Conor McGarrigle

pook is a distributed web-based artwork which explores issues of surveillance, tracking and covert activity on the web in an interactive website based on the conventions of computer 13 MANCHESTER, UK

www.cudi.dk/projekt\_plan/projektplan\_EN.html - CCTV project le are establishing a tv-channel transmitting live from a cctv system in a shopping mall. The area where this takes place is an infamous modernist suburb. We are trying to subvert the use surveillance cameras and bring the control back to the public sphere.'

LAS VEGAS, NEVADA, USA

Once a year, in Vegas, in July, and they have hacker jeopardy too he page is rich with links and information – the links may not always

**ENCHEDE, TWENTE, NETHERLANDS** 

his is the fourth in a series that has been running every four years since 1989. 'The

alactic Hacker Party' (1989), 'Hacking at the End of the Universe' (1993) and 'Hacking in

The famous Hacker's Convention, HOPE, was held in New York in 2000, and was sponsored (as usual) by 2600

magazine. H2K2 – the fourth Hackers On Planet Earth conference – has been confirmed for Summer 2002.

RootFest was a computer security convention and conference being held in Minneapolis, Minnesota, USA. First of its kind in the

TooRcon is a comprehensive three-day computer security extravaganza featuring lectures from some of the top experts in the field and hands-on

Nashville's free annual hacker conference. 'Anyone is welcome to attend. We create an environment where people who are interested in the more underground elements of

'For more than a decade, the Chaos Computer Club has been a voice for all the hackers in this world. Confronted with an exploding use of information technology we will broaden our efforts to address

Midwest, welcoming computer security professionals, hackers, IT professionals, government agents, feds; anyone who wanted to learn. It

www.defcon.org - DEF CON Convention

be up to date, but those that are, are excellent.

www.hal2001.org - Hackers at Large

www.hope.net - HOPE 2000: Hackers On Planet Earth

emonstrations of the newest approaches to computer security.

chicanery' so all opinions can be expressed. It is producing a piece of software called Peekabooty, 'a distributed collaborative privacy network.'

have seen the light of day. 'Dymaxion Dreams' introduction by Pauline van Mourik Broekman. Thanks to John Ferry at the BFI.

IACKING, SECURITY, TECH DIY EDUCATION

6 NASHVILLE, TN, USA www.phreaknic.org - PhreakNIC 5 // organised by

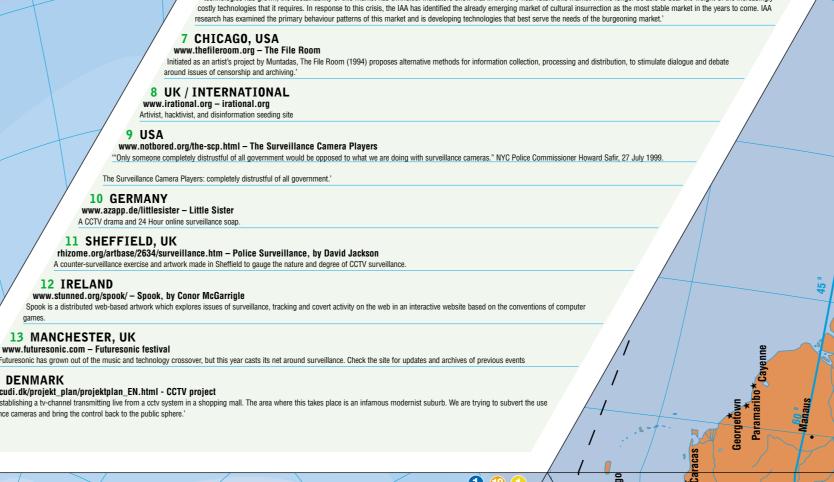
technology can meet, exchange ideas and hopefully teach/learn.'

www.ccc.de - the Chaos Computer Club

LUBBOCK, TEXAS, USA

the issues of our time, which is more than just the Internet.'

and chaosradio.ccc.de - Chaos Radio



PRIVACY AND FREE SPEECH CAMPAIGNING 11 SAN FRANCISCO, USA

www.gilc.org - Global Internet Liberty Campaign GILC is an alliance linking the American Civil Liberties Union, EPIC, Human Rights Watch, the Internet Society (ISOC), Privacy International, Association des Utilisateurs d'Internet and other civil and human rights organisations targeting censorship in particular. 2 LONDON, UK

www.privacyinternational.org - Privacy International (see State & legislation related) Privacy International (PI) is a human rights group formed in 1990 as a watchdog on surveillance by governments and corporations. PI is based in London, England, and has an office in Washington, D.C. PI has conducted campaigns throughout the world on issues ranging from wiretapping and national security activities, to ID cards, video surveillance, data matching, police information systems, and medical

www.freeonline.or.kr/english - Stop Korean Online Censorship Last year, the Korean Ministry of Information & Communication (MIC) of the Kim Dae-jung government tried to pass the Communication Decency Act, which included an Internet Content Rating System provision. Many Korean progressive groups fought against the legislation and finally, before being passed, the clauses related to the Content Rating System were deleted from the Act. 4 WASHINGTON, DC, USA www.ifea.net – Internet Free Expression Alliance

The Internet Free Expression Alliance works to 'ensure the continuation of the Internet as a forum for open, diverse and unimpeded expression and to maintain the vital role the Internet plays in providing an efficient and democratic means of distributing information around the world.' It encourages informed public debate and discussion of proposals to rate and/or filter online content and attempts to identify new threats to free expression and First Amendment values on the Internet, whether legal or technological.

www.alcei.it - Associazione per la libertà nella communiczione elettronica interattiva (ALCEI)

3 SEOUL, KOREA

6 NETHERLANDS www.bof.nl - Bits of Freedom 'Bits of Freedom is a civil rights and privacy organisation for the information society. It aims to focus attention on the civil rights aspects of data privacy, information access, filtering and searching, as well as cryptography, wiretapping, and freedom of expression. 7 WASHINGTON, USA

www.cdt.org - Center for Democracy and Technology 'The Center for Democracy and Technology works to promote democratic values and constitutional liberties in the digital age. With expertise in law, technology, and policy, CDT seeks practical solutions to enhance free expression and privacy in global and other new communications media.'

www.cyber-rights.org/interception/echelon - Echelon Watch, Cyber-Rights & Cyber-Cyber-Rights & Cyber-Liberties (UK) is a non-profit civil liberties organisation whose main purpose is to promote free speech and privacy on the Internet, and to raise public awareness of these important issues. The Echelon Watch project deals with the interception of communications at a global stage, providing information and links to international, governmental and non governmental, public and secret (private) developments in relation to the interception of all sorts of communications, and with particular focus on ECHELON and ENFOPOL issues.

www.jca.apc.org/index-en.html - JCA-Net for peace, social & environmental justice and human dignity' 10 CA, USA

www.derechos.org - Derechos

Derechos Human Rights promotes respect of

privacy and campaigns against impunity for human rights

protection and promotion of the civil liberties of users and operators of computer based communications systems. It advocates the amendment of laws and regulations in Australia and elsewhere (both current and proposed) which restrict free speech and unfettered access to information 13 CANADA

12 AUSTRALIA

www.efc.ca – Electronic Frontiers Canada (EFC) Canadian Charter of Rights and Freedoms remain protected as new computing,

www.efa.org.au - Electronic Frontiers Australia (EFA)

communications, and information technologies are introduced into Canadian society.

Electronic Frontiers Canada (EFC) was founded to ensure that the principles embodied in the

www.postalwatch.org - PostalWatch PostalWatch is a non-partisan not-for-profit organisation which has been formed to protect individuals and the private sector business community from intrusive United

The Electronic Frontier Foundation (EFF) was created 'to defend our rights to think, speak, and share our

ideas, thoughts, and needs using new technologies, such as the Internet and the World Wide Web.' The

'Electronic Frontiers Australia Inc. is a non-profit national organisation representing Internet users

concerned with on-line freedoms and rights. EFA was formed in January 1994 and is focussed on the

underrepresented group with a powerful and unified voice in postal affairs that impact their businesses and personal lives. www.spy.org.uk - CCTV Surveillance Regulation Watching Them, Watching Us. UK Public CCTV Surveillance

Regulation Campaign covers CCTV and more: license plate campaigning organisations, open infrastructures and IT self-

16 HONG KONG www.gandanet.com.hk/privacy/index.html

their legal right to privacy and data protection 17 VIENNA, AUSTRIA free.netbase.org - Free Public

During a protracted series of legal conflicts with the Austrian involvement in 'alternative' culture and discourses, medi Netbase set up this site to rally support to its cause attacks on, and

defence of, its

1 INDEPENDENT MEDIA CENTRES (IMCs), INTERNATIONAL One starting point to access an international network of collectively generated and maintained 'indymedia' sites. Though associated with the

> 'Helping activists stay safe in our oppressive world.' Provides information that will help activists protect their privacy. 3 ROME, ITALY www.tmcrew.org - Tactical Media Crew Set up by the 'radical autonomous scene' in Rome – culture jammers, privacy and anti-corporatism activists

anti-capitalist movement's direct concerns and tactics, 'IMCs' are increasingly focused on a greater breadth of issues tied up with capitalism

and its fallout: ecology, education, civil rights, the law and media.

2 TORONTO, CANADA

2 AMSTERDAM, THE NETHERLANDS

tech2.southspace.org - Tech\_2, Towerblock TV, and more.

Learn how to hack into a towerblock cable feed and operate resident-run TV from your own highrise flat

Learn about open community publishing, software and database tools. The sequel to the Tech\_nicks

From Hull and proud: hackHull lists people, projects, conferences, info-sources and much more.

www.genderchangers.org - Genderchangers

www.hackhull.com - hackHull

INTERNATIONAL

www.2600.org/meetings - International 2600 Meetings

ach. Meetings are open to anyone of any age or level of expertise.'

BRISTOL & LONDON, UK

rums 'for all interested in technology to meet and talk about events in technology-land, learn, and

www.bristol2600.org.uk // www.london2600.org.uk - Bristol and London meetings

Past visitors include: 'computer hackers, phone phreakers, cyberpunks, performance artists, systems

network gurus, anti-virus programmers, penetration testers, multimedia artists, internet entrepreneurs,

newbies, cybercriminals, warez d00dz, old skool, movie script writers, 31337, civil liberties activists

www.xs4all.nl/~tank/radikal - Radikal A newspaper on and for the radikal / autonomous left – their website was banned in Germany and had to move to XS4ALL in Amsterdam. Consequently they are a strong voice in the anti-censorship lobby. www.papertiger.org - Paper Tiger TV

> 'PTTV is an open, non-profit, volunteer video collective. Through the production and distribution of our public access series, media literacy/video production workshops, community screenings and grassroots advocacy PTTV works to challenge and expose the corporate control of mainstream media.' www.rsf.fr/uk - Reporters Without Borders The Reporters without Borders web site participates in the fight for free expression by

7 WOLVERHAMPTON, UK www.professionalsecurity.co.úk – Professional Security Magazine

8 FRANCE www.bugbrother.com - Bua <BR>0th3 News and Project site for privacy activists. 9 NEW YORK, USA www.freeradio.org/mpb/stealths.html - This Radio inspired by the success of the growing, nation-wide micro-

power radio movement, have added their community to the radiorebelia.mega.com.pl - Radio

www.squat.net/ascii – Amsterdam Subversive Code for Information Interchange (ASCII) 15 LONDON, UK free2air.org – Freé2air.org

Wireless networking project in London, gradually setting up and testing a series of nodes across various London districts as well as establishing the logistical and technical framework for collaboration with others www.sarai.net - Sarai: the New Media Initiative, Delhi, India The free exchange of code, information and cultural products is central to our conception of the digital public domain. In societies, where hierarchy

Provided community news, discussions and interviews, information, and a wide range of music until it was silenced by a court injunction in June

1998. FRB's original mission has now been taken up by Berkeley Liberation Radio, challenging the regulatory structure and power of the Federal

www.mikro.org/Events/OS/wos2 - Wizards of OS 2 conference on free knowledge cultures "To defend the freedom of knowledge is probably the most important task facing us in the future," said Prof. Dr. Norbert Szyperski, a leading micro economist, at the Wizards of OS 1. The WOS 2 want to take up this challenge and give impulses for an open culture of free knowledge.' 19 AMSTERDAM, NETHERLANDS

crashing into media culture every few years, the next 5 minutes conferences bring together media activists, artists and philosophers. The last, in 1999, is still catalogued on the n5m site, with a journal produced together with the De Digitale Stad. 20 MUNICH, GERMANY AND LONDON, UK

www.heise.de/tp - Telepolis, magazine of net culture

This online journal has been instrumental in bringing Echelon into the public eye and regularly breaks news articles on surveillance and privacy within the EU. <See 'A Very Private Affair', by co-editor Armin Medosch in Mute21:

www.metamute.com - Metamute Provider of 'critical/information/services', this is the *Mute* magazine's home and origin point of the Surveillance Metamap.

**PUBLISHERS, INDEPENDENT MEDIA** AND OPEN INFRASTRUCTURES

vww.radiocittáperta.it – Radio Città Aperta

www.privacyfoundation.org - Privacy Foundation

13 BERKLEY, CALIFORNIA, USA

14 AMSTERDAM, NETHERLANDS

www.freeradio.org - Free Radio Berkley,

### FULLER PROJECTION Dymaxion™ Air-Ocean World

The Dymaxion™ Air-Ocean World map, invented by R. Buckminster Fuller, shows our 1980 & 1992 Buckminster Fuller Institute. All rights reserved. Cartographic services fo areas, and without any breaks in the continental contours. R. Buckminster Fuller and Shoii Dymaxion Map design are trademarks of the Buckminster Fuller Institute © 1938, 1967. Phone (310) 837 7710 Fax (310) 837 7715.

planet without any visible distortion or relative shapes and sizes of the land and sea this edition (used by Metamute) provided by R.R. Donnelley & Sons Co., Lancaster, PA. For more information concerning the work of Buckminster Fuller please contact Original map published by Buckminster Fuller Institute. The word Dymaxion and the Buckminster Fuller Institute, 1743 S. La Cienega Blvd., Los Angeles, CA 90035

The Metamap was conceived by Metamute and designed by Damian Jaques, using Buckminster Fuller's Dymaxion map as a base. The original map was traced 'by hand' using Illustrator, so the Metamap's fine lines should be appreciated for the tour de force of precision work they are. Tracers: Mr. Simon Worthington and Ms. Raquel Peres de Eulate - without whose patience it would not This map has been produced by Metamute [www.metamute.com] with kind permission to use the original from the Buckminster Fuller Institute [www.bfi.org]. On the reverse side, you can find information and listings for Deep ROOT, a festival organised by Hull Time Based Arts exploring 'deep networks' of artistic and collaborative practice in the information society [www.timebase.org]. Metamute, 2nd Floor East, Universal House, 88-94 Wentworth Street, London E1 7SA. T: +44 (0)20 7377 6949 // F: +44 (0)20 7377 9520 // E: mute@metamute.com