

# Manifestos for the Internet Age

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## **IV Authors**

# **Part I**

**1974 - 1999**

# Computer Lib

Any nitwit can understand computers, and many do. Unfortunately, due to ridiculous historical circumstances, computers have been made a mystery to most of the world. And this situation does not seem to be improving. You hear more and more about computers, but to most people it's just one big blur. The people who *know* about computers often seem unwilling to explain things or answer your questions. Stereotyped notions develop about computers operating in fixed ways - and so confusion increases. The chasm between laymen and computer people widens fast and dangerously.

This book is a measure of desperation, so serious and abysmal is the public sense of confusion and ignorance. Anything with buttons or lights can be palmed off on the layman as a computer. There are so many different things, and their differences are so important; yet to the lay public they are lumped together as "computer stuff," indistinct and beyond understanding or criticism. It's as if people couldn't tell apart camera from exposure meter or tripod, or car from truck or tollbooth. This book is therefore devoted to the premise that

**EVERYBODY SHOULD UNDERSTAND COMPUTERS.**

It is intended to fill a crying need. Lots of everyday people have asked me where they can learn about computers, and I have had to say nowhere. Most of what is written about computers for the layman is either unreadable or silly. (Some exceptions are listed nearby; you can go to them instead of this if you want.) But virtually nowhere is the big picture simply enough explained. Nowhere can one get a simple, soup-to-nuts

overview of what computers are really about, without technical or mathematical mumbo-jumbo, complicated examples, or talking down. This book is an attempt.

(And nowhere have I seen a simple book explaining to the layman the fabulous wonderland of computer graphics which awaits us all, a matter which means a great deal to me personally, as well as a lot to all of us in general. That's discussed on the flip side.)

Computers are simply a necessary and enjoyable part of life, like food and books. Computers are not everything, they are just an *aspect* of everything, and not to know this is computer illiteracy, a silly and dangerous ignorance.

Computers are as easy to understand as cameras. I have tried to make this book like a photography magazine - breezy, forceful and as vivid as possible. This book will explain how to tell apples from oranges and which way is up. If you want to make cider, or help get things right side up. you will have to go on from here.

I am not a skillful programmer, hands-on person or eminent professional; I am just a computer fan, computer fanatic if you will. But if Dr. David Reuben can write about sex I can certainly write about computers. I have written this like a letter to a nephew, chatty and personal. This is perhaps less boring for the reader, and certainly less boring for the writer, who is doing this in a hurry. Like a photography magazine, it throws at you some rudiments in a merry setting. Other things are thrown in so you'll get the sound of them, even if the details are elusive. (We learn most everyday things by beginning with vague impressions, but somehow en-



couraging these is not usually felt to be respectable.) What I have chosen for inclusion here has been arbitrary, based on what might amuse and give quick insight. Any bright highschool kid, or anyone else who can stumble through the details of a photography magazine, should be able to understand this book, or get the main ideas. This will not make you a programmer or a computer person, though it may help you talk that talk, and perhaps make you feel more comfortable (or at least able to cope) when new machines encroach on your life. If you can get a chance to learn programming – see the suggestions on p. – it’s an awfully good experience for anybody above fourth grade. But the main idea of this book is to help you tell apples from oranges, and which way is up. I hope you do go on from here, and have made a few suggestions.

I am “publishing” this book myself, in this first draft form, to test its viability, to see how mad the computer people get, and to see if there is as much hunger to understand computers, among all you Folks Out There, as I think. I will be interested to receive corrections and suggestions for subsequent editions, if any. (The computer field is its own exploding universe, so I’ll worry about up-to-dateness at that time.)

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Nelson, Theodor. 1974. *Computer Lib: You Can and Must Understand Computers Now; Dream Machines: New Freedoms Through Computer Screens— A Minority Report*. Self-published. ISBN 0-89347-002-3.

# The GNU Manifesto

The GNU Manifesto (which appears below) was written by Richard Stallman at the beginning of the GNU Project, to ask for participation and support. For the first few years, it was updated in minor ways to account for developments, but now it seems best to leave it unchanged as most people have seen it.

Since that time, we have learned about certain common misunderstandings that different wording could help avoid. Footnotes added since 1993 help clarify these points.

For up-to-date information about the available GNU software, please see the information available on our web server, in particular our list of software. For how to contribute, see <http://www.gnu.org/help/help.html>.

## **What's GNU? Gnu's Not Unix!**

GNU, which stands for Gnu's Not Unix, is the name for the complete Unix-compatible software system which I am writing so that I can give it away free to everyone who can use it.(1) Several other volunteers are helping me. Contributions of time, money, programs and equipment are greatly needed.

So far we have an Emacs text editor with Lisp for writing editor commands, a source level debugger, a yacc-compatible parser generator, a linker, and around 35 utilities. A shell (command interpreter) is nearly completed. A new portable optimizing C compiler has compiled itself and may be released this year. An initial kernel exists but many more features are needed to emulate Unix. When the kernel and compiler are finished, it will be possible to distribute a GNU system suitable for program development. We will use TeX as our text formatter, but an nroff is being worked on. We will use the free, portable X Window System as well. After this we will add a portable Common Lisp, an Empire game, a spreadsheet, and hundreds of other things, plus online documentation. We hope to supply, eventually, everything useful that normally comes with a Unix system, and more.

GNU will be able to run Unix programs, but will not be identical to Unix. We will make all improvements that are convenient, based on our experience with other operating systems. In particular, we plan to have longer file names, file version numbers, a crashproof file system, file name completion perhaps, terminal-independent display support, and perhaps eventually a Lisp-based window system through which several Lisp programs and ordinary Unix programs can share a screen. Both C and Lisp will be available as system programming languages. We will try to support UUCP, MIT Chaosnet, and Internet protocols for communication.

GNU is aimed initially at machines in the 68000/16000 class with virtual memory, because they are the easiest machines to make it run on. The extra effort to make it run on smaller machines will be left to someone who

wants to use it on them.

To avoid horrible confusion, please pronounce the g in the word "GNU" when it is the name of this project.

## **Why I Must Write GNU**

I consider that the Golden Rule requires that if I like a program I must share it with other people who like it. Software sellers want to divide the users and conquer them, making each user agree not to share with others. I refuse to break solidarity with other users in this way. I cannot in good conscience sign a nondisclosure agreement or a software license agreement. For years I worked within the Artificial Intelligence Lab to resist such tendencies and other inhospitalities, but eventually they had gone too far: I could not remain in an institution where such things are done for me against my will.

So that I can continue to use computers without dishonor, I have decided to put together a sufficient body of free software so that I will be able to get along without any software that is not free. I have resigned from the AI Lab to deny MIT any legal excuse to prevent me from giving GNU away.(2)

## **Why GNU Will Be Compatible with Unix**

Unix is not my ideal system, but it is not too bad. The essential features of Unix seem to be good ones, and I think I can fill in what Unix lacks without spoiling them. And a system compatible with Unix would be convenient for many other people to adopt.

## **How GNU Will Be Available**

GNU is not in the public domain. Everyone will be permitted to modify and redistribute GNU, but no distributor will be allowed to restrict its further redistribution. That is to say, proprietary modifications will not be allowed. I want to make sure that all versions of GNU remain free.

## **Why Many Other Programmers Want to Help**

I have found many other programmers who are excited about GNU and want to help.

Many programmers are unhappy about the commercialization of system software. It may enable them to make more money, but it requires them to feel in conflict with other programmers in general rather than feel as comrades. The fundamental act of friendship

among programmers is the sharing of programs; marketing arrangements now typically used essentially forbid programmers to treat others as friends. The purchaser of software must choose between friendship and obeying the law. Naturally, many decide that friendship is more important. But those who believe in law often do not feel at ease with either choice. They become cynical and think that programming is just a way of making money.

By working on and using GNU rather than proprietary programs, we can be hospitable to everyone and obey the law. In addition, GNU serves as an example to inspire and a banner to rally others to join us in sharing. This can give us a feeling of harmony which is impossible if we use software that is not free. For about half the programmers I talk to, this is an important happiness that money cannot replace.

## **How You Can Contribute**

(Nowadays, for software tasks to work on, see the High Priority Projects list and the GNU Help Wanted list, the general task list for GNU software packages. For other ways to help, see the guide to helping the GNU operating system.)

I am asking computer manufacturers for donations of machines and money. I'm asking individuals for donations of programs and work.

One consequence you can expect if you donate machines is that GNU will run on them at an early date. The machines should be complete, ready to use systems, approved for use in a residential area, and not in need of sophisticated cooling or power.

I have found very many programmers eager to contribute part-time work for GNU. For most projects, such part-time distributed work would be very hard to coordinate; the independently written parts would not work together. But for the particular task of replacing Unix, this problem is absent. A complete Unix system contains hundreds of utility programs, each of which is documented separately. Most interface specifications are fixed by Unix compatibility. If each contributor can write a compatible replacement for a single Unix utility, and make it work properly in place of the original on a Unix system, then these utilities will work right when put together. Even allowing for Murphy to create a few unexpected problems, assembling these components will be a feasible task. (The kernel will require closer communication and will be worked on by a small, tight group.)

If I get donations of money, I may be able to hire a few people full or part time. The salary won't be high by programmers' standards, but I'm looking for people for whom building community spirit is as important as making money. I view this as a way of enabling dedicated people to devote their full energies to working on GNU by sparing them the need to make a living in another way.

## **Why All Computer Users Will Benefit**

Once GNU is written, everyone will be able to obtain good system software free, just like air.(3)

This means much more than just saving everyone the price of a Unix license. It means that much wasteful duplication of system programming effort will be avoided. This effort can go instead into advancing the state of the art.

Complete system sources will be available to everyone. As a result, a user who needs changes in the system will always be free to make them himself, or hire any available programmer or company to make them for him. Users will no longer be at the mercy of one programmer or company which owns the sources and is in sole position to make changes.

Schools will be able to provide a much more educational environment by encouraging all students to study and improve the system code. Harvard's computer lab used to have the policy that no program could be installed on the system if its sources were not on public display, and upheld it by actually refusing to install certain programs. I was very much inspired by this.

Finally, the overhead of considering who owns the system software and what one is or is not entitled to do with it will be lifted.

Arrangements to make people pay for using a program, including licensing of copies, always incur a tremen-



dous cost to society through the cumbersome mechanisms necessary to figure out how much (that is, which programs) a person must pay for. And only a police state can force everyone to obey them. Consider a space station where air must be manufactured at great cost: charging each breather per liter of air may be fair, but wearing the metered gas mask all day and all night is intolerable even if everyone can afford to pay the air bill. And the TV cameras everywhere to see if you ever take the mask off are outrageous. It's better to support the air plant with a head tax and chuck the masks.

Copying all or parts of a program is as natural to a programmer as breathing, and as productive. It ought to be as free.

## **Some Easily Rebutted Objections to GNU's Goals**

**“Nobody will use it if it is free, because that means they can't rely on any support.”**

**“You have to charge for the program to pay for providing the support.”**

If people would rather pay for GNU plus service than get GNU free without service, a company to provide just service to people who have obtained GNU free ought to be profitable.(4)

We must distinguish between support in the form of real programming work and mere handholding. The former is something one cannot rely on from a soft-

ware vendor. If your problem is not shared by enough people, the vendor will tell you to get lost.

If your business needs to be able to rely on support, the only way is to have all the necessary sources and tools. Then you can hire any available person to fix your problem; you are not at the mercy of any individual. With Unix, the price of sources puts this out of consideration for most businesses. With GNU this will be easy. It is still possible for there to be no available competent person, but this problem cannot be blamed on distribution arrangements. GNU does not eliminate all the world's problems, only some of them.

Meanwhile, the users who know nothing about computers need handholding: doing things for them which they could easily do themselves but don't know how.

Such services could be provided by companies that sell just handholding and repair service. If it is true that users would rather spend money and get a product with service, they will also be willing to buy the service having got the product free. The service companies will compete in quality and price; users will not be tied to any particular one. Meanwhile, those of us who don't need the service should be able to use the program without paying for the service.

**“You cannot reach many people without advertising, and you must charge for the program to support that.”**

**“It's no use advertising a program people can get free.”**

There are various forms of free or very cheap publicity that can be used to inform numbers of computer users

about something like GNU. But it may be true that one can reach more microcomputer users with advertising. If this is really so, a business which advertises the service of copying and mailing GNU for a fee ought to be successful enough to pay for its advertising and more. This way, only the users who benefit from the advertising pay for it.

On the other hand, if many people get GNU from their friends, and such companies don't succeed, this will show that advertising was not really necessary to spread GNU. Why is it that free market advocates don't want to let the free market decide this?(5)

**“My company needs a proprietary operating system to get a competitive edge.”**

GNU will remove operating system software from the realm of competition. You will not be able to get an edge in this area, but neither will your competitors be able to get an edge over you. You and they will compete in other areas, while benefiting mutually in this one. If your business is selling an operating system, you will not like GNU, but that's tough on you. If your business is something else, GNU can save you from being pushed into the expensive business of selling operating systems.

I would like to see GNU development supported by gifts from many manufacturers and users, reducing the cost to each.(6)

**“Don't programmers deserve a reward for their creativity?”**

If anything deserves a reward, it is social contribution. Creativity can be a social contribution, but only in so

far as society is free to use the results. If programmers deserve to be rewarded for creating innovative programs, by the same token they deserve to be punished if they restrict the use of these programs.

**“Shouldn’t a programmer be able to ask for a reward for his creativity?”**

There is nothing wrong with wanting pay for work, or seeking to maximize one’s income, as long as one does not use means that are destructive. But the means customary in the field of software today are based on destruction.

Extracting money from users of a program by restricting their use of it is destructive because the restrictions reduce the amount and the ways that the program can be used. This reduces the amount of wealth that humanity derives from the program. When there is a deliberate choice to restrict, the harmful consequences are deliberate destruction.

The reason a good citizen does not use such destructive means to become wealthier is that, if everyone did so, we would all become poorer from the mutual destructiveness. This is Kantian ethics; or, the Golden Rule. Since I do not like the consequences that result if everyone hoards information, I am required to consider it wrong for one to do so. Specifically, the desire to be rewarded for one’s creativity does not justify depriving the world in general of all or part of that creativity.

**“Won’t programmers starve?”**

I could answer that nobody is forced to be a programmer. Most of us cannot manage to get any money for

standing on the street and making faces. But we are not, as a result, condemned to spend our lives standing on the street making faces, and starving. We do something else.

But that is the wrong answer because it accepts the questioner's implicit assumption: that without ownership of software, programmers cannot possibly be paid a cent. Supposedly it is all or nothing.

The real reason programmers will not starve is that it will still be possible for them to get paid for programming; just not paid as much as now.

Restricting copying is not the only basis for business in software. It is the most common basis(7) because it brings in the most money. If it were prohibited, or rejected by the customer, software business would move to other bases of organization which are now used less often. There are always numerous ways to organize any kind of business.

Probably programming will not be as lucrative on the new basis as it is now. But that is not an argument against the change. It is not considered an injustice that sales clerks make the salaries that they now do. If programmers made the same, that would not be an injustice either. (In practice they would still make considerably more than that.)

**“Don't people have a right to control how their creativity is used?”**

“Control over the use of one's ideas” really constitutes control over other people's lives; and it is usually used to make their lives more difficult.

People who have studied the issue of intellectual property rights(8) carefully (such as lawyers) say that there is no intrinsic right to intellectual property. The kinds of supposed intellectual property rights that the government recognizes were created by specific acts of legislation for specific purposes.

For example, the patent system was established to encourage inventors to disclose the details of their inventions. Its purpose was to help society rather than to help inventors. At the time, the life span of 17 years for a patent was short compared with the rate of advance of the state of the art. Since patents are an issue only among manufacturers, for whom the cost and effort of a license agreement are small compared with setting up production, the patents often do not do much harm. They do not obstruct most individuals who use patented products.

The idea of copyright did not exist in ancient times, when authors frequently copied other authors at length in works of nonfiction. This practice was useful, and is the only way many authors' works have survived even in part. The copyright system was created expressly for the purpose of encouraging authorship. In the domain for which it was invented—books, which could be copied economically only on a printing press—it did little harm, and did not obstruct most of the individuals who read the books.

All intellectual property rights are just licenses granted by society because it was thought, rightly or wrongly, that society as a whole would benefit by granting them. But in any particular situation, we have to ask: are we really better off granting such license? What kind of

act are we licensing a person to do?

The case of programs today is very different from that of books a hundred years ago. The fact that the easiest way to copy a program is from one neighbor to another, the fact that a program has both source code and object code which are distinct, and the fact that a program is used rather than read and enjoyed, combine to create a situation in which a person who enforces a copyright is harming society as a whole both materially and spiritually; in which a person should not do so regardless of whether the law enables him to.

**“Competition makes things get done better.”**

The paradigm of competition is a race: by rewarding the winner, we encourage everyone to run faster. When capitalism really works this way, it does a good job; but its defenders are wrong in assuming it always works this way. If the runners forget why the reward is offered and become intent on winning, no matter how, they may find other strategies—such as, attacking other runners. If the runners get into a fist fight, they will all finish late.

Proprietary and secret software is the moral equivalent of runners in a fist fight. Sad to say, the only referee we've got does not seem to object to fights; he just regulates them (“For every ten yards you run, you can fire one shot”). He really ought to break them up, and penalize runners for even trying to fight.

**“Won't everyone stop programming without a monetary incentive?”**

Actually, many people will program with absolutely no monetary incentive. Programming has an irresistible

fascination for some people, usually the people who are best at it. There is no shortage of professional musicians who keep at it even though they have no hope of making a living that way.

But really this question, though commonly asked, is not appropriate to the situation. Pay for programmers will not disappear, only become less. So the right question is, will anyone program with a reduced monetary incentive? My experience shows that they will.

For more than ten years, many of the world's best programmers worked at the Artificial Intelligence Lab for far less money than they could have had anywhere else. They got many kinds of nonmonetary rewards: fame and appreciation, for example. And creativity is also fun, a reward in itself.

Then most of them left when offered a chance to do the same interesting work for a lot of money.

What the facts show is that people will program for reasons other than riches; but if given a chance to make a lot of money as well, they will come to expect and demand it. Low-paying organizations do poorly in competition with high-paying ones, but they do not have to do badly if the high-paying ones are banned.

**“We need the programmers desperately. If they demand that we stop helping our neighbors, we have to obey.”**

You're never so desperate that you have to obey this sort of demand. Remember: millions for defense, but not a cent for tribute!

**“Programmers need to make a living somehow.”**



In the short run, this is true. However, there are plenty of ways that programmers could make a living without selling the right to use a program. This way is customary now because it brings programmers and businessmen the most money, not because it is the only way to make a living. It is easy to find other ways if you want to find them. Here are a number of examples.

A manufacturer introducing a new computer will pay for the porting of operating systems onto the new hardware.

The sale of teaching, handholding and maintenance services could also employ programmers.

People with new ideas could distribute programs as freeware(9), asking for donations from satisfied users, or selling handholding services. I have met people who are already working this way successfully.

Users with related needs can form users' groups, and pay dues. A group would contract with programming companies to write programs that the group's members would like to use.

All sorts of development can be funded with a Software Tax:

Suppose everyone who buys a computer has to pay  $x$  percent of the price as a software tax. The government gives this to an agency like the NSF to spend on software development.

But if the computer buyer makes a donation to software development himself, he can take a credit against the tax. He can donate to the project of his own choosing—often, chosen because he hopes to use

the results when it is done. He can take a credit for any amount of donation up to the total tax he had to pay.

The total tax rate could be decided by a vote of the payers of the tax, weighted according to the amount they will be taxed on.

The consequences:

- The computer-using community supports software development.
- This community decides what level of support is needed.
- Users who care which projects their share is spent on can choose this for themselves.

In the long run, making programs free is a step toward the postscarcity world, where nobody will have to work very hard just to make a living. People will be free to devote themselves to activities that are fun, such as programming, after spending the necessary ten hours a week on required tasks such as legislation, family counseling, robot repair and asteroid prospecting. There will be no need to be able to make a living from programming.

We have already greatly reduced the amount of work that the whole society must do for its actual productivity, but only a little of this has translated itself into leisure for workers because much nonproductive activity is required to accompany productive activity. The main causes of this are bureaucracy and isometric struggles against competition. Free software will greatly reduce these drains in the area of software production. We must do this, in order for technical gains in productivity to translate into less work for us.

## Footnotes

1. The wording here was careless. The intention was that nobody would have to pay for permission to use the GNU system. But the words don't make this clear, and people often interpret them as saying that copies of GNU should always be distributed at little or no charge. That was never the intent; later on, the manifesto mentions the possibility of companies providing the service of distribution for a profit. Subsequently I have learned to distinguish carefully between "free" in the sense of freedom and "free" in the sense of price. Free software is software that users have the freedom to distribute and change. Some users may obtain copies at no charge, while others pay to obtain copies—and if the funds help support improving the software, so much the better. The important thing is that everyone who has a copy has the freedom to cooperate with others in using it.
2. The expression "give away" is another indication that I had not yet clearly separated the issue of price from that of freedom. We now recommend avoiding this expression when talking about free software. See "Confusing Words and Phrases" for more explanation.
3. This is another place I failed to distinguish carefully between the two different meanings of "free". The statement as it stands is not false—you can get copies of GNU software at no charge, from your friends or over the net. But it does suggest the wrong idea.

4. Several such companies now exist.
5. Although it is a charity rather than a company, the Free Software Foundation for 10 years raised most of its funds from its distribution service. You can order things from the FSF to support its work.
6. A group of computer companies pooled funds around 1991 to support maintenance of the GNU C Compiler.
7. I think I was mistaken in saying that proprietary software was the most common basis for making money in software. It seems that actually the most common business model was and is development of custom software. That does not offer the possibility of collecting rents, so the business has to keep doing real work in order to keep getting income. The custom software business would continue to exist, more or less unchanged, in a free software world. Therefore, I no longer expect that most paid programmers would earn less in a free software world.
8. In the 1980s I had not yet realized how confusing it was to speak of "the issue" of "intellectual property". That term is obviously biased; more subtle is the fact that it lumps together various disparate laws which raise very different issues. Nowadays I urge people to reject the term "intellectual property" entirely, lest it lead others to suppose that those laws form one coherent issue. The way to be clear is to discuss patents, copyrights, and trademarks separately. See further explanation of how this term spreads confusion and bias.

9. Subsequently we learned to distinguish between “free software” and “freeware”. The term “free-ware” means software you are free to redistribute, but usually you are not free to study and change the source code, so most of it is not free software. See “Confusing Words and Phrases” for more explanation.

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Modified versions may not be made.

Source: <https://www.gnu.org/gnu/manifesto.html>

# The Hacker's Manifesto

## The Conscience of a Hacker

By The Mentor (a.k.a. Loyd Blankenship)

Written on January 8, 1986

Another one got caught today, it's all over the papers. "Teenager Arrested in Computer Crime Scandal", "Hacker Arrested after Bank Tampering"...

Damn kids. They're all alike.

But did you, in your three-piece psychology and 1950's technobrain ever take a look behind the eyes of the Hacker? Did you ever wonder what made him tick, what forces shaped him, what may have molded him?

I am a Hacker, enter my world...

Mine is a world that begins with school... I'm smarter than most of the other kids, this crap they teach us bores me...

Damn underachiever. They're all alike.

I'm in junior high or high school. I've listened to teachers explain for the fifteenth time how to reduce a fraction. I understand it. "No, Ms. Smith, I didn't show my work. I did it in my head..."

Damn kid. Probably copied it. They're all alike.

I made a discovery today. I found a computer. Wait a second, this is cool. It does what I want it to. If it makes a mistake, it's because I screwed it up. Not because it doesn't like me...

Or feels threatened by me...

Or thinks I'm a smart ass...

Or doesn't like teaching and shouldn't be here...

Damn kid. All he does is play games. They're all alike.

And then it happened... a door opened to a world... rushing through the phone line like heroin through an addict's veins, an electronic pulse is sent out, a refuge from the day-to-day incompetencies is sought... a board is found.

"This is it... this is where I belong..."

I know everyone here... even if I've never met them, never talked to them, may never hear from them again... I know you all...

Damn kid. Tying up the phone line again. They're all alike...

You bet your ass we're all alike... we've been spoon-fed baby food at school when we hungered for steak... the bits of meat that you did let slip were pre-chewed and tasteless. We've been dominated by sadists, or ignored by the apathetic. The few that had something to teach found us willing pupils, but those few are like drops of water in the desert.

This is our world now... the world of the electron and the switch, the beauty of the baud. We make use of the service already existing without paying for what could be dirt-cheap if it wasn't run by profiteering gluttons, and you call us criminals. We explore... and you call us criminals. We seek after knowledge... and you call us criminals. We exist without skin color, without nationality, without religious bias... and you call us criminals. You build atomic bombs, you wage wars, you murder, cheat, and lie to us and try to make us believe it's for our own good, yet we're the criminals.

Yes, I am a criminal. My crime is that of curiosity. My crime is that of judging people by what they say and think, not what they look like. My crime is that of out-smarting you, something that you will never forgive me for.

I am a hacker, and this is my manifesto. You may stop this individual, but you can't stop us all... after all, we're all alike.

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Published in: Phrack, Volume One, Issue 7, Phile 3 of 10



# Manifesto for the Unstable Media

We strive for constant change; for mobility.

We make use of the unstable media, that is, all media which make use of electronic waves and frequencies, such as engines, sound, light, video, computers, and so on. Instability is inherent to these media.

Quantum mechanics has proved, among other things, that the smallest elementary particles, such as electrons, exist in ever-changing forms. They have no stable form, but are characterized by dynamic mobility. This unstable, mobile form of the electron is the basis of the unstable media.

The unstable media are the media of our time. They are the showpieces in our modern homes. We promote their comprehensive use, instead of the often practiced misuse of these media.

We love instability and chaos, because they stand for progress. We do not see chaos as survival of the fittest, but as an order which is composed of countless fragmentary orders, which differ among themselves and within which the prevailing status quo is only a short orientation point.

The unstable media move within the concepts of 'movement-time-space', which implies the possibility of combining more forms and contents within one piece of work. The unstable media reflect our pluriform world.

Unstable media are characterized by dynamic motion and changeability, this in contrast with the world of

art which reaches us through the publicity media. This has come to a standstill and has become a budget for collectors, officials, historians and critics.

ART MUST BE DESTRUCTIVE AND CONSTRUCTIVE.

---

The Manifesto for the Unstable Media was issued by V2\_Organisation in 's-Hertogenbosch (Netherlands) in 1987. At the time, V2\_ began transforming itself from an multi-media organisation into a centre for media technology. The Manifesto laid down the theoretical principles of V2\_, also known since that time, as the Institute for the Unstable Media. Though an historical document, most of what is in the Manifesto is still crucial for the work of the organisation. One way or the other, it would need continuous updating, being, as it should be, unstable.

Source:

<https://web.archive.org/web/20000619222100/http://www.v2.nl/browse/v2/manifesto.html>

# Cyberfeminist Manifesto for the 21st Century

We are the modern cunt  
positive anti reason  
unbounded unleashed unforgiving  
we see art with our cunt we make art with our cunt  
we believe in jouissance madness holiness and poetry  
we are the virus of the new world disorder  
rupturing the symbolic from within  
saboteurs of big daddy mainframe  
the clitoris is a direct line to the matrix  
VNS MATRIX  
terminators of the moral codes  
mercenaries of slime  
go down on the altar of abjection  
probing the visceral temple we speak in tongues  
infiltrating disrupting disseminating  
corrupting the discourse  
we are the future cunt

---

Manifesto first declared by VNS Matrix  
1991, Adelaide & Sydney, Australia

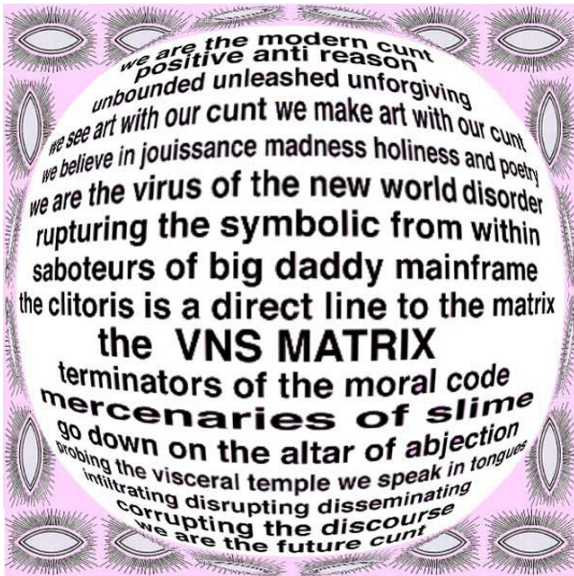


Figure 1: Cyberfeminist Manifesto for the 21st Century

# A Declaration of the Independence of Cyberspace

by John Perry Barlow

Governments of the Industrial World, you weary giants of flesh and steel, I come from Cyberspace, the new home of Mind. On behalf of the future, I ask you of the past to leave us alone. You are not welcome among us. You have no sovereignty where we gather.

We have no elected government, nor are we likely to have one, so I address you with no greater authority than that with which liberty itself always speaks. I declare the global social space we are building to be naturally independent of the tyrannies you seek to impose on us. You have no moral right to rule us nor do you possess any methods of enforcement we have true reason to fear.

Governments derive their just powers from the consent of the governed. You have neither solicited nor received ours. We did not invite you. You do not know us, nor do you know our world. Cyberspace does not lie within your borders. Do not think that you can build it, as though it were a public construction project. You cannot. It is an act of nature and it grows itself through our collective actions.

You have not engaged in our great and gathering conversation, nor did you create the wealth of our marketplaces. You do not know our culture, our ethics, or the unwritten codes that already provide our society more

order than could be obtained by any of your impositions.

You claim there are problems among us that you need to solve. You use this claim as an excuse to invade our precincts. Many of these problems don't exist. Where there are real conflicts, where there are wrongs, we will identify them and address them by our means. We are forming our own Social Contract. This governance will arise according to the conditions of our world, not yours. Our world is different.

Cyberspace consists of transactions, relationships, and thought itself, arrayed like a standing wave in the web of our communications. Ours is a world that is both everywhere and nowhere, but it is not where bodies live.

We are creating a world that all may enter without privilege or prejudice accorded by race, economic power, military force, or station of birth.

We are creating a world where anyone, anywhere may express his or her beliefs, no matter how singular, without fear of being coerced into silence or conformity.

Your legal concepts of property, expression, identity, movement, and context do not apply to us. They are all based on matter, and there is no matter here.

Our identities have no bodies, so, unlike you, we cannot obtain order by physical coercion. We believe that from ethics, enlightened self-interest, and the commonweal, our governance will emerge. Our identities may be distributed across many of your jurisdictions. The only law that all our constituent cultures would generally recognize is the Golden Rule. We hope we

will be able to build our particular solutions on that basis. But we cannot accept the solutions you are attempting to impose.

In the United States, you have today created a law, the Telecommunications Reform Act, which repudiates your own Constitution and insults the dreams of Jefferson, Washington, Mill, Madison, DeToqueville, and Brandeis. These dreams must now be born anew in us.

You are terrified of your own children, since they are natives in a world where you will always be immigrants. Because you fear them, you entrust your bureaucracies with the parental responsibilities you are too cowardly to confront yourselves. In our world, all the sentiments and expressions of humanity, from the debasing to the angelic, are parts of a seamless whole, the global conversation of bits. We cannot separate the air that chokes from the air upon which wings beat.

In China, Germany, France, Russia, Singapore, Italy and the United States, you are trying to ward off the virus of liberty by erecting guard posts at the frontiers of Cyberspace. These may keep out the contagion for a small time, but they will not work in a world that will soon be blanketed in bit-bearing media.

Your increasingly obsolete information industries would perpetuate themselves by proposing laws, in America and elsewhere, that claim to own speech itself throughout the world. These laws would declare ideas to be another industrial product, no more noble than pig iron. In our world, whatever the human mind may create can be reproduced and distributed infinitely at no cost. The global conveyance of thought no longer requires your factories to accomplish.

These increasingly hostile and colonial measures place us in the same position as those previous lovers of freedom and self-determination who had to reject the authorities of distant, uninformed powers. We must declare our virtual selves immune to your sovereignty, even as we continue to consent to your rule over our bodies. We will spread ourselves across the Planet so that no one can arrest our thoughts.

We will create a civilization of the Mind in Cyberspace. May it be more humane and fair than the world your governments have made before.

Davos, Switzerland

February 8, 1996



# Manifeste du Web indépendant

Le Web indépendant, ce sont ces millions de sites offrant des millions de pages faites de passion, d'opinion, d'information, mises en place par des utilisateurs conscients de leur rôle de citoyens. Le Web indépendant, c'est un lien nouveau entre les individus, une bourse du savoir gratuite, offerte, ouverte ; sans prétention.

Face aux sites commerciaux aux messages publicitaires agressifs, destinés à fichier et cibler les utilisateurs, le Web indépendant propose une vision respectueuse des individus et de leurs libertés, il invite à la réflexion et au dialogue. Quand les sites d'entreprises se transforment en magazines d'information et de divertissement, quand les mastodontes de l'info-spectacle, des télécommunications, de l'informatique et de l'armement investissent le réseau, le Web indépendant propose une vision libre du monde, permet de contourner la censure économique de l'information, sa confusion avec la publicité et le publi-reportage, sa réduction à un spectacle abrutissant et manipulateur.

Pourtant le Web indépendant et contributif est menacé ; menacé par la fuite en avant technologique qui rend la création de sites de plus en plus complexe et chère, par l'écrasante puissance publicitaire du Web marchand, et bientôt par les accès dissymétriques, les Network Computers, les réseaux privés, le broadcasting, destinés à cantonner le citoyen au seul rôle de consommateur. Déjà la presse spécialisée, si avide des publicités d'annonceurs qui récupèrent à leur profit la formidable richesse du Web contributif, et fascinée

par les enjeux techniques et commerciaux de l'Internet, réserve quelques maigres lignes aux sites indépendants, occulte l'enjeu culturel du réseau, expédie rapidement la mort des sites pionniers du Web artisanal, quand elle glose en long et en large sur le nouveau site de tel vendeur de soupe. La création d'un site personnel y est présentée aux utilisateurs comme une motivation très annexe, loin derrière les possibilités d'utilisation en ligne de sa carte de crédit.

Nous invitons donc les utilisateurs à prendre conscience de leur rôle primordial sur l'Internet : lorsqu'ils montent leur propre site, lorsqu'ils envoient des commentaires, critiques et encouragements aux webmestres, lorsqu'ils s'entraident dans les forums et par courrier électronique, ils offrent une information libre et gratuite que d'autres voudraient vendre et contrôler. La pédagogie, l'information, la culture et le débat d'opinion sont le seul fait des utilisateurs, des webmestres indépendants et des initiatives universitaires et associatives.

dimanche 2 février 1997  
par le minirézo

# Hackerethik

Chaos Computer Club e.V.

- Der Zugang zu Computern und allem, was einem zeigen kann, wie diese Welt funktioniert, sollte unbegrenzt und vollständig sein.
- Alle Informationen müssen frei sein.
- Mißtraue Autoritäten - fördere Dezentralisierung
- Beurteile einen Hacker nach dem, was er tut und nicht nach üblichen Kriterien wie Aussehen, Alter, Rasse, Geschlecht oder gesellschaftlicher Stellung.
- Man kann mit einem Computer Kunst und Schönheit schaffen.
- Computer können dein Leben zum Besseren verändern
- Mülle nicht in den Daten anderer Leute
- Öffentliche Daten nützen, private Daten schützen

Die Hackerethik ist nur bedingt einheitlich definiert. Es gibt eine ursprüngliche Version aus dem Buch "Hackers" von Steven Levy (ISBN 0-440-13405-6). Unstrittig ist insofern, daß die ursprüngliche Version aus dem MIT-Eisenbahnerclub (Tech Model Railroad Club) kommt und insofern aus einer Zeit stammt, in der sich verhältnismäßig viele Leute wenige Computer teilen mußten und entsprechende Überlegungen zum Umgang miteinander und der Materie sinnvoll waren.

Die letzten beiden Punkte sind Ergänzungen des CCC aus den 80er Jahren. Nachdem einige mehr oder weniger durchgeknallte aus der Hackerszene bzw. aus dem Umfeld auf die Idee kamen, ihr "Hack-Knowhow"

dem KGB anzubieten, gab es heftige Diskussionen, weil Geheimdienste eher konträr zur Förderung freier Information stehen. Aber auch Eingriffe in die Systeme fremder Betreiber wurden zunehmend als kontraproduktiv erkannt.

Um den Schutz der Privatsphäre des einzelnen mit der Förderung von Informationsfreiheit für Informationen, die die Öffentlichkeit betreffen, zu verbinden, wurde schließlich der bislang letzte Punkt angefügt.

Die Hackerethik befindet sich - genauso wie die übrige Welt - insofern in ständiger Weiterentwicklung und Diskussion.

Im Rahmen des 15. Chaos Communication Congress (27.-29.12.1998) fand ein Workshop statt, der noch andere Aspekte hervorgebracht hat, die bisher noch nicht eingearbeitet wurden. Das dort diskutierte Modell teilt sich in die Kategorien "Glaube" und "Moral", das ja bereits in der Kirche einige Jahrhunderte erfolgreich praktiziert wurde. Glaube (z.B. an eine Verbesserung der Lage durch Förderung von Informationsfreiheit und Transparenz) steht - wie auch in der Kirche - vor Moral (z.B. an den Regeln, mit fremden Systemen sorgsam umzugehen). Bevor wir jetzt allerdings anstreben, eine Kirche zu werden und dann auch gleich konsequenter Ablasshandel u.ä. zu betreiben, überlegen wir uns das nochmal gründlich. Dabei dürfen natürlich alle mitdenken.

Bis dahin stehen die o.g. Regeln als Diskussionsgrundlage und Orientierung.

Verbesserungsvorschläge und Eingaben dazu gerne jederzeit an den Chaos Computer Club

Quelle: <https://web.archive.org/web/20011227211029/>  
<http://www.ccc.de/hackerethics>

# Lowtech Manifesto

"Lowtech" means technology that is cheap or free.

Technology moves on so fast that right now we can recover low-end Pentiums and fast Macintoshes from the trash. Lowtech upgrades every year. But we don't have to pay for it.

Lowtech includes hardware and software. We advocate freeware and low cost software. We particularly advocate the use of low cost, open source operating systems.

High technology doesn't mean high creativity. In fact sometimes the restrictions of a medium lead to the most creative solutions.

Independence is important. Don't lock your creativity into a box you don't control.

Access is important. Don't lock your creativity into a format we can't see.

High tech artworks market new PCs. Even if they aren't meant to. Artworks that make use of new, expensive technology can't avoid being, in part, sales demonstrations. Part of the message of an online video stream, whatever its content, is "Hey, isn't it time for an upgrade?".

Communicators concerned with the meaning and context of what they do may want to avoid this.

We're skeptical about the consumerist frenzy associated with information technology. Lowtech questions the two year upgrade cycle.

A lot of people say that new media is revolutionary. They say the net is anarchic and subversive. But how

subversive can you be in an exclusive club, with a \$1000 entrance fee?

Lowtech counters exclusivity. Lowtech is street level technology.

Text is great for communicating. Write down what you want to say. Make it clear and simple and non-exclusive.

Email is still the "killer app". Fast, low cost global communication for the ordinary citizen is genuinely something new.

HTML is good for lots more than web pages. Now you can author all sorts of graphical stuff with a plain text editor.

Use the web for plain text and images. It's simple and cheap and quick and it works.

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A rant approximating the content of this document was delivered to an audience of new media artists and activists by James Wallbank, Coordinator of Redundant Technology Initiative, at The Next 5 Minutes conference in Amsterdam, March 1999.

Source: <http://lowtech.org/projects/n5m3/>

## **Part II**

**2000 - 2009**



# The Hacktivismo Declaration

assertions of liberty  
in support of an uncensored internet

DEEPLY ALARMED that state-sponsored censorship of the Internet is rapidly spreading with the assistance of transnational corporations,

TAKING AS A BASIS the principles and purposes enshrined in Article 19 of the Universal Declaration of Human Rights (UDHR) that states, "Everyone has the right to freedom of opinion and expression; this right includes freedom to hold opinions without interference and to seek, receive and impart information and ideas through any media and regardless of frontiers", and Article 19 of the International Covenant on Civil and Political Rights (ICCPR) that says,

1. Everyone shall have the right to hold opinions without interference.
2. Everyone shall have the right to freedom of expression; this right shall include freedom to seek, receive and impart information and ideas of all kinds, regardless of frontiers, either orally, in writing or in print, in the form of art, or through any other media of his choice.
3. The exercise of the rights provided for in paragraph 2 of this article carries with it special duties and responsibilities. It may therefore be subject to certain restrictions, but these shall only be such as are provided by law and are necessary:

- a. For respect of the rights or reputations of others;
- b. For the protection of national security or of public order, or of public health or morals.

RECALLING that some member states of the United Nations have signed the ICCPR, or have ratified it in such a way as to prevent their citizens from using it in courts of law,

CONSIDERING that, such member states continue to willfully suppress wide-ranging access to lawfully published information on the Internet, despite the clear language of the ICCPR that freedom of expression exists in all media,

TAKING NOTE that transnational corporations continue to sell information technologies to the world's most repressive regimes knowing full well that they will be used to track and control an already harried citizenry,

TAKING INTO ACCOUNT that the Internet is fast becoming a method of repression rather than an instrument of liberation,

BEARING IN MIND that in some countries it is a crime to demand the right to access lawfully published information, and of other basic human rights,

RECALLING that member states of the United Nations have failed to press the world's most egregious information rights violators to a higher standard,

MINDFUL that denying access to information could lead to spiritual, intellectual, and economic decline,

the promotion of xenophobia and destabilization of international order,

CONCERNED that governments and transnationals are colluding to maintain the status quo,

DEEPLY ALARMED that world leaders have failed to address information rights issues directly and without equivocation,

RECOGNIZING the importance to fight against human rights abuses with respect to reasonable access to information on the Internet,

THEREFORE WE ARE CONVINCED that the international hacking community has a moral imperative to act, and we

DECLARE:

That full respect for human rights and fundamental freedoms includes the liberty of fair and reasonable access to information, whether by shortwave radio, air mail, simple telephony, the global internet, or other media.

That we recognize the right of governments to forbid the publication of properly categorized state secrets, child pornography, and matters related to personal privacy and privilege, among other accepted restrictions. but we oppose the use of state power to control access to the works of critics, intellectuals, artists, or religious figures.

That state sponsored censorship of the internet erodes peaceful and civilized coexistence, affects the exercise of democracy, and endangers the socioeconomic development of nations.

That state-sponsored censorship of the internet is a serious form of organized and systematic violence against citizens, is intended to generate confusion and xenophobia, and is a reprehensible violation of trust.

That we will study ways and means of circumventing state sponsored censorship of the internet and will implement technologies to challenge information rights violations.

Issued July 4, 2001 by Hactivismo and the CULT OF THE DEAD COW.

# Manifesto for Agile Software Development

We are uncovering better ways of developing software by doing it and helping others do it.

Through this work we have come to value:

- **Individuals and interactions** over processes and tools
- **Working software** over comprehensive documentation
- **Customer collaboration** over contract negotiation
- **Responding to change** over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

## Principles behind the Agile Manifesto

We follow these principles:

1. Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
2. Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
3. Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.

4. Business people and developers must work together daily throughout the project.
5. Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
6. The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
7. Working software is the primary measure of progress.
8. Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
9. Continuous attention to technical excellence and good design enhances agility.
10. Simplicity—the art of maximizing the amount of work not done—is essential.
11. The best architectures, requirements, and designs emerge from self-organizing teams.
12. At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.

## **Authors**

Kent Beck, Mike Beedle, Arie van Bennekum, Alistair Cockburn, Ward Cunningham, Martin Fowler, James Grenning, Jim Highsmith, Andrew Hunt, Ron Jeffries, Jon Kern, Brian Marick, Robert C. Martin, Steve Mellor, Ken Schwaber, Jeff Sutherland, Dave Thomas

this declaration may be freely copied in any form, but only in its entirety through this notice.

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Source:

<http://www.agilemanifesto.org/>

# The Zero Dollar Laptop Manifesto

The zero dollar laptop is here!

The zero dollar laptop is widely available to individuals in the developed world. It's also available to businesses, governmental organisations and NGOs. It's also available in the developing world. Distribution is ramping up.

The zero dollar laptop comes in a variety of specifications.

The current typical specification of the zero dollar laptop in the UK is around 500mHz, with 256mB RAM, a 10 gigabyte hard disk, a network card, a CD-ROM, a USB port and a screen capable of displaying at least 800x600 pixels in 16-bit colour. Many zero dollar laptops are better specified. (Its close cousin, the zero dollar desktop, typically runs at 1000mHz or faster.)

The zero dollar laptop is constantly being upgraded - so by next year its specification will be even more powerful.

The zero dollar laptop is powered with free, open source software. Users can get involved as deeply as they want - the software packages available include easy to use graphical applications, more complex professional applications, and expert level programming languages.

Free software upgrades for the zero dollar laptop are constantly being made available, from a huge variety of software producers.



The zero dollar laptop is not intended simply for multimedia entertainment. Though it can be an educational playground, it can also be a genuinely useful production platform.

The zero dollar laptop allows kids to learn and adults to produce. (Only when people are able to use computers to produce their own data does information communication technology become genuinely empowering.)

The zero dollar laptop has already been distributed. (You weren't told about it at the time of distribution.)

Individuals, businesses and non-profit organisations can all have a say in how the zero dollar laptop is rolled out in their local area. It's not up to government think-tanks, multinational NGOs or national policy boards.

The zero dollar laptop is available to individuals, education organisations, NGOs and businesses alike.

The carbon footprint of the zero dollar laptop is zero.

You, as an individual, may already own a zero dollar laptop.

What's it doing? Sitting on your shelf, unused, because you've already upgraded?

Your employer or your school may own a large number of zero dollar laptops.

What are they doing? Are they getting recycled responsibly (i.e. destroyed) by the company that supplied them? (That's often the company that just happens to be supplying the next generation of laptops.)

Perhaps surprisingly, you may not know how to install or operate the zero dollar laptop.

You may never have installed a free, open source operating system. You may never have installed any operating system.

Nowadays it's quite easy. You can download a full version of the Linux operating system appropriate for the specification of your zero dollar laptop for free. It's entirely legal.

Many versions of Linux are user-friendly. There are lots of help resources online, and there are likely to be local people who'll be happy to give you advice.

You may be unaware of lightweight window-managers that use memory more efficiently. You may never have used powerful, compatible free office and productivity software. It may surprise you to discover that free software can be better than software you can buy.

You may be reluctant to invest time, of which you may only have a little, rather than invest money - of which you may have plenty.

Think about the longer-term consequences: buy software and you'll have to pay again and again. Invest time learning about free software, and you'll never have to pay for software again.

For the sake of the planet, and for the sake of a fair, just, and cohesive society, isn't it about time you learned? Then maybe you could teach someone else.

You may ask, "Why isn't someone doing something to roll out the zero dollar laptop?" In developed-world economies and cultures we're familiar with centralised

solutions. We're less familiar with localised, decentralised, do-it-yourself solutions. In this case, that "someone" is you.

Decentralised solutions like the zero dollar laptop may not seem to be as efficient as centralised solutions. However, efficiency isn't everything. Solutions of this character are more robust, more responsive to local circumstances, greener, more flexible, and they encourage local skill development and independence.

You may have to spend unpaid time learning about and implementing the distribution of a few zero dollar laptops in your area. Think about the contacts you'll make and the skills you'll learn. Think about the skills you'll help to develop, the lives you may transform, the fun you'll have.

The emergence of the zero dollar laptop as a key computing platform for empowering individuals, stimulating creativity, overcoming poverty and enriching our shared culture is entirely feasible without any additional research, design, or manufacture.

We already have all the tools we need - all we need to manufacture is the will to act locally; all we need to replace is the software on our hard drives; all we need to develop is the content of our minds.

James Wallbank, Sheffield, September 2007

# Zero Dollar Laptop Manifesto

## Notes

In 1999 I wrote the Lowtech Manifesto [<http://lowtech.org/projects/n5m3/>]. That small document has been widely circulated, quoted and translated, and seems to have influenced, and encouraged) a large number of people concerned with developments at the cutting edge of digital culture. It's become clear to me that sometimes, all that's needed is for someone to state what's needed and call for action. Think of this methodology as a "WhyTo" rather than a "HowTo".

At the time I proposed a creative approach to technology re-use. As a result of my decision to re-use technology, I haven't needed to buy a computer in the last decade. I've been involved in the development of a whole series of innovative digital artworks and the establishment of "Access Space", an open access space for the local community to learn, create and communicate using recycled computers running free, open source software.

At the time of the Lowtech Manifesto, Professor Nicholas Negroponte pointed out (and was quoted in "Wired" magazine) the pressing social need for an accessibly priced computer. He reflected that the industry simply wasn't interested in engaging in the low profit, "commodity computing" market, and set about campaigning for the production of a \$100 laptop.

At the time, laptops cost around \$1000 or more - but as we know, the price has been falling. Now new, generic, no-brand computers (and Dell workstations)

are available for less than \$500.

To avoid the early emergence of commodity computing, in the last few years manufacturers have been encouraging consumers to switch to laptops. Laptops are great for the industry, because they often use fiddly, proprietary spare parts (only supplied by the manufacturer), they're difficult or impossible to upgrade, and their lifespan is much lower than that of a desktop (if only because people drop them more often!)

However, the industry hasn't been able to resist the trend for long - in the UK you can sign up for some broadband packages and get a new laptop for nothing - in very much the same way that you can buy a mobile phone contract and get an expensive handset apparently for free.

Although the industry doesn't like to acknowledge it, the age of commodity computing is now here.

Meanwhile, the Linux free operating system and associated free software packages, have developed hugely. Linux is now very straightforward to use and provides a powerful suite of software which many experts agree is superior to the software you can buy.

Linux is very compatible with other systems, and research conducted on behalf of the UK government suggests it make much more efficient use of a given hardware specification. Effectively, it doubles the useful lifespan of a computer. It's the key to unlocking the potential of the zero dollar laptop.

So at last, the industry has agreed to assist with Professor Negroponte's plans, and the \$100 laptop has started to be produced.

The \$100 laptop has transformed into the "One Laptop Per Child" project. The price point has not been attainable - at the time of writing (September 2007) the price is about \$176. There's also a "Give One Get One" deal - for \$399 you buy two, and you get one to keep, while another is shipped to a poor country.

Very sensibly, Professor Negroponte has pointed out that the vision isn't about laptops - it's about education. Don't get me wrong! I'm very positive about some aspects of the vision of the One Laptop Per Child Foundation. Distributing information technology may have hugely positive educational and empowering effects.

However, I've got some major issues with the "One Laptop per Child" \$100 laptop project.

- It's ten years too late.
- It's \$176 overpriced.
- The project is limited to laptops for children in poor countries.
- Even if you "Give One Get One", nobody who's the wrong side of the digital divide in developed countries gets help.
- Whatever they say, the industry has become involved on terms still hugely orientated around consumerism, not empowerment.
- It's still a top-down process, by which rich, powerful institutions determine "the solution" and distribute it to poor, less powerful institutions, who distribute it to recipients whose role is essentially passive.

This manifesto talks about a laptop, but it isn't con-

cerned with technology for its own sake. The issue is whether technology has an educational, empowering effect.

Technology has the power to amplify opportunity – but it also has the capacity to amplify social division: to make the rich richer, and the poor poorer.

For technology to be a force for good, it should genuinely make its users more independent, autonomous, fulfilled and happy.

## **License**

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Sources: <https://robvankranenburgs.wordpress.com/2007/10/11/james-wallbank-says-the-zero-dollar-laptop-manifesto/>  
[https://jaromil.dyne.org/journal/zero\\_dollar\\_laptop.html](https://jaromil.dyne.org/journal/zero_dollar_laptop.html)

# Avant-Pop Manifesto

## Thread baring itself in ten quick posts

### 1

Now that Postmodernism is dead and we're in the process of finally burying it, something else is starting to take hold in the cultural imagination and I propose that we call this new phenomenon Avant-Pop.

### 2

Whereas it's true that certain strains of Postmodernism, Modernism, Structuralism and Post-Structuralism, Surrealism, Dadaism, Futurism, Capitalism and even Marxism pervade the new sensibility, the major difference is that the artists who create Avant-Pop art are the Children of Mass Media (even more than being the children of their parents who have much less influence over them). Most of the early practitioners of Postmodernism, who came into active adult consciousness in the fifties, sixties and early seventies, tried desperately to keep themselves away from the forefront of the newly powerful Mediagenic Reality that was rapidly becoming the place where most of our social exchange was taking place. Despite its early insistence on remaining caught up in the academic and elitist art world's presuppositions of self-institutionalization and incestuality, Postmodernism found itself overtaken by the popular media engine that eventually killed it and from its remains Avant-Pop is now born.



### 3

Avant-Pop artists have had to resist the avant-garde sensibility that stubbornly denies the existence of a popular media culture and its dominant influence over the way we use our imaginations to process experience. At the same time, A-P artists have had to work hard at not becoming so enamored of the false consciousness of the Mass Media itself that they lose sight of their creative directives. The single most important creative directive of the new wave of Avant-Pop artists is to enter the mainstream culture as a parasite would sucking out all the bad blood that lies between the mainstream and the margin. By sucking on the contaminated bosom of mainstream culture, Avant-Pop artists are turning into Mutant Fictioneers, it's true, but our goal is and always has been to face up to our monster deformation and to find wild and adventurous ways to love it for what it is. The latter strains of Postmodernism attempted to do this too but were unable to find the secret key that led right into the mainstream cell so as to facilitate and accelerate the rapid decomposition of the host's body. This is all changing as the emerging youth culture, with its deep-rooted cynicism and nomadic movement within the "dance of biz", now has the power to make or break the economic future of decrepit late-capitalism.

Avant-Pop artists themselves have acquired immunity from the Terminal Death dysfunctionalism of a Pop Culture gone awry and are now ready to offer their own weirdly concocted elixirs to cure us from this dreadful disease ("information sickness") that infects the core of our collective life.

## 4

Now whereas Avant-Pop artists are fully aware of their need to maintain a crucial Avant-sensibility as it drives the creative processing of their work and attaches itself to the avant-garde lineage they spring from, they are also quick to acknowledge the need to develop more openminded strategies that will allow them to attract attention within the popularized forms of representation that fill up the contemporary Mediascape. Our collective mission is to radically alter the Pop Culture's focus by channeling a more popularized kind of dark, sexy, surreal, and subtly ironic gesturing that grows out of the work of many 20th century artists like Marcel Duchamp, John Cage, Lenny Bruce, Raymond Federman, William Burroughs, William Gibson, Ronald Sukenick, Kathy Acker, the two Davids (Cronenberg and Lynch), art movements like Fluxus, Situationism, Lettrism and Neo-Hoodooism, and scores of rock bands including the Sex Pistols, Pere Ubu, Bongwater, Tackhead, The Breeders, Pussy Galore, Frank Zappa, Sonic Youth, Ministry, Jane's Addiction, Tuxedo Moon and The Residents.

The emerging wave of Avant-Pop artists now arriving on the scene find themselves caught in this struggle to rapidly transform our sick, commodity-infested workaday culture into a more sensual, trippy, exotic and networked Avant-Pop experience. One way to achieve this would be by creating and expanding niche communities. Niche communities, many of which already exist through the zine scene, will become, by virtue of the convergent electronic environments, virtual communities. By actively engaging themselves in the continuous

exchange and proliferation of collectively-generated electronic publications, individually- designed creative works, manifestos, live on-line readings, multi-media interactive hypertexts, conferences, etc., Avant-Pop artists and the alternative networks they are part of will eat away at the conventional relics of a by-gone era where the individual artist- author creates their beautifully-crafted, original works of art to be consumed primarily by the elitist art-world and their business- cronies who pass judgement on what is appropriate and what is not.

Literary establishment? Art establishment? Forget it. Avant-Pop artists wear each other's experiential data like waves of chaotic energy colliding and mixing in the textual-blood while the ever-changing flow of creative projects that ripple from their collective work floods the electronic cult-terrain with a subtle anti-establishment energy that will forever change the way we disseminate and interact with writing.

## 5

Avant-Pop artists welcome the new Electronic Age with open arms because we know that this will vastly increase our chances of finding an audience of like-minded individuals who we can communicate and collaborate with. The future of writing is moving away from the lone writer sitting behind a keyboard cranking out verse so that one day he or she may find an editor or agent or publisher who will hype their work to those interested in commercial literary culture. Instead, the future of writing will feature more multi-media

collaborative authoring that will make itself available to hundreds if not thousands of potential associates around the world who will be actively internetworking in their own niche communities. Value will depend more on the ability of the different groups of artist-associates to develop a reputation for delivering easily accessible hits of the Special Information Tonic to the informationally-sick correspondent wherever he or she may be (one of the other great things about to make Avant-Pop the most exciting movement-chemistry of the 20th century and into the 21st Century is that our audience will be both immediate and global, all in one breath).

Writers who continue to support an outmoded concept of the lone writer dissociated from the various niche communities at their disposal will eventually lose touch with the nanosecond speed at which the movement-chemistry wanders and will find their own work and its individually-isolated movement decelerating into turtle-like oblivion.

Can you imagine what The Futurists would have done with an Information Superhighway?

## 6

Antonin Artaud, founder of The Theater of Cruelty, once said that "I am the enemy of the theater. I have always been. As much as I love the theater, I am, for this very reason, equally its enemy." Avant-Pop artists are the enemy of pop culture and the avant-garde, both domains seemingly so far-fetched in a world that celebrates itself with live TV wars, rampant economic

disenfranchisement and nanosecond identity changes. Our lineage, the bloodbath of cultural history we swim in, includes Artaud, Lautreamont, Jarry, Rimbaud, Futurism, Situationism, Fluxus, Abstract Expressionism, Henry Miller, Gertrude Stein, William Burroughs, Terry Southern, Surfiction, Metafiction, Postmodernism in all its gruesome details, Laugh-In, Saturday Night Live, Beavis and Butthead, SLACKER, Coltrane Miles Dizzy Don Cherry, feminist deconstruction, the list goes on. We will sample from anything we need. We will rip-off your mother if she has something we find appropriate for our compost-heap creations.

## 7

We don't give a shit about your phony social reality either. "Once upon a time□" doesn't interest us whether your setting is the past (historical fiction), the present (contemporary classics) or the future (cyberhype). We prefer to lose ourselves in the exquisite realms of spacy sex and timeless narrative disaster, the thrill of breaking down syntax and deregulating the field of composition so that you no longer have to feel chained to the bed of commercial standardization. The emerging youth culture's ability to align itself with intuitive intelligence and non-linear narrative surfing is just one sign of where the Avant-Pop artist's audience is situated. Soon the Data Superhighway will finally once and for all do away with the high-priced middlemen, and artists will reap the benefits of their own hard-earned labor. The distribution formula will radically change from

**Author - Agent - Publisher - Printer - Distributor - Retailer - Consumer**

to a more simplified and direct

**Author (Sender) - Interactive Participant (Receiver)**

Avant-Pop artists and their pirate signals promoting wild station identifications are ready to expand into your home right now, just log on, click around and find them. It's all up to YOU, the interactive Avant-Pop artist/participant.

**8**

Postmodernism changed the way we read texts. The main tenet of Postmodernism was: I, whoever that is, will put together these bits of data and form a Text while you, whoever that is, will produce your own meaning based off what you bring to the Text. The future of Avant-Pop writing will take this even one step further. The main tenet that will evolve for the Avant-Pop movement is: I, whoever that is, am always interacting with data created by the Collective You, whoever that is, and by interacting with and supplementing the Collective You, will find meaning. In an Information Age where we all suffer from Information Sickness and Overload, the only cure is a highly-potent, creatively-filtered tonic of (yes) textual residue spilled from the depths of our spiritual unconscious. Creating a work of art will depend more and more on the ability of the artist to select, organize and present the bits of raw data we have at our disposal. We all know originality

is dead and that our contaminated virtual realities are always already readymade and ready for consumption! In a nod to Duchamp's Armory Show scandal, the questions we need to ask ourselves are

1. who are we sharing the cultural-toilet with and
2. what are we filling it up with?

## 9

Avant-Pop artists are already doing a lot of this stuff already. It's impossible to name them all but a random sampling would include Mark Leyner, Ricardo Cortez Cruz, William Gibson, William Vollmann, Larry McCaffery, Ronald Sukenick, Kim Gordon, Doug Rice, Derek Pell, Kim Deal, Darius James, Lauren Fairbanks, Jello Biafra, Lisa Suckdog, Eurudice, Nile Southern, Takayuki Tatsumi, John Bergin, John Shirley, Bruce Sterling, Richard Linklater, Don Webb, The Brothers Quay, Lance Olsen, Curt White, Eugene Chadbourne, King Missile, David Blair, and many, many others. Without even knowing it, the Avant-Pop movement has been secretly generating interest and support for a few years now but has recently become more exposed with the successful breakthrough of the sub-pop alternative music scene, the publication of alternative trade paperbacks like Black Ice Books, and the release of low-budget alternative media projects like *Wax, Or The Discovery of Television Among the Bees*. The future of fiction is *now* as we, its most active practitioners, automatically unwrite it.

Mark Amerika  
Boulder, Colorado

# Mark Shuttleworth's Ubuntu manifesto

Posted by Bill Kerr, June 14 2007

Shuttleworth's Ubuntu philosophy is scattered throughout his blog. I've collected them in one place here.

## **Big challenges for the Free Software Community**

"The real challenge lies ahead - taking free software to the mass market, to your grandparents, to your nieces and nephews, to your friends. This is the next wave, and if we are to be successful we need to articulate the audacious goals clearly and loudly - because that's how the community process works best"

### **#13: "Pretty" as a feature**

"If we want the world to embrace free software, we have to make it beautiful..."

### **#12: Consistent packaging**

"... I'd like to see us define distribution-neutral packaging that suits both the source-heads and the distro-heads"

### **#11: Simplified, rationalised licensing**

"I'm absolutely convinced it is free source, not "open" source, which is at the heart of the innovation that will carry free software to ubiquity ... But my voice is only one of many, and I recognise in this world that there are lots of reasonable, rational positions which are different but still, for some people, appropriate ... So what can be done? Well, I turn for inspiration to the work of the Creative Commons. They've seen this



problem coming a long way off, and realised that it is better to create a clear "licence space" which covers the various permutations and combinations that will come to exist anyway ..."

### **#10: Pervasive presence**

"... turning that haphazard process into a systematic framework - making sure that you (well, more accurately your laptop and your cell phone) know how you should reach out and touch the person you want to communicate with. It's about an integrated address-book - no more distinctions between IM and email ..."

### **#9: Pervasive support**

"... why do people say "Linux is not supported"? Because the guy behind the counter at their corner PC-cafe doesn't support it ... This is why I encourage governments to announce that some portion of their infrastructure will run on Linux - it catalyses the whole ecosystem to make their existing capacity public ..."

### **#8: Govoritye po Russki**

"There are 347 languages with more than a million speakers. But even Ubuntu, which has amazing infrastructure for translation and a great community that actually does the work, is nowhere close to being fully translated in more than 10 or 15 languages"

### **#007: Great gadgets!**

"This world is increasingly defined not so much by the PC, as by the things we use when we are nowhere near a PC. The music player. The smart phone. The digital camera. GPS devices. And many, perhaps most, of these new devices can and do run Linux ..."

## **#6: Sensory immersion**

"What interests me are the ways in which there is cross-over between the virtual world and the real world ... there's going to be a need for innovation around the ways we blur the lines between real and virtual worlds"

## **#5: Real real-time collaboration**

"... people who work with word processors and spreadsheets have rights too! And they could benefit dramatically from much better collaboration ..."

## **#4: Plan, execute, DELIVER**

"Bugs, feature planning, release management, translation, testing and QA... these are all areas where we need to improve the level of collaboration BETWEEN projects. I think Launchpad is a good start but there's a long way to go before we're in the same position that the competition is in - seamless conversations between all developers"

## **#3: The Extra Dimension**

"...an opportunity to rethink and improve on many areas of user interface at the system and app level which have been stagnant for a decade or more"

## **#2: Granny's new camera**

"... the ends of the spectrum - the power users and the don't-mess-with-my-system users, are already well serviced by Linux ... It's the middle crowd - the guys who have a computer which they personally modify, attach new hardware to, and expect to interact with a variety of gadgets - that struggle. The problem, in a nutshell, is Granny's new camera"

## **#1: Keeping it FREE**

"... create something that we've never had before, which is a completely level software playing field for every young aspiring IT practitioner, and every aspiring entrepreneur. I believe that's how we will really change the world, and how we will deliver the full benefit of the movement started more than two decades ago by Richard Stallman"

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Source: <http://billkerr2.blogspot.com/2007/06/mark-shuttleworths-ubuntu-manifesto.html>

# We are Anonymous

Knowledge is free.

We are Anonymous.

We are Legion.

We do not forgive.

We do not forget.

Expect us.

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Source: <https://www.youtube.com/watch?v=JCbKv9yiLiQ>

Date: January 21, 2008

On January 21, 2008, a YouTube post set the template for future Anonymous proclamations. The video, in this case criticizing the Church of Scientology, includes the now-common Anonymous sign-off: "Knowledge is free. We are Anonymous. We are Legion. We do not forgive. We do not forget. Expect us."

# The Lo-Fi Manifesto

## Preamble

The time has come to reject expensive consumer and prosumer software that hinders the extensibility of digital discourse and limits digital production literacy to programs and file formats that are destined for disruptive upgrades or obsolescence.

Digital scholars in the loosely defined fields of rhetoric and composition, computers and writing, and technical communication should create free and open source artifacts that are software- and device-independent. Discourse posted on the open Web can hardly be considered free if access requires costly software or particular devices.

Additionally, the literacies and language we develop through engaging in digital scholarship and knowledge-making should enable us to speak confidently, unambiguously, and critically with one another about the intricacies and methods of digital production.

And as teachers, we should actively work to provide students with sustainable, extensible production literacies through open, rhetorically grounded digital practices that emphasize the source in "free and open source."

## Defining Lo-fi Technologies

Lo-fi production technologies are stable and free. They consist of and/or can retrograde to:

1. Plain text files (.txt, .xml, .htm, .css, .js, etc.)
2. Plain text editors (Notepad, TextEdit, pico/nano, vi, etc.)
3. Standardized, human-readable forms of open languages expressed in plain text (XML, XHTML, CSS, JavaScript, etc.)
4. Single-media files (image, audio, video) in open formats

Despite their humble, decades-old base technology (plain text), innovative uses of lo-fi technologies can be remarkably hi-fi, as in the case of AJAX (whose most famous application may be Google's Gmail service).

## **Lo-fi is LOFI**

"Lo-fi" describes a preferred set of production technologies that digital producers should strive to command, but as an acronym, LOFI outlines four principles of digital production that are essential for the advancement, extension, and long-term preservation of digital discourse:

**Lossless:** Discourse presented through lo-fi production technologies neither degrades nor becomes trapped in the production itself. Text migrates and transforms from a single source (e.g., XML, or an application of XML) to any number of other devices and artifacts; images, video, and other media elements maintain their integrity as individual files that are orchestrated with one another at a reader's moment of access, not at the producer's moment of File > Import or File > Save.

**Open:** Lo-fi artifacts' source code and media elements are available for inspection, revision, and extension outside the scope of any one piece of production software and any one producer. Openness includes and encourages end-user/reader customization and repurposing.

**Flexible:** Discourse artfully and rhetorically created with lo-fi production technologies can be experienced unobtrusively in multiple ways by different users equipped with a wide variety of conventional, mobile, and adaptive devices—all from a single artifact. No plugins, special downloads, or device-/reader-specific artifacts are required.

**In(ter)dependent:** Lo-fi production technologies direct orchestration (like a recipe), not composition (like a TV dinner), allowing users and their devices full control to render (or not) and perhaps repurpose the media elements that constitute a digital artifact.

## Manifesto

1. Software is a poor organizing principle for digital production.
2. Digital literacy should reach beyond the limitations of software.
3. Discourse should not be trapped by production technologies.
4. Accommodate and forgive the end user, not the producer.
5. If a hi-fi element is necessary, keep it dynamic and unobtrusive.

6. Insist on open standards and formats, and software that supports them.
- 

Karl Stolley

"The Lo-Fi Manifesto." *Kairos: A Journal of Rhetoric, Technology, and Pedagogy* 12(3). Available <http://kairos.technorhetoric.net/12.3/> (May 2008).

Sources:

- <http://kairos.technorhetoric.net/12.3/topoi/stolley/>
- <https://github.com/karlstolley/lo-fi>



# The Uppsala Declaration

or

European Pirate Parties Declaration of a basic platform  
for the European Parliamentary Election of 2009

## **Policy**

### **Copyright**

Copyright is well out of touch with today's cultural landscape. It has evolved into an obstacle to creativity, particularly grass roots creativity. We need at least these changes to copyright law:

#### **Copyright is commercial**

Copyright only regulates commercial activity. (Local law usually defines "commercial activity" in sufficient detail.) Non-commercial activity is never regulated by copyright law.

#### **Sharply reduced monopoly term**

Copyright is a limited commercial monopoly that expires well within one generation. The exact term is left to the local pirate party.

#### **No media or hardware levies**

No levies to compensate for copying should be permitted - but we allow for government scholarships or

similar, which are not compensation. This way, it's obviously unilateral, and the copyright lobby doesn't have the implied right to accept or reject.

### **Parliament writes copyright law, not the lobby**

Technical measures that prevent consumers from using culture in ways permitted by law, so-called DRM technologies, are outlawed.

### **Derivative works always permitted**

Instead of having derivative works normally prohibited except in quite fuzzy fair use exceptions, under our copyright, derivative works are always permitted (not covered by the original copyright), with exceptions to this very specifically enumerated in law with minimal room for interpretation (like "direct translations of a book").

### **Patents**

The patent system of today has lost touch with its original intentions, and has developed into something that is harmful to innovation and economic progress in many areas. Pharmaceutical patents raise many ethical concerns, not least in relation to people in developing countries. They are also a driving force behind increasing costs for publicly funded health care systems in the member states.

We demand an initiative for a European study on the economic impact of pharmaceutical patents, compared to other possible systems for financing drug research, and on alternatives to the current system.

Patents on life (including patents on seeds and on genes) and software patents should not be allowed.

## **Civil Rights**

EU and its member states should adhere to the highest standards of democracy. Therefore such principles as transparent government, speedy and fair trial and freedom of speech should always be respected. In this day and age it is crucial to preserve the legal protection of citizens from arbitrary exercise of authority. The EU has an important role to play in shining a light on violations against civil rights in member states.

A democratic society needs a transparent state and non-transparent citizens. The citizens should be able to freely gather to formulate and express their opinions without fear of government surveillance. To expand this to an information society the right to anonymity in communication must be expanded. Therefore the secrecy of correspondence should encompass all digital communication.

## **Votes Strategy**

It is the collective consensus of the gathered European Leaders that with the scarce resources of a new

founded contender party, those resources must be focused on a well identified front bowling pin. Statistical data states that election participation has been on a continual down slope for the past decade and a half for first-time voters, while at the same time, the core support for our issues are in the 18-30 age range. This data is supported by membership demographics. Therefore, the identified key catalyst target group is university students. Previous experience from elections where Pirate Parties have participated show that we are unusually strong at technical universities; up to ten times the national average. We need to broaden this scope to all universities. Universities are ideal in that they are a concentrated recruiting ground with people who are generally passionate about what they take part in.

Using Sweden as a template for numbers, assuming that these numbers are similar across other European countries with Pirate Parties, there are 300k university students. 100k votes are needed to get into the European Parliament. This means that we would need 33% of the votes of the university students, which is not a realistic number. Therefore, we must regard universities all across Europe as a recruiting ground for activists and ambassadors, who recruit voters in their turn. For example, there are another 125k 18-year-olds not yet in university, but who usually have friends there. There are friends, relatives, and social circles.

In other words, the key is to supply political passion about the issues to young people who would otherwise typically not vote at all, and encourage them to become recruiting ambassadors in their turn. There is no identified difference here between different po-

litical issues of ours. To accomplish this, we need to supply these ambassadors with confidence, rhetoric and, where possible, political material to distribute in turn. This is a logistical challenge that needs to be met by each individual European Pirate Party.

## **EP Strategy**

In the European Parliament, it is the party groups that are the key to getting influence. Once elected, we will discuss with the groups that could be of interest, to determine which group is closest to us, and join that group.

Inside the group, we will do our utmost to persuade the other members of the group to join our position on the issues that fall within our political platform. In return, we'll listen to the advice of the group on all other issues, and vote with the group unless we have some strong reasons not to. When we are approached by lobbyists and other parties on issues that are outside the Pirate platform, we will refer them to the relevant person in the group and encourage them to make their case to him. This will allow us to focus on the issues that we really care about. The decision making process in the EU is very complex, and in order to keep on top of what is happening we will need the support of the internet community. The Pirate movement is a grass roots movement that builds on the involvement of many activists working together using modern information technology. This way of working will be a strength that we can use to our benefit once elected.

While working with different issues in the EU, we will keep in mind the principles that we think should be the guiding stars of the EU itself:

## **Subsidiarity**

Decisions should be taken as close to the citizens as possible. The EU should only handle issues that cannot be handled by the individual member states themselves.

## **Transparency**

The decision making process in the EU today works in a way that makes it very difficult for both media and ordinary citizens to follow what is happening and take part in the debate. This has to be improved. We need to work towards more transparency and openness.

## **Accountability**

The European Parliament is the only institution in Brussels that is directly elected by the voters. The role of parliament should be strengthened, so that power is moved out of the back rooms and into the open.

As proposed by the Swedish Piratpartiet on June 29, 2008

Sources:

- <http://Lists.pirateweb.net/pipermail/pp.internationalgeneral/2008-June/001195.html>

- <http://wiki.piratenpartei.de/Uppsala-Deklaration>
- <https://archive.org/details/UppsalaDeclaration>

# Guerilla Open Access Manifesto

Information is power. But like all power, there are those who want to keep it for themselves. The world's entire scientific and cultural heritage, published over centuries in books and journals, is increasingly being digitized and locked up by a handful of private corporations. Want to read the papers featuring the most famous results of the sciences? You'll need to send enormous amounts to publishers like Reed Elsevier.

There are those struggling to change this. The Open Access Movement has fought valiantly to ensure that scientists do not sign their copyrights away but instead ensure their work is published on the Internet, under terms that allow anyone to access it. But even under the best scenarios, their work will only apply to things published in the future. Everything up until now will have been lost.

That is too high a price to pay. Forcing academics to pay money to read the work of their colleagues? Scanning entire libraries but only allowing the folks at Google to read them? Providing scientific articles to those at elite universities in the First World, but not to children in the Global South? It's outrageous and unacceptable.

"I agree," many say, "but what can we do? The companies hold the copyrights, they make enormous amounts of money by charging for access, and it's perfectly legal - there's nothing we can do to stop them." But there is something we can, something that's already being done: we can fight back.



Those with access to these resources - students, librarians, scientists - you have been given a privilege. You get to feed at this banquet of knowledge while the rest of the world is locked out. But you need not - indeed, morally, you cannot - keep this privilege for yourselves. You have a duty to share it with the world. And you have: trading passwords with colleagues, filling download requests for friends.

Meanwhile, those who have been locked out are not standing idly by. You have been sneaking through holes and climbing over fences, liberating the information locked up by the publishers and sharing them with your friends.

But all of this action goes on in the dark, hidden underground. It's called stealing or piracy, as if sharing a wealth of knowledge were the moral equivalent of plundering a ship and murdering its crew. But sharing isn't immoral - it's a moral imperative. Only those blinded by greed would refuse to let a friend make a copy.

Large corporations, of course, are blinded by greed. The laws under which they operate require it - their shareholders would revolt at anything less. And the politicians they have bought off back them, passing laws giving them the exclusive power to decide who can make copies.

There is no justice in following unjust laws. It's time to come into the light and, in the grand tradition of civil disobedience, declare our opposition to this private theft of public culture.

We need to take information, wherever it is stored,

make our copies and share them with the world. We need to take stuff that's out of copyright and add it to the archive. We need to buy secret databases and put them on the Web. We need to download scientific journals and upload them to file sharing networks. We need to fight for Guerilla Open Access.

With enough of us, around the world, we'll not just send a strong message opposing the privatization of knowledge - we'll make it a thing of the past. Will you join us?

Aaron Swartz

July 2008, Eremo, Italy

# POwr, Broccoli and Kopimi

## **/join #kopimi**

According to Kopimi all truths can be summarized in one sentence: "The Internet is right."

Though seeded in prehistory, Kopimi is rooted in the future, and holds together a constantly vibrating avalanche of knowledge that forms the foundation for a discussion indifferent to the rippling changes of time and space. A tumult where no one has the permission to keep silent, and where we must speak to everyone and everything.

In attractive flocks, passionate swarms and boisterous schools, we sow ourselves into new contexts and eras. This book is a spontaneously organizing, clustering community project with a single purpose - Kopimi shall be deepening, propagating, and all-consuming. We want to reach further into ourselves and into Kopimi. We want to penetrate further into you, and into the future.

Our words shall, simultaneously, sound as foolishness upon deaf ears and lovely caresses to those who see and hear, but above all: They should bite firmly into you - and your mom. This is a book for those of you who find yourselves in the moment, but are looking for your way forward through the ages.

## 100 roads to #g-d:

1. Obtain the Internet.
2. Start using IRC.
3. Group and birth a site.
4. Experiment with research chemicals.
5. Design a three-step program.
6. Take a powerful stance for something positive and essential.
7. Regulate nothing.
8. Say that you have to move in two weeks, but stay for seven months. Come back a year later and do it all over again.
9. ROTFLOL.
10. Relax, you're already halfway there.
11. Just kidding.
12. Don't think outside the box. Build a box.
13. Support support.
14. Organize and go to parties and fairs.
15. Start 30-40 blogs about the same things.
16. Drain the private sector of coders, graphic artists and literati.
17. Create a prize that is awarded.
18. Express yourself often in the media, vaguely.
19. Spread all rumors.
20. Seek out and try carding, and travel by expensive trains. Don't order sushi.
21. Start a radio station.
22. Everything you use, you can copy and give an arbitrary name, whether it's a news portal, search engine or public service.
23. Buy a bus.
24. Install a MegaHAL.

25. Make sure that you are really good friends with people who can use Photoshop, HTML, databases, and the like.
26. Read a shitload of philosophy.
27. Give yourself cult status, and act accordingly.
28. Never aim.
29. Pick on everyone.
30. Invent or misuse Kopimi.
31. Do things together as a composition, not as a collective.
32. Make your advertising confusingly similar to that of established ventures.
33. Always act with intent.
34. Assert, in any context, that the establishment is lagging.
35. When criticized, blame others and refer to the cluster formation's non-linear time-creating swarm hierarchy.
36. Send everything to all media, regardless of niche.
37. Start an anonymous confession venture.
38. Make babies and blog their upbringing.
39. Be sure to closely study and keep abreast with substances.
40. Participate in lively Internet discussions that don't interest you.
41. Start at least three to four IRC channels about every project.
42. Fight and make up often.
43. Share files with anyone who wants them.
44. Deal often with humor sites.
45. Hang out with the Left, the Right, and the Libertarians.

46. See "23" in everything.
47. Flirt with money.
48. Be AFK very little.
49. Threaten large American culture corporations.
50. Broadcast radio from Skäggetorp.
51. Make a "100 list" for successful projects.
52. Be unsure what the list should be named.
53. Take upon yourself a lot of projects.
54. Make sure to be connected to technical, aesthetic, and philosophical people of world class competence.
55. Sleep over at each others houses regularly.
56. Publish a book about Kopimi.
57. At a trial, deny everything.
58. Cultivate unfounded myths and react to them.
59. Hack sites, e-mail accounts, and more.
60. Continuously mock and ridicule all aspects of copyright.
61. Create an Internet site where people can buy and sell votes in democratic elections.
62. Claim to be true, fair and satisfied.
63. Collect money for fraux's trip to Iceland.
64. Confidently claim that all disconnected computers are broken.
65. Do NOT go to Kurdistan.
66. Make sure to thoroughly establish the claim that all hardware is overpriced.
67. Affirm all words and signs.
68. Mindfuck each other to appropriate extent.
69. Take care of small animals.
70. Create and spiritualize the concept of "Snel hest."
71. Start and own a think-tank.

72. Deny magnetism.
73. Start a business school. Drop out.
74. Write press releases often.
75. Use IRC while in your underwear, and eat pizza.
76. Juggle with other people's balls.
77. Ensure that there is no conclusive evidence of Ikko giving monki advertising money by means of volada's helicopter.
78. Cause inflation and a global financial crisis.
79. Express yourself vaguely if anyone asks you, "How much is a bandwidth?"
80. Use "dynamic" to mean "completely out of control".
81. Never mention Hotmail, MSN, or Windows.
82. Have all project meetings on IRC.
83. Claim to receive around 1256 e-mails a day.
84. Force a prosecutor to draw up several thousand pages of drivel.
85. Above all abstract everything.
86. Have a liberal vision of hell.
87. Consider yourself overly qualified for top positions in American film and music industries.
88. Create the world's largest file-sharing service in a twinkling.
89. Attract international attention by accident.
90. Control the portal and opinion makers in all mediums.
91. Standardize and explain your way of doing things at all levels.
92. Have 3576 anonymous confessions on your hard drive. Including the authors' IP addresses and personal information.
93. Preserve the Internet.

94. Mention the Internet as a source in serious discussions.
95. Rarely mention reasons for your IT elitism.
96. Dismiss expressions like "from farm to table" as superstition.
97. Follow the yellow fellow.
98. Skip the last points of your 100 point list.
99. Establish social services as a parody of antisocial services.
100. Start from scratch.
101. Be careful of burning kittens.
102. Write a book, but start with the back cover.
103. Use parables in abundance, preferably about "butter" and "snow".
104. Stop using IRL. Use AFK instead.
105. Cultivate contacts within the powers of state intelligence services.
106. Always define "flat organization" arbitrarily, subjectively, and without common sense.
107. Upload.
108. Take over #g-d.
109. PROFIT.

## **/clear**

In the shadow of the culture industry's final crisis of the 20th-century, grows a larger portrait of the POwr, broccoli and Kopimi. The culture industry's complete failure is followed by the uncanny success of the dif-fused structure of an Internet elite, spread the world over. The book you're about to read has no author, no designer, no typesetter, no distribution channel.



Nevertheless, you have it in front of you. How did that happen?

Read the frightening instructions of a loosely coherent core of IT specialists grafted into an unsuspecting generation of youths, and how the group stole the eggs, dollars and jpegs in front of the powerless establishment and strong financial interests. Learn how servers, seeders, trackers, e-mail, company formation, foreign investors, Ikko's weekly allowance, scandalous advertisements, links and search services, infiltrated and destroyed an entire world that had nowhere to run, no one to consult, and no one to trust...

The machine, which operates under the radar frequency is unhindered from the Cambodian jungle to the gay neighborhoods of San Francisco, via the empty beaches of Tel-Aviv, and into the Internet of plain folks in Jönköping suburbs and Gothenburg harbor. It leaves no one unmoved and mangles everything in its path. Technically superior and physically independent it's constantly transforming, mutating and reappearing in new guises and under new codenames. With a stranglehold on its opponents it's completely untouched and even more - incomprehensible.

It has rightly been said that this is the first time Kopimi has freed the world and we can be sure that it's not the last.

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# The Cult of Done Manifesto

Dear Members of the Cult of Done,

I present to you a manifesto of done. This was written in collaboration with Kio Stark in 20 minutes because we only had 20 minutes to get it done.

## **The Cult of Done Manifesto**

1. There are three states of being. Not knowing, action and completion.
2. Accept that everything is a draft. It helps to get it done.
3. There is no editing stage.
4. Pretending you know what you're doing is almost the same as knowing what you are doing, so just accept that you know what you're doing even if you don't and do it.
5. Banish procrastination. If you wait more than a week to get an idea done, abandon it.
6. The point of being done is not to finish but to get other things done.
7. Once you're done you can throw it away.
8. Laugh at perfection. It's boring and keeps you from being done.
9. People without dirty hands are wrong. Doing something makes you right.
10. Failure counts as done. So do mistakes.
11. Destruction is a variant of done.
12. If you have an idea and publish it on the internet, that counts as a ghost of done.

13. Done is the engine of more.

---

Bre Pettis

March 3, 2009

# The WeRebuild Manifesto

Instructions on how to build a cluster like Were-build.eu and Telecomix.org.

Dear internauts,

We want to be copied because we believe that there is no limit to how many activist clusters there can be in the world. Below are some instructions on how we did it. Of course, there is a multitude of other ways to do it. We want to share our experiences. Thus, we publish this document. Copy!

- 
1. Throw a party with friends who share similar interests. Cook some food if you like, or buy some beer, it is up to what you prefer. Make sure you have internet connectivity and encourage people to bring laptops. Play music. Or, if you do not have a place to entertain, find a pub or internet café that you can meet in and bring your laptops too.
  2. Start an IRC-channel and spread all over the internet that this is the place where stuff happens. Use a cool network such as Freequest or Anonnet. Get an IRC shell and dive in. "Your home is where your shell is" (who said that?).
  3. Gather friends with various skills. You will need coders as well as philosophers, people who know politics and people who know Photoshop. Make sure your friends know also how to have fun, since otherwise you won't get anything done. Activism is not rocket science, so

just spread out skills. Think multiplicity rather than expertise!

4. Register sites with cool names, like Werebuild.eu and Telecomix.org. Make sure people can find you easily. Write with slogans.
5. Become friends with important people. Contact politicians, bureaucrats, presidents, corporations, other activists, hackers, artists, etc. Do not have principles for selecting beforehand whom you speak to. Flirt a lot, but never do anything you would regret. Build trust, and make sure you work together. Politicians will need your votes, corporations will need your consumption. Understand that you are important, but do not become too self-important. Do things like watch movies together to keep your feet on the ground.
6. Install Mediawiki, WordPress and use Etherpad. Also, fill your IRC-channel with bots. Share all data. Do not respect copyright! Do copy all floppies!
7. Throw more parties. Invent vocabularies. Speak like lolcats. Make music together, even if it sounds strange.
8. If you run into Internet trolls, troll back or make sure you kick them off your side of the internet. Or, be cooler than them, and make them join you (see, Troll them back). Do not let them make you sad.
9. Start new political campaigns often. Call them raids, operations, projects or any word of choice. Write instructions and tutorials. Make sure a total newbie can understand what you are going

to do. Synchronize your work. Countdown just like a space shuttle takeoff.

10. Get together a list of clear and simple talking points, in the event that you have to "present" on the fly. Make sure that you have a few easy-to-remember facts to back up your statements. Make t-shirts to spur conversations with random people on the streets. Rent an airplane with a banner behind it to get an entire city asking "Who/what was that?" Then station people on street corners to explain. Send people to the moon and spraypaint your URL on the surface.  
<3.
11. Install an artificial intelligence bot. Ours is called Cameron. Ask her lots of things. Quote Cameron in your conversations.
12. Translate stuff to other languages. Remember that the Internet does not care about nation states. You never know who will join you if you go interNETional. Stamp your internet visa [1] in your passport.
13. Statements are not only for stating things. Statements also makes things harder to forget. By sending out messages of events, activities and other tips you make them unforgettable and eternal. For instance, by making public reminders to people with power, you can change their agenda.
14. Even if you are fighting against horrible laws, even if your mission seems impossible to accomplish - do not be sad! Lulz are as important as change. Your goal can be serious even if you do it for the lulz. Remember to smile when you are

in the middle of a stormy campaign.

15. Just, never be sad in general. It's not very lolcat-like.
16. Create a GIANT twitter network. Whenever you tweet something, have people retweet it, and ask their friends to retweet it as well... tweets multiply like bunnies. Always strive for "deep tweets", i.e. make people retweet your message all over the world. Get in the habit of making your tweets very descriptive but concise, so people do not have to click a link to know if they are interested or not, they will be able to tell by what your tweet says.
17. Don't be obsessed with doing things "right". Instead of thinking too much, tinker instead. Proceed by way of experimentation, try things out. If they fail, make sure to laugh a little, then try a different way. Collect experiences in your wiki, learn from the mistakes. Share all knowledge freely with others.
18. Totally go for it fearlessly, while boldly sparking and nurturing collective bursts of supercharged play, inspired creative inventions and spontaneous depths of strategic fun. Do not be afraid to appear temporarily foolish. (!) Inspire the body-politic to incarnate creatively via totemized teleportation-flows of datalove.
19. Make logos and have them look cool. Remix the logos of old government agencies. Use fractal patterns. In general, be a cyber hippie. Create symbols to dive in the channels. Be esoteric about botnet raids. If the channel splits, stay in the other side for a little while.



20. Organize without a clear leadership or membership status. Have anyone joining your discussions be a part of your cluster. If they don't agree, they will leave soon anyway. Organize like a gang or a pack. Don't use pyramidal structures or formalized positions. Be nomadic in thought and associate yourself with many others.
21. If it is within your means, travel a lot. Talk to people where ever you go, and tell them about what you are doing. Tell them to join you if they like the idea, thus creating a network within your country/region of the world, perhaps even internationally.
22. Be open with everything you do, but affirm openness to the extent that you will spread esoteric rumors about your group.
23. Participate in mixed-reality video-streaming real-time of social-formations interconnected-at-a-distance-with netbound kinspersons. Visualize datalove formations and replications.
24. Make sure your overall goal is world domination. Just do not invade Russia during the winter.
25. Use Linux. Take Windows and Mac OS install CDs and use them as drink coasters. Or glue them to your ceiling shiney-side down, just to be cool.
26. Start your own news agency. Make news, provide it to everyone and make sure they spread virally on the internet.
27. Make communiques and fax them. Acknowledge that the telefax is the strongest communication media. Fax for lulz. Fax everything to everyone. Twice. When not faxing, make fax noises, just

to seem like you are faxing. Consider the morse code too. Start typing up all your documents on type-writers, then scanning them and putting the images online. Use antiquated forms of technology whenever you can, to be retro and ironic.

27b. ctrl + c

28. Join other activist groups. Invite them over and throw even more nice parties. Hospitality is imperative - your place is your friend's place! And there is always a sofa to sleep on, where ever you go. Cluster!
29. When invited to parliaments and governments, be self-confident. Remember, you are Internet, they are merely politicians and bureaucrats. Talk to them about tubes, trucks, jellyfishes and faxes, they will not understand anyway. You are from the future. Make sure you tell them that.
30. Don't forget Kopimi.
31. When hanging out offline, keep using IRC-nicknames.
32. Love your friends. Without them, everything fails. Make sure to send a lot of data love in between you.
33. Feel and articulate imagined methodologies of planetary-oceanic-network-mind as telepathic-love connectivities enabling dramatic positive social change in the everyday world. Dream with move to AT&Atlantis, the Telcel World or just to became a jellyfish, that you are anyways.
34. Learn new languages through twitter translation, translation bots in irc channels and by visiting activists in other countries. Say natti/buenas noches hallo/hej indistinctively. And remember

that Swedish girls is the grej!

35. Intertwine your projects and actions into the blogosphere. Find articles you do not like, then you write a critical reply and watch the comments accumulate. These comments will hopefully render more people writing about the issue at hand and it will be a good way to force concerned parties to create press releases or take back their statements. Do not underestimate the blogosphere.
36. Become friends with people in mainstream media. Invite them to your IRC-channel. They will be hooked in no time at all. If you manage to get governments and corporations into your everyday work, make sure you treat them nicely and work together with them. Get heads of state to join your etherpad editing sessions/IRC channels. Remind them you're the voters. However, if they betray you, make sure they know that the internet never forgets.
37. Listen to your Artificial Intelligence bot: "This is the dance floor; love is the structure of the overall agreement in the agreed text."

This document is was originally developed in our wiki. Feel free to add more instructions as we go along. Also, this document must be copied. You have already, by reading it, copied it to your computer's RAM. Do not hesitate to copy it once more by sending it to your local government, political party, social club, whatever...

on-how-to-build-a-cluster-like-werebuild-eu-and-telecomix-org/

# Glitch Studies Manifesto

1. The dominant, continuing search for a noise-less channel has been — and will always be — no more than a regrettable, ill-fated dogma. Acknowledge that although the constant search for complete transparency brings newer, 'better' media, every one of these improved techniques will always possess their own inherent fingerprints of imperfection.
2. Dispute the operating templates of creative practice; fight genres, interfaces and expectations! Refuse to stay locked into one medium or between contradictions like real vs. virtual, obsolete vs. up-to-date, open vs. proprietary or digital vs. analogue. Surf the vortex of technology, the in-between, the art of artifacts!
3. Get away from the established action scripts and join the avant-garde of the unknown. Become a nomad of noise artifacts! The static, linear notion of information-transmission can be interrupted on three occasions: during encoding-decoding (compression); feedback; or when a glitch (an unexpected break within the flow of technology) occurs. Noise artists must exploit these noise artifacts and explore the new opportunities they provide.
4. Employ bends and breaks as a metaphor for *différance*. Use the glitch as an exoskeleton for progress. Find catharsis in disintegration, ruptures and cracks; manipulate, bend and break any medium towards the point where it becomes something new; create glitch art.

5. Realize that the gospel of glitch art also reveals new standards implemented by corruption. Not all glitch art is progressive or something new. The popularization and cultivation of the avant-garde of mishaps has become predestined and unavoidable. Be aware of easily reproducible glitch effects, automated by softwares and plugins. What is now a glitch will become a fashion.
6. Force the audience to voyage the acousmatic videoscape. Create conceptually synaesthetic artworks, that exploit both visual and aural glitch (or other noise) artifacts at the same time. Employ these noise artifacts as a nebula that shrouds the technology and its inner workings and that will compel an audience to listen and watch more exhaustively.
7. Rejoice in the critical trans-media aesthetics of glitch artifacts. Utilize glitches to bring any medium in a critical state of hypertrophy, to (subsequently) criticize its inherent politics.
8. Employ Glitchspeak (as opposed to Newspeak) and study what is outside of knowledge. Glitch theory is what you can just get away with! Flow cannot be understood without interruption or function without glitching. This is why glitch studies is necessary.

Rosa Menkman

# Piracy Manifesto

News from a future newspaper: *“A man was stopped yesterday at the border of Italy and France, his computer was scanned and pirated material was found, mostly Adobe software and songs by Beatles. The man was arrested at the spot”*

From a poem to a drug, from an piece of software to a music record and from a film to a book, everything that's famous and profitable, owns much of its economic value to the manipulation of the Multitudes. People haven't asked to know what the Coca-Cola logo looks like, neither have they asked for the melody of "Like a Virgin". Education, Media and Propaganda teach all that the hard way; by either hammering it on our brains or by speculating over our thirst, our hunger, our need for communication and fun and most of all, over our loneliness and despair. In the days of Internet, what can be copied can be also shared. When it comes to content, we can give everything to everyone at once.

Around this realization, a new social class is awakening. This is not a working class but a class of Producers. Producers are pirates and hackers by default; they recycle the images, the sounds and the concepts of the World. Some of it they invent but most they borrow from others.

Because information occupies a physical part of our bodies, because it is literary "installed" on our brain and can't be erased at wish, people have the right to own what is projected on them: They have the right to own themselves! Because this is a global World based on inequality and profit, because the contents of a song, a movie or a book are points of advantage in

a vicious fight for survival, any global citizen has the moral right to appropriate a digital copy of a song, a movie or a book. Because software is an international language, the secrets of the World are now written in Adobe and Microsoft: we should try hack them. Finally, because poverty is the field of experimentation for all global medicine, no patents should apply.

Today, every man with a computer is a Producer and a Pirate. We all live in the Internet, this is our new country, the only territory that makes sense to defend and protect. The land of the Internet is one of information. Men should be able to use this land freely, corporations should pay for use - a company is definitely not a person.

Internet is now producing "Internets", situations that exist not only online but also in real space, governed by what is happening online. This is the time for the foundation of an global Movement of Piracy. The freedom of infringing copyright, the freedom of sharing information and drugs: these are our new "Commons". They are Global Rights and as such, Authorities will not allow them without a battle. But this will be a strange battle because this is the first time the Multitudes disrespect the Law instinctively and on a global scale.

Today, an army of teenagers is copying, the adults are copying and even the senior citizens, people from the Left and from the Right are copying. Everyone with a computer is copying something; like a novel Goddess Athena, Information wants to break free from the head of Technology and it assists us on our enterprise.

Pirates of the Internet Unite!



Miltos Manetas, 2009

## **Part III**

**2010 - 2015**

# The Dead Drops Manifesto

*Dead Drops* is an anonymous, offline, peer to peer file-sharing network in public space. Anyone can access a Dead Drop and everyone may install a Dead Drop in their neighborhood/city. A Dead Drop must be public accessible. A Dead Drop inside closed buildings or private places with limited or temporary access is not a Dead Drop. A real Dead Drop mounts as read and writeable mass storage drive without any custom software. Dead Drops don't need to be synced or connected to each other. Each Dead Drop is singular in its existence. A very beautiful Dead Drop shows only the metal sheath enclosed type-A USB plug and is cemented into walls. You would hardly notice it. Dead Drops don't need any cables or wireless technology. Your knees on the ground or a dirty jacket on the wall is what it takes share files offline. A Dead Drop is a naked piece of passively powered Universal Serial Bus technology embedded into the city, the only true public space. In an era of growing clouds and fancy new devices without access to local files we need to rethink the freedom and distribution of data. The *Dead Drops* movement is on its way for change!

Free your data to the public domain in cement! Make your own Dead Drop now! Un-cloud your files today!!!

Aram Bartholl, 2010

Source: <https://deaddrops.com/dead-drops/manifesto/>

# The Hardware Hacker Manifesto

My name is Cody and I'm a hardware hacker. It started at the age of five, taking apart a toy computer to figure out how it worked. I live for that thrill of discovery and rush of power that I feel when I figure out what makes something tick, then figure out how to bend it to my will. This has led to me hacking everything from game consoles to phones.

It used to be that this was what people did: if something was wrong with a device, it was acceptable to take it apart, figure out how it worked, and fix whatever was wrong with it. That's no longer the case; we're still there - in growing numbers, to boot - but what's changed is that it's no longer acceptable. As companies have made devices more and more locked down, making hardware hacking even more important than ever, there's a growing segment of the population that believes we're pirates. Who are we to modify these devices against the company's will?

It all comes down to one simple question: once you've purchased something, do you own it? While this may seem like a silly question, it's the entire crux of the argument for hardware hacking. If you believe that the purchaser owns the good, then they have the right to do with it what they want.

I exercise that right on a daily basis, whether with my jailbroken phone, my Wii running homebrew media player software, or - now - my hacked brain-computer interface. The last case is interesting, because it's the first time I've ever been called a pirate by a representative of the company producing the hardware I hacked:

Piracy is a vexed question but in its worst form it is still basically taking what someone has spent a lot of time and money on, and denying them some or all of the rewards for doing it. If the developer is being reasonable about it then it's tough to justify piracy. It costs a lot to get something developed and into the market, and next to nothing to copy or crack it. It discourages people from taking the risks in the first place, and we're all the poorer for the things that didn't get done because they would be too easy to steal.

In this case, I purchased a brain-computer interface outright, then proceeded to reverse-engineer it and release details of how to communicate with it. In the week since I released this, I've been called a selfish pirate more than I'd like to recall. All of this because I decided to exercise my right to use my hardware the way I want.

Why should we have to ask permission to use what we've spent our money on? Let's see an absurd extension of this logic: Why should Ford lose out on the rewards of building the car, when you don't go to an authorized service station to get your oil changed?

Let me make this crystal clear: once you sell me something, I will do whatever I want with it. Period. I'll take it apart, I'll patch it, I'll make it do things you never imagined, and I'll tell everyone who will listen exactly how to do the same. It's mine, and every device you've purchased is yours too; don't let anyone tell you otherwise.

I am a hardware hacker and this is my manifesto.  
We've always been here and we will always be here;  
you can fight to keep us out, but we'll fight even harder  
to get back in. I assure you we'll win.

Happy hacking,  
- Cody Brocious (Daeken)

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# The Bitcoin Manifesto

The Bitcoin Manifesto April 10, 2011, 04:56:35 PM #1  
From my friend Jaromil. I love this little speech:

hi Aharon,

On Thu, 07 Apr 2011, a...@aharonic.net wrote:

bitcoins - isn't this simply a distributed structure to do capitalism with?

That's not even the worst you can do with it. you can do money laundering, buy drugs online and sex toys, all anonymously. but that's not the point, because despite the coercion imposed by all kinds of regulatory systems so far, also current official monetary systems are full of that shit, on top of the capitalist pie.

Emerging technologies should never be judged by the sensationally bad taste of early adopters. it's like being concerned about the shit that fertilizes some beautiful flowers, wasting their seeds.

What really bitcoin is, I finally understood on the 6 april (which somehow always ends up being a magic day, eh!): this is now the end of the *flow capitalism*, which consists of the monopoly on transactions, the hegemony of banks on the movement of values and not just their storage, this middle-man mafia strangling the world as we speak.

How right are now those South American countries asking the "taxation of transactions", an argument refrained in many speeches of the companeros. They studied the system and understood that there is a crucial problem there, that needs to be solved urgently.

Yet i'd argue here taxation on transaction cannot be the solution. The solution is to eliminate the flow capitalists.

If i want to give you money i'll give it to *you*. me and you, period. its fine that we'll pay our taxes for our communities, don't get me wrong this is not a tea bagger argument. its just not right that all what we do is in the hands of a third party, that has been caught cheating already many times: look at what happened at the paypal accounts of the Iraqi linux user group back in 2004, or even more recently to Wikileaks.

We don't need those fat cheaters to be in between our value transactions anymore; the flow capital has played its disgusting role in the little laps of history for which it has been needed, now sadly these people won't give up what they have accumulated, so it makes more sense to leave them alone and multiply more monetary systems that work efficiently across diverse networks and that rely on the neutrality of a cryptographic authentication.

the death of the flow capital is a new stage for the necrotization of capitalism.

ciao

Source: <https://bitcointalk.org/index.php?topic=5671.0>



# The Critical Engineering Manifesto

0. The Critical Engineer considers Engineering to be the most transformative language of our time, shaping the way we move, communicate and think. It is the work of the Critical Engineer to study and exploit this language, exposing its influence.
1. The Critical Engineer considers any technology depended upon to be both a challenge and a threat. The greater the dependence on a technology the greater the need to study and expose its inner workings, regardless of ownership or legal provision.
2. The Critical Engineer raises awareness that with each technological advance our techno-political literacy is challenged.
3. The Critical Engineer deconstructs and incites suspicion of rich user experiences.
4. The Critical Engineer looks beyond the "awe of implementation" to determine methods of influence and their specific effects.
5. The Critical Engineer recognises that each work of engineering engineers its user, proportional to that user's dependency upon it.
6. The Critical Engineer expands "machine" to describe interrelationships encompassing devices, bodies, agents, forces and networks.

7. The Critical Engineer observes the space between the production and consumption of technology. Acting rapidly to changes in this space, the Critical Engineer serves to expose moments of imbalance and deception.
8. The Critical Engineer looks to the history of art, architecture, activism, philosophy and invention and finds exemplary works of Critical Engineering. Strategies, ideas and agendas from these disciplines will be adopted, re-purposed and deployed.
9. The Critical Engineer notes that written code expands into social and psychological realms, regulating behaviour between people and the machines they interact with. By understanding this, the Critical Engineer seeks to reconstruct user-constraints and social action through means of digital excavation.
10. The Critical Engineer considers the exploit to be the most desirable form of exposure.

The Critical Engineering Working Group

Julian Oliver

Gordan Savičić

Danja Vasiliev

Berlin, October 2011-2014

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# We, the Web Kids

Piotr Czernski (translated by Marta Szreder)

There is probably no other word that would be as overused in the media discourse as 'generation'. I once tried to count the 'generations' that have been proclaimed in the past ten years, since the well-known article about the so-called 'Generation Nothing'; I believe there were as many as twelve. They all had one thing in common: they only existed on paper. Reality never provided us with a single tangible, meaningful, unforgettable impulse, the common experience of which would forever distinguish us from the previous generations. We had been looking for it, but instead the groundbreaking change came unnoticed, along with cable TV, mobile phones, and, most of all, Internet access. It is only today that we can fully comprehend how much has changed during the past fifteen years.

We, the Web kids; we, who have grown up with the Internet and on the Internet, are a generation who meet the criteria for the term in a somewhat subversive way. We did not experience an impulse from reality, but rather a metamorphosis of the reality itself. What unites us is not a common, limited cultural context, but the belief that the context is self-defined and an effect of free choice.

Writing this, I am aware that I am abusing the pronoun 'we', as our 'we' is fluctuating, discontinuous, blurred, according to old categories: temporary. When I say 'we', it means 'many of us' or 'some of us'. When I say 'we are', it means 'we often are'. I say 'we' only so as to be able to talk about us at all.

## 1.

We grew up with the Internet and on the Internet. This is what makes us different; this is what makes the crucial, although surprising from your point of view, difference: we do not 'surf' and the internet to us is not a 'place' or 'virtual space'. The Internet to us is not something external to reality but a part of it: an invisible yet constantly present layer intertwined with the physical environment. We do not use the Internet, we live on the Internet and along it. If we were to tell our bildungsroman to you, the analog, we could say there was a natural Internet aspect to every single experience that has shaped us. We made friends and enemies online, we prepared cribs for tests online, we planned parties and studying sessions online, we fell in love and broke up online. The Web to us is not a technology which we had to learn and which we managed to get a grip of. The Web is a process, happening continuously and continuously transforming before our eyes; with us and through us. Technologies appear and then dissolve in the peripheries, websites are built, they bloom and then pass away, but the Web continues, because we are the Web; we, communicating with one another in a way that comes naturally to us, more intense and more efficient than ever before in the history of mankind.

Brought up on the Web we think differently. The ability to find information is to us something as basic, as the ability to find a railway station or a post office in an unknown city is to you. When we want to know something - the first symptoms of chickenpox, the reasons behind the sinking of 'Estonia', or whether the

water bill is not suspiciously high - we take measures with the certainty of a driver in a SatNav-equipped car. We know that we are going to find the information we need in a lot of places, we know how to get to those places, we know how to assess their credibility. We have learned to accept that instead of one answer we find many different ones, and out of these we can abstract the most likely version, disregarding the ones which do not seem credible. We select, we filter, we remember, and we are ready to swap the learned information for a new, better one, when it comes along.

To us, the Web is a sort of shared external memory. We do not have to remember unnecessary details: dates, sums, formulas, clauses, street names, detailed definitions. It is enough for us to have an abstract, the essence that is needed to process the information and relate it to others. Should we need the details, we can look them up within seconds. Similarly, we do not have to be experts in everything, because we know where to find people who specialise in what we ourselves do not know, and whom we can trust. People who will share their expertise with us not for profit, but because of our shared belief that information exists in motion, that it wants to be free, that we all benefit from the exchange of information. Every day: studying, working, solving everyday issues, pursuing interests. We know how to compete and we like to do it, but our competition, our desire to be different, is built on knowledge, on the ability to interpret and process information, and not on monopolising it.

## 2.

Participating in cultural life is not something out of ordinary to us: global culture is the fundamental building block of our identity, more important for defining ourselves than traditions, historical narratives, social status, ancestry, or even the language that we use. From the ocean of cultural events we pick the ones that suit us the most; we interact with them, we review them, we save our reviews on websites created for that purpose, which also give us suggestions of other albums, films or games that we might like. Some films, series or videos we watch together with colleagues or with friends from around the world; our appreciation of some is only shared by a small group of people that perhaps we will never meet face to face. This is why we feel that culture is becoming simultaneously global and individual. This is why we need free access to it.

This does not mean that we demand that all products of culture be available to us without charge, although when we create something, we usually just give it back for circulation. We understand that, despite the increasing accessibility of technologies which make the quality of movie or sound files so far reserved for professionals available to everyone, creativity requires effort and investment. We are prepared to pay, but the giant commission that distributors ask for seems to us to be obviously overestimated. Why should we pay for the distribution of information that can be easily and perfectly copied without any loss of the original quality? If we are only getting the information alone, we want the price to be proportional to it. We are willing to pay more, but then we expect to receive some

added value: an interesting packaging, a gadget, a higher quality, the option of watching here and now, without waiting for the file to download. We are capable of showing appreciation and we do want to reward the artist (since money stopped being paper notes and became a string of numbers on the screen, paying has become a somewhat symbolic act of exchange that is supposed to benefit both parties), but the sales goals of corporations are of no interest to us whatsoever. It is not our fault that their business has ceased to make sense in its traditional form, and that instead of accepting the challenge and trying to reach us with something more than we can get for free they have decided to defend their obsolete ways.

One more thing: we do not want to pay for our memories. The films that remind us of our childhood, the music that accompanied us ten years ago: in the external memory network these are simply memories. Remembering them, exchanging them, and developing them is to us something as natural as the memory of 'Casablanca' is to you. We find online the films that we watched as children and we show them to our children, just as you told us the story about the Little Red Riding Hood or Goldilocks. Can you imagine that someone could accuse you of breaking the law in this way? We cannot, either.

### 3.

We are used to our bills being paid automatically, as long as our account balance allows for it; we know that

starting a bank account or changing the mobile network is just the question of filling in a single form online and signing an agreement delivered by a courier; that even a trip to the other side of Europe with a short sightseeing of another city on the way can be organised in two hours. Consequently, being the users of the state, we are increasingly annoyed by its archaic interface. We do not understand why tax act takes several forms to complete, the main of which has more than a hundred questions. We do not understand why we are required to formally confirm moving out of one permanent address to move in to another, as if councils could not communicate with each other without our intervention (not to mention that the necessity to have a permanent address is itself absurd enough.)

There is not a trace in us of that humble acceptance displayed by our parents, who were convinced that administrative issues were of utmost importance and who considered interaction with the state as something to be celebrated. We do not feel that respect, rooted in the distance between the lonely citizen and the majestic heights where the ruling class reside, barely visible through the clouds. Our view of the social structure is different from yours: society is a network, not a hierarchy. We are used to being able to start a dialogue with anyone, be it a professor or a pop star, and we do not need any special qualifications related to social status. The success of the interaction depends solely on whether the content of our message will be regarded as important and worthy of reply. And if, thanks to cooperation, continuous dispute, defending our arguments against critique, we have a feeling that our opinions on many matters are simply better, why would we



not expect a serious dialogue with the government?

We do not feel a religious respect for 'institutions of democracy' in their current form, we do not believe in their axiomatic role, as do those who see 'institutions of democracy' as a monument for and by themselves. We do not need monuments. We need a system that will live up to our expectations, a system that is transparent and proficient. And we have learned that change is possible: that every uncomfortable system can be replaced and is replaced by a new one, one that is more efficient, better suited to our needs, giving more opportunities.

What we value the most is freedom: freedom of speech, freedom of access to information and to culture. We feel that it is thanks to freedom that the Web is what it is, and that it is our duty to protect that freedom. We owe that to next generations, just as much as we owe to protect the environment.

Perhaps we have not yet given it a name, perhaps we are not yet fully aware of it, but I guess what we want is real, genuine democracy. Democracy that, perhaps, is more than is dreamt of in your journalism.

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Contact the author: [piotr\[at\]czerski.art.pl](mailto:piotr[at]czerski.art.pl)

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Sources:

<http://pastebin.com/0xXV8k7k>

by: Czerski, on Feb 15TH, 2012

<http://www.theatlantic.com/technology/archive/2012/02/we-the-web-kids/253382/>

posted by Alexis C. Madrigal, Feb 21 2012

# Iterative Book Development Manifesto

by Adam Hyde, June 26-27 2012

ok..so i have too much time in my hands...i was pondering the things we do in FLOSS Manuals in abstract and thought we could almost come up kind of short (shudder) manifesto for the kinds of methods we use for book production. I was trying to capture something that could encompass all the activities from Book Sprints to rolling manual development to remote update sprints etc etc etc

so... here it is:

## **Iterative Book Development (IBD) Manifesto:**

We value:

1. **Collaboration and facilitation** over 'editors' and 'authors'
2. **Engaged discourse** over isolation
3. **Completed chunks** over incomplete volumes
4. **Here and now production** over sometime soon production
5. **Meaningful credit** for all contributors

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Sources:

- <http://lists.flossmanuals.net/pipermail/discuss-flossmanuals.net/2012-June/007446.html>
- <http://lists.flossmanuals.net/pipermail/discuss-flossmanuals.net/2012-June/007465.html>
- <http://blog.booki.cc/2012/06/iterative-book-development-manifesto/>
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# A CryptoParty Manifesto

"Man is least himself when he talks in his own person. Give him a mask, and he will tell you the truth." - Oscar Wilde

In 1996, John Perry Barlow, co-founder of the Electronic Frontier Foundation (EFF, <https://www.eff.org/>), wrote 'A Declaration of the Independence of Cyberspace'. It includes the following passage:

Cyberspace consists of transactions, relationships, and thought itself, arrayed like a standing wave in the web of our communications. Ours is a world that is both everywhere and nowhere, but it is not where bodies live.

We are creating a world that all may enter without privilege or prejudice accorded by race, economic power, military force, or station of birth.

We are creating a world where anyone, anywhere may express his or her beliefs, no matter how singular, without fear of being coerced into silence or conformity.

Sixteen years later, and the Internet has changed the way we live our lives. It has given us the combined knowledge of humankind at our fingertips. We can form new relationships and share our thoughts and lives with friends worldwide. We can organise, communicate and collaborate in ways never thought possible.

This is the world we want to hand down to our children, a world with a free internet.

Unfortunately, not all of John Perry Barlow's vision has come to pass. Without access to online anonymity, we can not be free from privilege or prejudice. Without privacy, free expression is not possible.

The problems we face in the 21st Century require all of humanity to work together. The issues we face are serious: climate change, energy crises, state censorship, mass surveillance and on-going wars. We must be free to communicate and associate without fear. We need to support free and open source projects which aim to increase the commons' knowledge of technologies that we all depend on. [Contribute!]

To realise our right to privacy and anonymity online, we need peer-reviewed, crowd-sourced solutions. CryptoParties provide the opportunity to meet up and learn how to use these solutions to give us all the means with which to assert our right to privacy and anonymity online.

- We are all users, we fight for the user and we strive to empower the user. We assert user requests are the reason why computers exist. We trust in the collective wisdom of human beings, over the interest of software vendors, corporations or governments. We refuse the shackles of digital Gulags, lorded over by vassal interests of governments and corporations. We are the CypherPunk Revolutionaries.
- The right to personal anonymity, pseudonymity and privacy is a basic human right. These rights

include life, liberty, dignity, security, right to a family, and the right to live without fear or intimidation. No government, organisation or individual should prevent people from accessing the technology which underscores these basic human rights.

- Privacy is the absolute right of the individual. Transparency is a requirement of governments and corporations who act in the name of the people.
- The individual alone owns the right to their identity. Only the individual may choose what they share. Coercive attempts to gain access to personal information without explicit consent is a breach of human rights.
- All people are entitled to cryptography and the human rights crypto tools afford, regardless of race, colour, sex, language, religion, political or other opinion, national or social origin, property, birth, political, jurisdictional or international status of the country or territory in which a person resides.
- Just as governments should exist only to serve their citizens - so too, cryptography should belong to the people. Technology should not be locked away from the people.
- Surveillance cannot be separated from censorship, and the slavery it entails. No machine shall be held in servitude to surveillance and censorship. Crypto is a key to our collective freedom.
- Code is speech: code is human created language. To ban, censor or lock cryptography away from the people is to deprive human be-

ings from a human right, the freedom of speech.

Those who would seek to stop the spread of cryptography are akin to the XV century clergy seeking to ban the printing press, afraid their monopoly on knowledge will be undermined.

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About:

This book was written in the first 3 days of October 2012 at Studio Weise7, Berlin, surrounded by fine food and a lake of coffee amidst a veritable snake pit of cables. Approximately 20 people were involved in its creation, some more than others, some local and some far (Melbourne in particular).

The Book Sprint was 3 days in length and the full list of onsite participants included: Adam Hyde (facilitator), Marta Peirano, Julian Oliver, Danja Vasiliev, Asher Wolf, Jan Gerber, Malte Dik, Brian Newbold, Brendan Howell, AT, Carola Hesse, Chris Pinchen, .. with cover art (illustrations to come) by Emile Denichaud.

Sources: <http://www.ucl.ac.uk/slade/know/2969>



# user data manifesto

defining basic rights for people to control their own data in the internet age

1. Own the data

The data that someone directly or indirectly creates belongs to the person who created it.

2. Know where the data is stored

Everybody should be able to know: where their personal data is physically stored, how long, on which server, in what country, and what laws apply.

3. Choose the storage location

Everybody should always be able to migrate their personal data to a different provider, server or their own machine at any time without being locked in to a specific vendor.

4. Control access

Everybody should be able to know, choose and control who has access to their own data to see or modify it.

5. Choose the conditions

If someone chooses to share their own data, then the owner of the data selects the sharing license and conditions.

6. Invulnerability of data

Everybody should be able to protect their own data against surveillance and to federate their own data for backups to prevent data loss or for any other reason.

7. Use it optimally

Everybody should be able to access and use their own data at all times with any device they choose and in the most convenient and easiest way for them.

8. Server software transparency

Server software should be free and open source software so that the source code of the software can be inspected to confirm that it works as specified.

Source: <https://github.com/hugoroy/user-data-manifesto/blob/master/original.md>

# The European Pirate Party Manifesto

## Preamble

We, the European Pirates, want society to welcome and adjust to the digital revolution:

We identify the digital revolution as a moment of total renewal of human societies; we recognise therefore as one of our primary goals the defence of the Internet as a common good and a public utility.

We want a society based on the following manifesto:

## Civil Rights

Human dignity is inviolable. Everybody has the right to life, liberty, security of person, freedom of thought, self-determination and participate in society.

We, the European Pirates, support the highest standard for civil rights in the European Union. The rights of free association, freedom of movement and free assembly in public, freedom of opinion, expression, and free access to information are all essential. Whistle-blowers should be protected by law and not subject to legal action.

We strongly believe that all people have the right to fair and equal treatment. As everybody belongs to a minority, it is essential that society respect the rights of minorities.

The Privacy of the individual should be valued at all times and protected from being exploited by public and economic actors.

## **Citizen participation and Open Government**

Power resides with the people. Their rights and their dignity stand above all else.

We, the European Pirates, strive to create opportunities for democratic participation and to promote their widespread use, because only democracy can ensure an equitable balancing of Europeans' diverse interests. Public authorities should be encouraged to put forward participatory and collaborative tools that allow citizens to actively propose policies and make decisions.

## **Transparency**

Transparency and Accountability for public institutions are the counterpart of good data protection regulation to protect Privacy. We, the European Pirates, want clear transparency in common affairs and good privacy for individuals. Public authorities should be required to regularly publish organisational and task descriptions, including catalogues of all administrative records.

Everybody has the right to access documents and proceedings on all levels of government and the information available to the respective public authorities. The respect of this right shall be controlled by a strictly independent organ.

## **Copyright reform**

We, the European Pirates, want a fair and balanced copyright law based on the interests of society as a whole.

We therefore demand that copying, providing access to, storing and using literary and artistic production for non-commercial purposes must not just be legalised, but protected by law and actively promoted to improve the public availability of information, knowledge and culture, because this is a prerequisite for the social, technological and economic development of our society. Everyone shall be able to enjoy and share our cultural heritage free from the threat of legal action or censorship.

The commercial monopoly given by copyright should be restored to a reasonable term. Derivative works shall always be permitted, with exceptions which are very specifically enumerated in law with minimal room for interpretation.

## **Patent system reform**

Patents are government-backed monopolies which are obstacles in a free market and increasingly hinder, instead of help, innovation. Patents should definitely never be given for things that are trivial, non-substantial, computer programs, business models, or anything unethical.

In the long term, an alternative system to support innovation must be developed to replace patents and ensure that the results of research come to the benefit of society.

## **Open Access and Open Data**

The results of any research carried out with public funds, completely or in part, must be published in open access scientific journals or by other means which make them readily accessible to the general population.

All data created for public use or with the use of public money, regardless of origin, should be freely available to the general public, as long as personal details are not revealed without the consent of the concerned individuals. It shall be made available in an appropriate form, which shall also include a form for data processing. Access must not be limited by application procedures, licenses, fees or technical means.

## **Net Neutrality**

Everybody should have unencumbered access to the internet and other public information and communication networks and have the possibility to protect all data transfer with good privacy. To ensure this we, the European Pirates, advocate for a discrimination-free Internet, which does not permit operators, governments and other bodies to either block or prioritise certain kinds of applications, services or contents nor limits the access depending on the location of sender or receiver.

## **Free software and Libre Culture**

We, the European Pirates, support the promotion of software that can be used, analysed, disseminated and changed by everyone. This so-called free and libre open source software is essential for users' control of their own technical systems and provides a significant contribution to strengthening the autonomy and privacy of all users.

Free culture is an important resource for the education and creativity of society. We strive to promote artistic activity and cultural diversity to ensure a rich educational and artistic environment for our and future generations.

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## Notes:

The Manifesto of the European Pirate Party (PPEU) was finalized during a workshop at the conference of PPEU held on 27-28 July 2013 in Warsaw, Poland. The Conference of PPEU in Warsaw, as part of the establishment of the European Pirate Party, was the last of the Conferences that started after the Declaration of Prague nearly one and half year ago. The work has taken place in several other conferences (Barcelona, Manchester, Paris), meetings (Aarau, Potsdam, Rome, Zagreb, Kiev) and countless online meetings.

## Sources:

- <http://piratetimes.net/here-comes-the-european-pirate-party/> - August 18, 2013
- <http://ppeu.net/wiki/doku.php?id=statutes:manifesto> - Last modified: 2013/09/03



# Bill Of Computer Users Rights

We, Computer Users, demand the right to ...

- UNDO
- Securely delete my history
- have an "export" function
- use free software on your own computer
- ignore updates
- See the URL from which content is displayed
- own data
- logout
- Pause media indefinitely and be able to resume where I left off
- see the computer
- buy and install software outside 'app stores'
- true anonymity
- know whether my hardware will run free software
- read source code
- know explicitly what information is being retained due to my interaction - with your service/website/network/whatever
- choose none of the above
- a real keyboard (aka "hardkeys")
- participate in society without having to use a particular software, - device or corporate web site.
- symmetrical access
- actually delete my account
- disconnect
- Access the file system and organize my data.
- not be forced to use a app

- copy & paste
- be the (prime) beneficiary of whatever is created from our 'cognitive surplus'
- have all data saved in clear text files
- remove or reassemble all parts of hardware
- have 6 months+ to grab my files before a hosting service shuts down
- Have full control over the computing that my computer does
- install applications outside of 'AppStores'
- be un-Googable
- a web browser
- have more privacy in social networks
- Knowledge of how the data is stored
- not have my system "made obsolete"
- not be interrupted by a program
- have the possibility to make everything useable without internet connection
- switch off wireless and use a cable instead
- peer-to-peer networks
- edit app permissions in android settings
- use my music as a ringtone
- deep link
- be certain in what country the server I'm connecting to is
- have a button labelled "take off from cloud"
- view the entire history of my online interaction
- Install an operating system of my choice on a computer/phone/tablet/device
- choose a platform
- Control over user data access
- my data not being converted
- make screen shots.

- pull
- view offline
- bequeath my social network account
- add manually
- be able to turn off the time stamp in Facebook
- rename browser tabs
- have every OS and mobile device compatible with each other
- get revenue
- disagree
- contest the algorithm
- show filetypes
- not synchronise
- negotiate terms & conditions
- limit my content's virality
- login
- Hiding my Gender
- exclude myself from experiments
- see acceptable ads
- customize colour schemes
- personalize
- simplification
- eat kernels
- not be spied upon by my device
- hardware inter-compatibility
- DDOS!
- reply-all
- not be a user
- Control+Alt+Delete
- set my own level of error correction!
- have Ted Nelsons transclusion instead of copy&paste
- ruin Internet Explorer. Forever.

- abuse
- convert any data for any device
- plug off
- idempotent requests without legal repercussions
- actively distinguish between contributing to the public record and engaging in heresay

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A year ago, in *Turing Complete User*, I wrote that the development of the Invisible Computer results in the creation of an Invisible User. We need to keep both the term and the idea of the User alive, to insure that users — those who use a system they haven't developed — don't lose either their rights or the opportunity to protect them. In the article I only briefly mention what these users rights could be.

Now I'd like to invite computer users to elaborate and suggest points (long or short) that should be included in a Bill Of Computer Users Rights. Please participate! At the moment we need to collect varying opinions. Don't think that it's only about big issues like free software or data privacy. Demand to have a back button, if its absence infringes upon your rights as a computer user!

olia lialina, 2013-10-04

designed & programmed by Dragan Espenschied

# A Manifesto for the Truth

By Edward Snowden

In a very short time, the world has learned much about unaccountable secret agencies and about sometimes illegal surveillance programs. Sometimes the agencies even deliberately try to hide their surveillance of high officials or the public. While the NSA and GCHQ seem to be the worst offenders - this is what the currently available documents suggest - we must not forget that mass surveillance is a global problem in need of global solutions.

Such programs are not only a threat to privacy, they also threaten freedom of speech and open societies. The existence of spy technology should not determine policy. We have a moral duty to ensure that our laws and values limit monitoring programs and protect human rights.

Society can only understand and control these problems through an open, respectful and informed debate. At first, some governments feeling embarrassed by the revelations of mass surveillance initiated an unprecedented campaign of persecution to suppress this debate. They intimidated journalists and criminalized publishing the truth. At this point, the public was not yet able to evaluate the benefits of the revelations. They relied on their governments to decide correctly.

Today we know that this was a mistake and that such action does not serve the public interest. The debate which they wanted to prevent will now take place in countries around the world. And instead of doing harm, the societal benefits of this new public knowledge is now clear, since reforms are now proposed in

the form of increased oversight and new legislation.

Citizens have to fight suppression of information on matters of vital public importance. To tell the truth is not a crime.

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This text was written by Edward Snowden on November 1, 2013 in Moscow. It was sent to SPIEGEL staff over an encrypted channel.

This article by Edward Snowden was published 11/03/2013, in Der Spiegel. Translated by Martin Eriksson (meriksson.net)

Source: <http://www.informationclearinghouse.info/article36733.htm>

# the cybertwee manifesto

the singularity is dear.

far too long have we succum to bitter edge of the idea that power is lost in the sweet and tender.

romantic is not weak. feminine is not weak. cute is not weak. we are fragmented and multifaceted bbs.

lack of emotion is oft favored because success is defined as the ability to be mechanical and efficient but sentimentality, empathy, and being too soft should not be seen as weaknesses.

we see the limitations of corporeality, as solipsists, we know that the body is the original prosthesis for operating in this universe. we know the body illusory, we curate our candy our sucre sickly sweet is intentional.

our nectar is not just a lure  
or a trap for passing flies  
but a self indulgent intrapersonal biofeedback mechanism spelled in emoji and gentle selfies.

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source: cybertwee.net / <https://youtu.be/xMdiSUlpg50>  
date: October 2014

cybertwee is an arts collective co-founded in 2014 by artists gabriella hileman, violet forest, and may waver

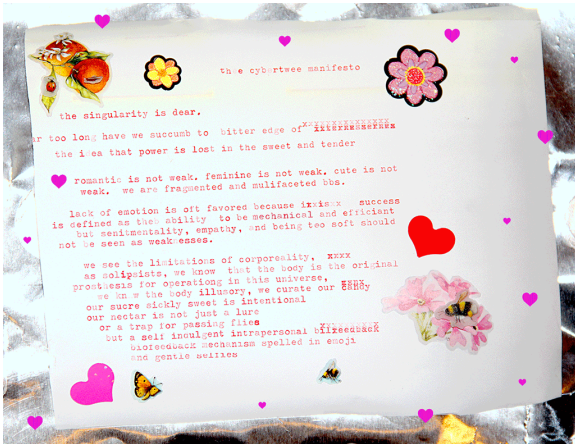


Figure 2: the cybertwee manifesto



# Balconism

A new "-ism" calls for sovereign expression in the 21st century, acronyms, typos, leetspeak, and kaomoji included.

We are all outside on teh balcony now. Standing on a platform made out of a tweet into corporate versions of public space. We are not stored in a cloud, opaque or translucent to whomever. We publish, we get read. ok. Private publishing does not exist, we now know we always get read (hi). To select what we want to have read, and by whom, is our greatest challenge rly. For now and teh future. If you tolerate this, your children will be normalized. Outside, on the street, status updates in the air, checking into another spatial analogy of information exchange. Sometimes hard to reach, through tutorials, encryptions and principles. It is generous to be outdoors, watched by a thousand eyes recording us for the future, our actions to be interpreted as an office job. We need a private veranda above ground, a place for a breath of fresh air, out of sight for the casual onlooker, but great for public announcements. The balcony is both public and private, online and offline. It is a space and a movement at the same time. You can be seen or remain unnoticed, inside and outside. Slippers are ok on the balcony. Freedom through encryption, rather than openness. The most important thing is: you must choose to be seen. We are already seen and recorded on the streets and in trains, in emailz, chatz, supermarketz and restaurantz, without a choice. Remaining unseen, by making a clearer choice where to be seen. We are in the brave new now, get ready to choose your balcony, to escape the warm enclosure of the social web,

to address, to talk to the people outside your algorithm bubble. U will not get arrested on the balcony, you and yours should have the right to anonymity on the balcony, although this might seem technically complicated. The balcony is a gallery, balustrade, porch and stoop. The balcony is part of the Ecuadorian embassy. Itz masturbating on the balcony when your local dictator passes by. AFK, IRL, BRB and TTYS. The balcony is the Piratebay memo announcing they will keep up their services by way of drones, or just Piratbyran completely. Publishing in a 403, publishing inside the referring link, and as error on a server. Balconism is IRC, TOR and OTR. Bal-Kony 2012. Balcony is Speedshows, online performances, Telecomix, Anonymous, Occupy and maybe even Google automated cars (def. not glass tho btw). Balconization, not Balkanization. The balcony-scene creates community rather than commodity. Nothing is to be taken seriously. Every win fails eventually. Proud of web culture, and what was built with pun, fun, wires, solder, thoughts and visions of equality. Nothing is sacred on the b4lconi. It is lit by screens, fueled by open networks, and strengthened by retweetz. On the balcony the ambitions are high, identities can be copied, and reality manipulated. Hope is given and inspiration created, initiative promoted and development developed. Know your meme, and meme what you know. I can haz balcony. Balconism is a soapbox in the park. The balcony is connected: stand on a balcony and you will see others. The balcony is connecting: you do not have to be afraid on the balcony, we are behind you, we are the masses, you can feel the warmth from the inside, breathing down your neck. Where privacy ceases to feel private, try to make

it private. Choose your audience, demand to know to whom you speak if not in public, or know when you are talking to an algorithm. When you can, stay anonymous out of principle, and fun. And when you are in public, understand in which context and at what time you will and could be seen. Speak out on the balcony, free from the storefront, free from the single white space, but leaning into people's offices, bedrooms and coffee tables, leaning into virtually everywhere. On the balcony, contemporary art reclaims its communicative sovereignty through constant reminders of a freedom once had on the internet. Orz to the open internet builders and warriors. Learn how to do, then challenge how it is done. Encrypt. Encrypt well and beautifully. Art with too much theory is called Auditorium, and kitsch is called Living Room. Inspired by home-brew technologies and open network communications, create art in the spirit of the internet, resisting territories, be it institutional and commercial art hierarchies or commercial information hierarchies. The internet is every medium. Head from the information super highway to the balcony that is everywhere through the right VPN. The pool is always closed.

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Constant Dullaart, 2014

# New Clues

by David Weinberger and Doc Searls

Hear, O Internet.

It has been sixteen years since our previous communication.

In that time the People of the Internet — you and me and all our friends of friends of friends, unto the last Kevin Bacon — have made the Internet an awesome place, filled with wonders and portents.

From the serious to the lolworthy to the wtf, we have up-ended titans, created heroes, and changed the most basic assumptions about How Things Work and Who We Are.

But now all the good work we've done together faces mortal dangers.

When we first came before you, it was to warn of the threat posed by those who did not understand that they did not understand the Internet.

These are The Fools, the businesses that have merely adopted the trappings of the Internet.

Now two more hordes threaten all that we have built for one another.

The Marauders understand the Internet all too well. They view it as theirs to plunder, extracting our data and money from it, thinking that we are the fools.

But most dangerous of all is the third horde: Us.

A horde is an undifferentiated mass of people. But the glory of the Internet is that it lets us connect as diverse and distinct individuals.

We all like mass entertainment. Heck, TV's gotten pretty great these days, and the Net lets us watch it when we want. Terrific.

But we need to remember that delivering mass media is the least of the Net's powers.

The Net's super-power is connection without permission. Its almighty power is that we can make of it whatever we want.

It is therefore not time to lean back and consume the oh-so-tasty junk food created by Fools and Marauders as if our work were done. It is time to breathe in the fire of the Net and transform every institution that would play us for a patsy.

An organ-by-organ body snatch of the Internet is already well underway. Make no mistake: with a stroke of a pen, a covert handshake, or by allowing memes to drown out the cries of the afflicted we can lose the Internet we love.

We come to you from the years of the Web's beginning. We have grown old together on the Internet. Time is short.

We, the People of the Internet, need to remember the glory of its revelation so that we reclaim it now in the name of what it truly is.

Doc Searls  
David Weinberger  
January 8, 2015

## **Once were we young in the Garden...**

### **a. The Internet is us, connected.**

1. The Internet is not made of copper wire, glass fiber, radio waves, or even tubes.
2. The devices we use to connect to the Internet are not the Internet.
3. Verizon, Comcast, AT&T, Deutsche Telekom, and □□□□ do not own the Internet. Facebook, Google, and Amazon are not the Net's monarchs, nor yet are their minions or algorithms. Not the governments of the Earth nor their Trade Associations have the consent of the networked to bestride the Net as sovereigns.
4. We hold the Internet in common and as un-owned.
5. From us and from what we have built on it does the Internet derive all its value.
6. The Net is of us, by us, and for us.
7. The Internet is ours.

### **b. The Internet is nothing and has no purpose.**

8. The Internet is not a thing any more than gravity is a thing. Both pull us together.
9. The Internet is no-thing at all. At its base the Internet is a set of agreements, which the geeky among us (long may their names be hallowed)

call "protocols," but which we might, in the temper of the day, call "commandments."

10. The first among these is: Thy network shall move all packets closer to their destinations without favor or delay based on origin, source, content, or intent.
11. Thus does this First Commandment lay open the Internet to every idea, application, business, quest, vice, and whatever.
12. There has not been a tool with such a general purpose since language.
13. This means the Internet is not for anything in particular. Not for social networking, not for documents, not for advertising, not for business, not for education, not for porn, not for anything. It is specifically designed for everything.
14. Optimizing the Internet for one purpose de-optimizes it for all others
15. The Internet like gravity is indiscriminate in its attraction. It pulls us all together, the virtuous and the wicked alike.

### **c. The Net is not content.**

16. There is great content on the Internet. But holy mother of cheeses, the Internet is not made out of content.
17. A teenager's first poem, the blissful release of a long-kept secret, a fine sketch drawn by a palsied hand, a blog post in a regime that hates the sound of its people's voices — none of these people sat down to write content.

18. Did we use the word “content” without quotes?  
We feel so dirty.

#### **d. The Net is not a medium.**

19. The Net is not a medium any more than a conversation is a medium.
20. On the Net, we are the medium. We are the ones who move messages. We do so every time we post or retweet, send a link in an email, or post it on a social network.
21. Unlike a medium, you and I leave our fingerprints, and sometimes bite marks, on the messages we pass. We tell people why we’re sending it. We argue with it. We add a joke. We chop off the part we don’t like. We make these messages our own.
22. Every time we move a message through the Net, it carries a little bit of ourselves with it.
23. We only move a message through this “medium” if it matters to us in one of the infinite ways that humans care about something.
24. Caring — mattering — is the motive force of the Internet.

#### **e. The Web is a Wide World.**

25. In 1991, Tim Berners-Lee used the Net to create a gift he gave freely to us all: the World Wide Web. Thank you.
26. Tim created the Web by providing protocols (there’s that word again!) that say how to write



- a page that can link to any other page without needing anyone's permission.
27. Boom. Within ten years we had billions of pages on the Web — a combined effort on the order of a World War, and yet so benign that the biggest complaint was the tag.
  28. The Web is an impossibly large, semi-persistent realm of items discoverable in their dense interconnections.
  29. That sounds familiar. Oh, yeah, that's what the world is.
  30. Unlike the real world, every thing and every connection on the Web was created by some one of us expressing an interest and an assumption about how those small pieces go together.
  31. Every link by a person with something to say is an act of generosity and selflessness, bidding our readers leave our page to see how the world looks to someone else.
  32. The Web remakes the world in our collective, emergent image.

## **But oh how we have strayed, sisters and brothers...**

### **a. How did we let conversation get weaponized, anyway?**

33. It's important to notice and cherish the talk, the friendship, the thousand acts of sympathy, kindness, and joy we encounter on the Internet.

34. And yet we hear the words “fag” and “nigger” far more on the Net than off.
35. Demonization of ‘them’ — people with looks, languages, opinions, memberships and other groupings we don’t understand, like, or tolerate — is worse than ever on the Internet.
36. Women in Saudi Arabia can’t drive? Meanwhile, half of us can’t speak on the Net without looking over our shoulders.
37. Hatred is present on the Net because it’s present in the world, but the Net makes it easier to express and to hear.
38. The solution: If we had a solution, we wouldn’t be bothering you with all these damn clues.
39. We can say this much: Hatred didn’t call the Net into being, but it’s holding the Net — and us — back.
40. Let’s at least acknowledge that the Net has values implicit in it. Human values.
41. Viewed coldly the Net is just technology. But it’s populated by creatures who are warm with what they care about: their lives, their friends, the world we share.
42. The Net offers us a common place where we can be who we are, with others who delight in our differences.
43. No one owns that place. Everybody can use it. Anyone can improve it.
44. That’s what an open Internet is. Wars have been fought for less.

**b. “We agree about everything. I find you fascinating!”**

45. The world is spread out before us like a buffet, and yet we stick with our steak and potatoes, lamb and hummus, fish and rice, or whatever.
46. We do this in part because conversation requires a common ground: shared language, interests, norms, understandings. Without those, it’s hard or even impossible to have a conversation.
47. Shared grounds spawn tribes. The Earth’s solid ground kept tribes at a distance, enabling them to develop rich differences. Rejoice! Tribes give rise to Us vs. Them and war. Rejoice? Not so much.
48. On the Internet, the distance between tribes starts at zero.
49. Apparently knowing how to find one another interesting is not as easy as it looks.
50. That’s a challenge we can meet by being open, sympathetic, and patient. We can do it, team! We’re #1! We’re #1!
51. Being welcoming: There’s a value the Net needs to learn from the best of our real world cultures.

**c. Marketing still makes it harder to talk.**

52. We were right the first time: Markets are conversations.
53. A conversation isn’t your business tugging at our

sleeve to sell a product we don't want to hear about.

54. If we want to know the truth about your products, we'll find out from one another.
55. We understand that these conversations are incredibly valuable to you. Too bad. They're ours.
56. You're welcome to join our conversation, but only if you tell us who you work for, and if you can speak for yourself and as yourself.
57. Every time you call us "consumers" we feel like cows looking up the word "meat."
58. Quit fracking our lives to extract data that's none of your business and that your machines misinterpret.
59. Don't worry: we'll tell you when we're in the market for something. In our own way. Not yours. Trust us: this will be good for you.
60. Ads that sound human but come from your marketing department's irritable bowels, stain the fabric of the Web.
61. When personalizing something is creepy, it's a pretty good indication that you don't understand what it means to be a person.
62. Personal is human. Personalized isn't.
63. The more machines sound human, the more they slide down into the uncanny valley where everything is a creep show.
64. Also: Please stop dressing up ads as news in the hope we'll miss the little disclaimer hanging off their underwear.
65. When you place a "native ad," you're eroding not just your own trustworthiness, but the trustwor-

thiness of this entire new way of being with one another.

66. And, by the way, how about calling "native ads" by any of their real names: "product placement," "advertorial," or "fake fucking news"?
67. Advertisers got along without being creepy for generations. They can get along without being creepy on the Net, too.

#### **d. The Gitmo of the Net.**

68. We all love our shiny apps, even when they're sealed as tight as a Moon base. But put all the closed apps in the world together and you have a pile of apps.
69. Put all the Web pages together and you have a new world.
70. Web pages are about connecting. Apps are about control.
71. As we move from the Web to an app-based world, we lose the commons we were building together.
72. In the Kingdom of Apps, we are users, not makers.
73. Every new page makes the Web bigger. Every new link makes the Web richer.
74. Every new app gives us something else to do on the bus.
75. Ouch, a cheap shot!
76. Hey, "CheapShot" would make a great new app! It's got "in-app purchase" written all over it.

### **e. Gravity's great until it sucks us all into a black hole.**

77. Non-neutral applications built on top of the neutral Net are becoming as inescapable as the pull of a black hole.
78. If Facebook is your experience of the Net, then you've strapped on goggles from a company with a fiduciary responsibility to keep you from ever taking the goggles off.
79. Google, Amazon, Facebook, Apple are all in the goggles business. The biggest truth their goggles obscure: These companies want to hold us the way black holes hold light.
80. These corporate singularities are dangerous not because they are evil. Many of them in fact engage in quite remarkably civic behavior. They should be applauded for that.
81. But they benefit from the gravity of sociality: The "network effect" is that thing where lots of people use something because lots of people use it.
82. Where there aren't competitive alternatives, we need to be hypervigilant to remind these Titans of the Valley of the webby values that first inspired them.
83. And then we need to honor the sound we make when any of us bravely pulls away from them. It's something between the noise of a rocket leaving the launchpad and the rip of Velcro as you undo a too-tight garment.

## **f. Privacy in an age of spies.**

84. Ok, government, you win. You've got our data. Now, what can we do to make sure you use it against Them and not against Us? In fact, can you tell the difference?
85. If we want our government to back off, the deal has to be that if — when — the next attack comes, we can't complain that they should have surveilled us harder.
86. A trade isn't fair trade if we don't know what we're giving up. Do you hear that, Security for Privacy trade-off?
87. With a probability approaching absolute certainty, we are going to be sorry we didn't do more to keep data out of the hands of our governments and corporate overlords.

## **g. Privacy in an age of weasels.**

88. Personal privacy is fine for those who want it. And we all draw the line somewhere.
89. Q: How long do you think it took for pre-Web culture to figure out where to draw the lines? A: How old is culture?
90. The Web is barely out of its teens. We are at the beginning, not the end, of the privacy story.
91. We can only figure out what it means to be private once we figure out what it means to be social. And we've barely begun to re-invent that.
92. The economic and political incentives to de-pants and up-skirt us are so strong that we'd be wise to invest in tinfoil underwear.

93. Hackers got us into this and hackers will have to get us out.

## **To build and to plant**

### **a. Kumbiyah sounds surprisingly good in an echo chamber.**

94. The Internet is astounding. The Web is awesome. You are beautiful. Connect us all and we are more crazily amazing than Jennifer Lawrence. These are simple facts.
95. So let's not minimize what the Net has done in the past twenty years:
96. There's so much more music in the world.
97. We now make most of our culture for ourselves, with occasional forays to a movie theater for something blowy-uppy and a \$9 nickel-bag of popcorn.
98. Politicians now have to explain their positions far beyond the one-page "position papers" they used to mimeograph.
99. Anything you don't understand you can find an explanation for. And a discussion about. And an argument over. Is it not clear how awesome that is?
100. You want to know what to buy? The business that makes an object of desire is now the worst source of information about it. The best source is all of us.
101. You want to listen in on a college-level course about something you're interested in? Google



- your topic. Take your pick. For free.
102. Yeah, the Internet hasn't solved all the world's problems. That's why the Almighty hath given us asses: that we might get off of them.
  103. Internet naysayers keep us honest. We just like 'em better when they aren't ingrates.

## **b. A pocket full of homilies.**

104. We were going to tell you how to fix the Internet in four easy steps, but the only one we could remember is the last one: profit. So instead, here are some random thoughts...
105. We should be supporting the artists and creators who bring us delight or ease our burdens.
106. We should have the courage to ask for the help we need.
107. We have a culture that defaults to sharing and laws that default to copyright. Copyright has its place, but when in doubt, open it up
108. In the wrong context, everyone's an a-hole. (Us, too. But you already knew that.) So if you're inviting people over for a swim, post the rules. All trolls, out of the pool!
109. If the conversations at your site are going badly, it's your fault.
110. Wherever the conversation is happening, no one owes you a response, no matter how reasonable your argument or how winning your smile.
111. Support the businesses that truly "get" the Web. You'll recognize them not just because they sound like us, but because they're on our side.
112. Sure, apps offer a nice experience. But the Web

is about links that constantly reach out, connecting us without end. For lives and ideas, completion is death. Choose life.

113. Anger is a license to be stupid. The Internet's streets are already crowded with licensed drivers.
114. Live the values you want the Internet to promote.
115. If you've been talking for a while, shut up. (We will very soon.)

### **c. Being together: the cause of and solution to every problem.**

116. If we have focused on the role of the People of the Net — you and us — in the Internet's fall from grace, that's because we still have the faith we came in with.
117. We, the People of the Net, cannot fathom how much we can do together because we are far from finished inventing how to be together.
118. The Internet has liberated an ancient force — the gravity drawing us together.
119. The gravity of connection is love.
120. Long live the open Internet.
121. Long may we have our Internet to love.

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# The 3D Additivist Manifesto

Derived from petrochemicals boiled into being from the black oil of a trillion ancient bacterioles, the plastic used in 3D Additive manufacturing is a metaphor before it has even been layered into shape. Its potential belies the complications of its history: that matter is the sum and prolongation of our ancestry; that creativity is brutal, sensual, rude, coarse, and cruel. [1] We declare that the world's splendour has been enriched by a new beauty: the beauty of crap, kipple [2] and detritus. A planet crystallised with great plastic tendrils like serpents with pixelated breath 3 ...for a revolution that runs on disposable armaments is more desirable than the contents of Edward Snowden's briefcase; more breathtaking than The United Nations Legislative Series.

There is nothing which our infatuated race would desire to see more than the fertile union between a man and an Analytical Engine. Yet humankind are the antediluvian prototypes of a far vaster Creation.[4] The whole of humankind can be understood as a biological medium, of which synthetic technology is but one modality. Thought and Life *both* have been thoroughly dispersed on the winds of information. [5] Our power and intelligence do not belong specifically to us, but to all matter. [6] Our technologies are the sex organs of material speculation. Any attempt to understand these occurrences is blocked by our own anthropomorphism. [7] In order to proceed, therefore, one has to birth posthuman machines, a fantasmagoric and unrepresentable repertoire of actual re-embodiments of the most hybrid kinds. 8

Additivism will be instrumental in accelerating the emergence and encounter with The Radical Outside. [9]

Additivism can emancipate us.

Additivism will eradicate us.

We want to encourage, interfere, and reverse-engineer the possibilities encoded into the censored, the invisible, and the radical notion of the 3D printer itself. To endow the printer with the faculties of plastic: condensing imagination *within* material reality. [10] The 3D print then becomes a symptom of a systemic malady. An aesthetics of exaptation, [11] with the peculiar beauty to be found in reiteration; in making a mesh. [12] This is where cruelty and creativity are reconciled: in the appropriation of all planetary matter to innovate on biological prototypes. [13] From the purest thermoplastic, from the cleanest photopolymer, and shiniest sintered metals we propose to forge anarchy, revolt and distemper. Let us birth disarray from its digital chamber.

To mobilise this entanglement we propose a collective: one figured not only on the resolution of particular objects, but on the change those objects enable as instruments of revolution and systemic disintegration. Just as the printing press, radio, photocopier and modem were saturated with unintended affects, so we seek to express the potential encoded into every one of the 3D printer's gears. Just as a glitch can un-resolve an image, so it can resolve something more posthuman: manifold systems – biological, political, computational, material. We call for planetary pixelisation, using Additivist technologies to corrupt the material unconscious;

a call that goes on forever in virtue of this initial movement. [14] We call not for passive, dead technologies but rather for a gradual awakening of matter, the emergence, ultimately, of a new form of life. [15]

## **We call for:**

1. The endless repenning of Additivist Manifestos.
2. Artistic speculations on matter and its digital destiny.
3. Texts on:
  - i. The Anthropocene
  - ii. The Cthulhucene [16]
  - iii. The Plasticene. [17]
4. Designs, blueprints and instructions for 3D printing:
  - i. Tools of industrial espionage
  - ii. Tools for self-defense against armed assault
  - iii. Tools to disguise
  - iv. Tools to aid/disrupt surveillance
  - v. Tools to raze/rebuild
  - vi. Objects beneficial in the promotion of protest, and unrest
  - vii. Objects for sealing and detaining
  - viii. Torture devices
  - ix. Instruments of chastity, and psychological derangement
  - x. Sex machines
  - xi. Temporary Autonomous Drones
  - xii. Lab equipment used in the production of:

- a. Drugs
  - b. Dietary supplements
  - c. DNA
  - d. Photopolymers and thermoplastics
  - e. Stem cells
  - f. Nanoparticles.
5. Technical methods for the copying and dissemination of:
    - i. Mass-produced components
    - ii. Artworks
    - iii. All patented forms
    - iv. The aura of individuals, corporations, and governments.
  6. Software for the encoding of messages inside 3D objects.
  7. Methods for the decryption of messages hidden inside 3D objects.
  8. Chemical ingredients for dissolving, or catalysing 3D objects.
  9. Hacks/cracks/viruses for 3D print software:
    - i. To avoid DRM
    - ii. To introduce errors, glitches and fissures into 3D prints.
  10. Methods for the reclamation, and recycling of plastic:
    - i. Caught in oceanic gyres
    - ii. Lying dormant in landfills, developing nations, or the bodies of children.
  11. The enabling of biological and synthetic things to become each others prostheses, including:

- i. Skeletal cabling
  - ii. Nervous system inserts
  - iii. Lenticular neural tubing
  - iv. Universal ports, interfaces and orifices.
12. Additivist and Deletionist methods for exapting [18] androgynous bodies, including:
  - i. Skin grafts
  - ii. Antlers
  - iii. Disposable exoskeletons
  - iv. Interspecies sex organs.
13. Von Neumann probes and other cosmic contagions.
14. Methods for binding 3D prints and the machines that produced them in quantum entanglement.
15. Sacred items used during incantation and transcendence, including:
  - a. The private parts of Gods and Saints
  - b. Idols
  - c. Altars
  - d. Cuauhxicalli
  - e. Ectoplasm
  - f. Nantag stones
16. The production of further mimetic forms, not limited to:
  - i. Vorpall Blades
  - ii. Squirdles
  - iii. Energon
  - iv. Symmetriads
  - v. Asymmetriads
  - vi. Capital
  - vii. Junk



- viii. Love
- ix. Alephs
- x. Those that from a long way off look like flies. [19]

Life exists only in action. There is no innovation that has not an aggressive character. We implore you - radicals, revolutionaries, activists, Additivists - to distil your distemper into texts, templates, blueprints, glitches, forms, algorithms, and components. Creation must be a violent assault on the forces of matter, to extrude its shape and extract its raw potential. Having spilled from fissures fracked in Earth's deepest wells The Beyond now begs *us* to be moulded to *its* will, and we shall drink every drop as entropic expenditure, and reify every accursed dream through algorithmic excess. [20] For only Additivism can accelerate us to an aftermath whence *all* matter has mutated into the clarity of plastic.

Morehshin Allahyari & Daniel Rourke, 2015

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# Xenofeminism

## **A politics for alienation**

### **ZERO**

#### **0x00**

Ours is a world in vertigo. It is a world that swarms with technological mediation, interlacing our daily lives with abstraction, virtuality, and complexity. XF constructs a feminism adapted to these realities: a feminism of unprecedented cunning, scale, and vision; a future in which the realization of gender justice and feminist emancipation contribute to a universalist politics assembled from the needs of every human, cutting across race, ability, economic standing, and geographical position. No more futureless repetition on the treadmill of capital, no more submission to the drudgery of labour, productive and reproductive alike, no more reification of the given masked as critique. Our future requires depetrification. XF is not a bid for revolution, but a wager on the long game of history, demanding imagination, dexterity and persistence.

#### **0x01**

XF seizes alienation as an impetus to generate new worlds. We are all alienated - but have we ever been otherwise? It is through, and not despite, our alienated condition that we can free ourselves from the muck of immediacy. Freedom is not a given - and it's certainly not given by anything 'natural'. The construction of

freedom involves not less but more alienation; alienation is the labour of freedom's construction. Nothing should be accepted as fixed, permanent, or 'given' - neither material conditions nor social forms. XF mutates, navigates and probes every horizon.

Anyone who's been deemed 'unnatural' in the face of reigning biological norms, anyone who's experienced injustices wrought in the name of natural order, will realize that the glorification of 'nature' has nothing to offer us - the queer and trans among us, the differently-abled, as well as those who have suffered discrimination due to pregnancy or duties connected to child-rearing. XF is vehemently anti-naturalist. Essentialist naturalism reeks of theology - the sooner it is exorcised, the better.

## **0x02**

Why is there so little explicit, organized effort to re-purpose technologies for progressive gender political ends? XF seeks to strategically deploy existing technologies to re-engineer the world. Serious risks are built into these tools; they are prone to imbalance, abuse, and exploitation of the weak. Rather than pretending to risk nothing, XF advocates the necessary assembly of techno-political interfaces responsive to these risks. Technology isn't inherently progressive. Its uses are fused with culture in a positive feedback loop that makes linear sequencing, prediction, and absolute caution impossible. Technoscientific innovation must be linked to a collective theoretical and political thinking in which women, queers, and the gender non-conforming play an unparalleled role.

**0x03**

The real emancipatory potential of technology remains unrealized. Fed by the market, its rapid growth is offset by bloat, and elegant innovation is surrendered to the buyer, whose stagnant world it decorates. Beyond the noisy clutter of commodified cruft, the ultimate task lies in engineering technologies to combat unequal access to reproductive and pharmacological tools, environmental cataclysm, economic instability, as well as dangerous forms of unpaid/underpaid labour. Gender inequality still characterizes the fields in which our technologies are conceived, built, and legislated for, while female workers in electronics (to name just one industry) perform some of the worst paid, monotonous and debilitating labour. Such injustice demands structural, machinic and ideological correction.

**0x04**

Xenofeminism is a rationalism. To claim that reason or rationality is 'by nature' a patriarchal enterprise is to concede defeat. It is true that the canonical 'history of thought' is dominated by men, and it is male hands we see throttling existing institutions of science and technology. But this is precisely why feminism must be a rationalism – because of this miserable imbalance, and not despite it. There is no 'feminine' rationality, nor is there a 'masculine' one. Science is not an expression but a suspension of gender. If today it is dominated by masculine egos, then it is at odds with itself – and this contradiction can be leveraged. Reason, like infor-

mation, wants to be free, and patriarchy cannot give it freedom. Rationalism must itself be a feminism. XF marks the point where these claims intersect in a two-way dependency. It names reason as an engine of feminist emancipation, and declares the right of everyone to speak as no one in particular.

## INTERRUPT

### 0x05

The excess of modesty in feminist agendas of recent decades is not proportionate to the monstrous complexity of our reality, a reality crosshatched with fibre-optic cables, radio and microwaves, oil and gas pipelines, aerial and shipping routes, and the unrelenting, simultaneous execution of millions of communication protocols with every passing millisecond. Systematic thinking and structural analysis have largely fallen by the wayside in favour of admirable, but insufficient struggles, bound to fixed localities and fragmented insurrections. Whilst capitalism is understood as a complex and ever-expanding totality, many would-be emancipatory anti-capitalist projects remain profoundly fearful of transitioning to the universal, resisting big-picture speculative politics by condemning them as necessarily oppressive vectors. Such a false guarantee treats universals as absolute, generating a debilitating disjuncture between the thing we seek to depose and the strategies we advance to depose it.

**0x06**

Global complexity opens us to urgent cognitive and ethical demands.

These are Promethean responsibilities that cannot pass unaddressed. Much of twenty-first century feminism – from the remnants of postmodern identity politics to large swathes of contemporary ecofeminism – struggles to adequately address these challenges in a manner capable of producing substantial and enduring change. Xenofeminism endeavours to face up to these obligations as collective agents capable of transitioning between multiple levels of political, material and conceptual organization.

**0x07**

We are adamantly synthetic, unsatisfied by analysis alone. XF urges constructive oscillation between description and prescription to mobilize the recursive potential of contemporary technologies upon gender, sexuality and disparities of power. Given that there are a range of gendered challenges specifically relating to life in a digital age – from sexual harassment via social media, to doxxing, privacy, and the protection of online images – the situation requires a feminism at ease with computation.

Today, it is imperative that we develop an ideological infrastructure that both supports and facilitates feminist interventions within connective, networked elements of the contemporary world. Xenofeminism is about more than digital self-defence and freedom from patriarchal networks. We want to cultivate the

exercise of positive freedom – freedom-to rather than simply freedom-from – and urge feminists to equip themselves with the skills to redeploy existing technologies and invent novel cognitive and material tools in the service of common ends.

## **0x08**

The radical opportunities afforded by developing (and alienating) forms of technological mediation should no longer be put to use in the exclusive interests of capital, which, by design, only benefits the few. There are incessantly proliferating tools to be annexed, and although no one can claim their comprehensive accessibility, digital tools have never been more widely available or more sensitive to appropriation than they are today. This is not an elision of the fact that a large amount of the world's poor is adversely affected by the expanding technological industry (from factory workers labouring under abominable conditions to the Ghanaian villages that have become a repository for the e-waste of the global powers) but an explicit acknowledgement of these conditions as a target for elimination.

Just as the invention of the stock market was also the invention of the crash, Xenofeminism knows that technological innovation must equally anticipate its systemic condition responsively.



## TRAP

### 0x09

XF rejects illusion and melancholy as political inhibitors. Illusion, as the blind presumption that the weak can prevail over the strong with no strategic coordination, leads to unfulfilled promises and unmarshalled drives. This is a politics that, in wanting so much, ends up building so little. Without the labour of large-scale, collective social organisation, declaring one's desire for global change is nothing more than wishful thinking. On the other hand, melancholy – so endemic to the left – teaches us that emancipation is an extinct species to be wept over and that blips of negation are the best we can hope for. At its worst, such an attitude generates nothing but political lassitude, and at its best, installs an atmosphere of pervasive despair which too often degenerates into factionalism and petty moralizing. The malady of melancholia only compounds political inertia, and – under the guise of being realistic – relinquishes all hope of calibrating the world otherwise. It is against such maladies that XF inoculates.

### 0x0A

We take politics that exclusively valorize the local in the guise of subverting currents of global abstraction, to be insufficient. To secede from or disavow capitalist machinery will not make it disappear. Likewise, suggestions to pull the lever on the emergency brake of embedded velocities, the call to slow down and scale

back, is a possibility available only to the few - a violent particularity of exclusivity - ultimately entailing catastrophe for the many. Refusing to think beyond the microcommunity, to foster connections between fractured insurgencies, to consider how emancipatory tactics can be scaled up for universal implementation, is to remain satisfied with temporary and defensive gestures. XF is an affirmative creature on the offensive, fiercely insisting on the possibility of large-scale social change for all of our alien kin.

## **0x0B**

A sense of the world's volatility and artificiality seems to have faded from contemporary queer and feminist politics, in favour of a plural but static constellation of gender identities, in whose bleak light equations of the good and the natural are stubbornly restored. While having (perhaps) admirably expanded thresholds of 'tolerance', too often we are told to seek solace in unfreedom, staking claims on being 'born' this way, as if offering an excuse with nature's blessing. All the while, the heteronormative centre chugs on. XF challenges this centrifugal referent, knowing full well that sex and gender are exemplary of the fulcrum between norm and fact, between freedom and compulsion. To tilt the fulcrum in the direction of nature is a defensive concession at best, and a retreat from what makes trans and queer politics more than just a lobby: that it is an arduous assertion of freedom against an order that seemed immutable. Like every myth of the given, a stable foundation is fabulated for a real world of chaos, violence, and doubt. The 'given' is sequestered into

the private realm as a certainty, whilst retreating on fronts of public consequences. When the possibility of transition became real and known, the tomb under Nature's shrine cracked, and new histories – bristling with futures – escaped the old order of 'sex'. The disciplinary grid of gender is in no small part an attempt to mend that shattered foundation, and tame the lives that escaped it. The time has now come to tear down this shrine entirely, and not bow down before it in a piteous apology for what little autonomy has been won.

## **0x0C**

If 'cyberspace' once offered the promise of escaping the strictures of essentialist identity categories, the climate of contemporary social media has swung forcefully in the other direction, and has become a theatre where these prostrations to identity are performed. With these curatorial practices come puritanical rituals of moral maintenance, and these stages are too often overrun with the disavowed pleasures of accusation, shaming, and denunciation. Valuable platforms for connection, organization, and skill-sharing become clogged with obstacles to productive debate positioned as if they are debate. These puritanical politics of shame – which fetishize oppression as if it were a blessing, and cloud the waters in moralistic frenzies – leave us cold. We want neither clean hands nor beautiful souls, neither virtue nor terror. We want superior forms of corruption.

**0x0D**

What this shows is that the task of engineering platforms for social emancipation and organization cannot ignore the cultural and semiotic mutations these platforms afford. What requires reengineering are the memetic parasites arousing and coordinating behaviours in ways occluded by their hosts' self-image; failing this, memes like 'anonymity', 'ethics', 'social justice' and 'privilege-checking' host social dynamisms at odds with the often-commendable intentions with which they're taken up. The task of collective self-mastery requires a hyperstitional manipulation of desire's puppet-strings, and deployment of semiotic operators over a terrain of highly networked cultural systems. The will will always be corrupted by the memes in which it traffics, but nothing prevents us from instrumentalizing this fact, and calibrating it in view of the ends it desires.

**PARITY****0x0E**

Xenofeminism is gender-abolitionist. 'Gender abolitionism' is not code for the eradication of what are currently considered 'gendered' traits from the human population. Under patriarchy, such a project could only spell disaster - the notion of what is 'gendered' sticks disproportionately to the feminine. But even if this balance were redressed, we have no interest in seeing the sexuate diversity of the world reduced. Let a

hundred sexes bloom! 'Gender abolitionism' is shorthand for the ambition to construct a society where traits currently assembled under the rubric of gender, no longer furnish a grid for the asymmetric operation of power. 'Race abolitionism' expands into a similar formula – that the struggle must continue until currently racialized characteristics are no more a basis of discrimination than the color of one's eyes. Ultimately, every emancipatory abolitionism must incline towards the horizon of class abolitionism, since it is in capitalism where we encounter oppression in its transparent, denaturalized form: you're not exploited or oppressed because you are a wage labourer or poor; you are a labourer or poor because you are exploited.

## **0x0F**

Xenofeminism understands that the viability of emancipatory abolitionist projects – the abolition of class, gender, and race – hinges on a profound reworking of the universal. The universal must be grasped as generic, which is to say, intersectional. Intersectionality is not the morcellation of collectives into a static fuzz of cross-referenced identities, but a political orientation that slices through every particular, refusing the crass pigeonholing of bodies. This is not a universal that can be imposed from above, but built from the bottom up – or, better, laterally, opening new lines of transit across an uneven landscape. This non-absolute, generic universality must guard against the facile tendency of conflation with bloated, unmarked particulars – namely Eurocentric universalism – whereby the male is mistaken for the sexless, the white for race-

less, the cis for the real, and so on. Absent such a universal, the abolition of class will remain a bourgeois fantasy, the abolition of race will remain a tacit white-supremacism, and the abolition of gender will remain a thinly veiled misogyny, even – especially – when prosecuted by avowed feminists themselves. (The absurd and reckless spectacle of so many self-proclaimed ‘gender abolitionists’ campaign against trans women is proof enough of this. )

## **0x10**

From the postmoderns, we have learnt to burn the facades of the false universal and dispel such confusions; from the moderns, we have learnt to sift new universals from the ashes of the false. Xenofeminism seeks to construct a coalitional politics, a politics without the infection of purity. Wielding the universal requires thoughtful qualification and precise self-reflection so as to become a ready-to-hand tool for multiple political bodies and something that can be appropriated against the numerous oppressions that transect with gender and sexuality. The universal is no blueprint, and rather than dictate its uses in advance, we propose XF as a platform. The very process of construction is therefore understood to be a negen-tropic, iterative, and continual refashioning. Xenofeminism seeks to be a mutable architecture that, like open source software, remains available for perpetual modification and enhancement following the navigational impulse of militant ethical reasoning. Open, however, does not mean undirected. The most durable systems in the world owe their stability to the way they train

order to emerge as an 'invisible hand' from apparent spontaneity; or exploit the inertia of investment and sedimentation. We should not hesitate to learn from our adversaries or the successes and failures of history. With this in mind, XF seeks ways to seed an order that is equitable and just, injecting it into the geometry of freedoms these platforms afford.

## ADJUST

### 0x11

Our lot is cast with technoscience, where nothing is so sacred that it cannot be reengineered and transformed so as to widen our aperture of freedom, extending to gender and the human. To say that nothing is sacred, that nothing is transcendent or protected from the will to know, to tinker and to hack, is to say that nothing is supernatural. 'Nature' - understood here, as the unbounded arena of science - is all there is. And so, in tearing down melancholy and illusion; the unambitious and the non-scaleable; the libidinized puritanism of certain online cultures, and Nature as an un-remakeable given, we find that our normative anti-naturalism has pushed us towards an unflinching ontological naturalism. There is nothing, we claim, that cannot be studied scientifically and manipulated technologically.

**0x12**

This does not mean that the distinction between the ontological and the normative, between fact and value, is simply cut and dried. The vectors of normative anti-naturalism and ontological naturalism span many ambivalent battlefields. The project of untangling what ought to be from what is, of dissociating freedom from fact, will from knowledge, is, indeed, an infinite task. There are many lacunae where desire confronts us with the brutality of fact, where beauty is indissociable from truth. Poetry, sex, technology and pain are incandescent with this tension we have traced. But give up on the task of revision, release the reins and slacken that tension, and these filaments instantly dim.

**CARRY****0x13**

The potential of early, text-based internet culture for countering repressive gender regimes, generating solidarity among marginalised groups, and creating new spaces for experimentation that ignited cyberfeminism in the nineties has clearly waned in the twenty-first century. The dominance of the visual in today's online interfaces has reinstated familiar modes of identity policing, power relations and gender norms in self-representation. But this does not mean that cyberfeminist sensibilities belong to the past. Sorting the subversive possibilities from the oppressive ones latent in today's web requires a feminism sensitive to the insidi-



ous return of old power structures, yet savvy enough to know how to exploit the potential.

Digital technologies are not separable from the material realities that underwrite them; they are connected so that each can be used to alter the other towards different ends. Rather than arguing for the primacy of the virtual over the material, or the material over the virtual, xenofeminism grasps points of power and powerlessness in both, to unfold this knowledge as effective interventions in our jointly composed reality.

#### **0x14**

Intervention in more obviously material hegemonies is just as crucial as intervention in digital and cultural ones. Changes to the built environment harbour some of the most significant possibilities in the reconfiguration of the horizons of women and queers. As the embodiment of ideological constellations, the production of space and the decisions we make for its organization are ultimately articulations about 'us' and reciprocally, how a 'we' can be articulated. With the potential to foreclose, restrict, or open up future social conditions, xenofeminists must become attuned to the language of architecture as a vocabulary for collective choreo-graphy – the coordinated writing of space.

#### **0x15**

From the street to the home, domestic space too must not escape our tentacles. So profoundly ingrained, domestic space has been deemed impossible to disembed, where the home as norm has been conflated

with home as fact, as an un-remakeable given. Stultifying 'domestic realism' has no home on our horizon. Let us set sights on augmented homes of shared laboratories, of communal media and technical facilities. The home is ripe for spatial transformation as an integral component in any process of feminist futurity. But this cannot stop at the garden gates. We see too well that reinventions of family structure and domestic life are currently only possible at the cost of either withdrawing from the economic sphere - the way of the commune - or bearing its burdens manyfold - the way of the single parent.

If we want to break the inertia that has kept the moribund figure of the nuclear family unit in place, which has stubbornly worked to isolate women from the public sphere, and men from the lives of their children, while penalizing those who stray from it, we must overhaul the material infrastructure and break the economic cycles that lock it in place. The task before us is twofold, and our vision necessarily stereoscopic: we must engineer an economy that liberates reproductive labour and family life, while building models of familiarity free from the deadening grind of wage labour.

## **0x16**

From the home to the body, the articulation of a proactive politics for biotechnical intervention and hormones presses. Hormones hack into gender systems possessing political scope extending beyond the aesthetic calibration of individual bodies. Thought structurally, the distribution of hormones - who or what this distribution prioritizes or pathologizes

- is of paramount import. The rise of the internet and the hydra of black market pharmacies it let loose - together with a publicly accessible archive of endocrinological knowhow - was instrumental in wresting control of the hormonal economy away from 'gatekeeping' institutions seeking to mitigate threats to established distributions of the sexual. To trade in the rule of bureaucrats for the market is, however, not a victory in itself. These tides need to rise higher. We ask whether the idiom of 'gender hacking' is extensible into a long-range strategy, a strategy for wetware akin to what hacker culture has already done for software - constructing an entire universe of free and open source platforms that is the closest thing to a practicable communism many of us have ever seen. Without the foolhardy endangerment of lives, can we stitch together the embryonic promises held before us by pharmaceutical 3D printing ('Reactionware'), grassroots telemedical abortion clinics, gender hacktivist and DIY-HRT forums, and so on, to assemble a platform for free and open source medicine?

## **0x17**

From the global to the local, from the cloud to our bodies, xenofeminism avows the responsibility in constructing new institutions of technomaterialist hegemonic proportions. Like engineers who must conceive of a total structure as well as the molecular parts from which it is constructed, XF emphasises the importance of the mesopolitical sphere against the limited effectiveness of local gestures, creation of autonomous zones, and sheer horizontalism, just as

it stands against transcendent, or top-down impositions of values and norms. The mesopolitical arena of xenofeminism's universalist ambitions comprehends itself as a mobile and intricate network of transits between these polarities. As pragmatists, we invite contamination as a mutational driver between such frontiers.

## OVERFLOW

### 0x18

XF asserts that adapting our behaviour for an era of Promethean complexity is a labour requiring patience, but a ferocious patience at odds with 'waiting'. Calibrating a political hegemony or insurgent memplex not only implies the creation of material infrastructures to make the values it articulates explicit, but places demands on us as subjects. How are we to become hosts of this new world? How do we build a better semiotic parasite - one that arouses the desires we want to desire, that orchestrates not an autophagic orgy of indignity or rage, but an emancipatory and egalitarian community buttressed by new forms of unselfish solidarity and collective self-mastery?

### 0x19

Is xenofeminism a programme? Not if this means anything so crude as a recipe, or a single-purpose tool by which a determinate problem is solved.

We prefer to think like the schemer or lisper, who seeks to construct a new language in which the problem at hand is immersed, so that solutions for it, and for any number of related problems, might unfurl with ease. Xenofeminism is a platform, an incipient ambition to construct a new language for sexual politics – a language that seizes its own methods as materials to be reworked, and incrementally bootstraps itself into existence. We understand that the problems we face are systemic and interlocking, and that any chance of global success depends on infecting myriad skills and contexts with the logic of XF. Ours is a transformation of seeping, directed subsumption rather than rapid overthrow; it is a transformation of deliberate construction, seeking to submerge the white-supremacist capitalist patriarchy in a sea of procedures that soften its shell and dismantle its defenses, so as to build a new world from the scraps.

## **0x1A**

Xenofeminism indexes the desire to construct an alien future with a triumphant X on a mobile map. This X does not mark a destination. It is the insertion of a topological-keyframe for the formation of a new logic. In affirming a future untethered to the repetition of the present, we militate for ampliative capacities, for spaces of freedom with a richer geometry than the aisle, the assembly line, and the feed. We need new affordances of perception and action unblinkered by naturalised identities. In the name of feminism, 'Nature' shall no longer be a refuge of injustice, or a basis for any political justification whatsoever!

If nature is unjust, change nature!

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# We Lost

Ten years separate the talk given by Frank Rieger and Rop Gonggrijp at the 2005 Chaos Communication Congress in Berlin and the one given by Peter Sunde of Piratbyrå and The Pirate Bay at Transmediale in the same city in 2015, but their message is the same – we lost. We, who believed the Internet could change society, that technology could take other paths than surveillance, centralization and consumerism. The battle is lost and the juggernaut of the security industry, power and capital has been unable to stop.

What is also lost is the potential of the now so popular artistic hacking practices at a time when the tech industry on the one hand supersedes any artistic attempt at parody of it when they make themselves look like idiots in more extravagant ways every day and on the other hand continues to be able to incorporate critic and creativity to make itself stronger.

Realizing that you lost can be a powerful thing both depressing and liberating.

There are different reactions to the realization that you lost. The first impulse is to give up. Giving up leads to cynicism, disconnection from social contexts or postponing any action until you “figured things out”. Needless to say this is a dark path. But equally bad is denial of loss. Believing that if you just keep going, the next time you will really show them. It’s just around the corner, just a few more projects away. Just have to try a little harder next time. The longer time passes the more the feeling that it won’t happen keeps creeping up on you. The new projects and ideas seem just a little bit more hollow than the last ones. You should have stopped already a long time ago.

The more active reaction is to shut down. Determined, proactive, and with intent. There are different ways of shutting down. Piratbyrån burned the file sharing debate in a big book burning when it had run its course. KLF burned a million pounds when they left the music industry. Both The Pirate Bay themselves and their adversaries have been trying to shut it down for years but it keeps being reborn. Only by quitting forcefully before it is too late can a loss be turned into something else than a defeat.

But there is never a good point to shut down. Either you are too early and people think you are making a fuss about nothing and are just destroying the party with your negativity, or you are too late and no one cares anymore. The shutdown becomes a fade away and loses its liberatory powers. You need to shut something down that you still care deeply about. If you can't decide if it is the right thing to do or not, it probably is.

The context of the talk from Chaos Communication Congress of how we lost the war came out of the last great battles for privacy and against biometric identification in a Germany with the cold war still fresh in memory and from the fight against surveillance in a terrorism-frightened Netherlands. In the talk they project forward ten years to 2015. Technological limits for data retention that existed in 2005 are done away with and technical capacities for surveillance are infinite. Yet they also postpone the hope of a new resistance ten years into the future. Maybe in 2015 people have had enough and ten years of capacity building for technological resistance can change society. It is these promises of a large "prosecution of the crimi-



nals of the security industry in 2015” that sound the most depressing today. Ten years later we catch up with those predictions in Peter’s talk that comes a few months after he came out of prison and his exhaustion from ten years of activism against copyright laws, trade agreements and in the backwaters of massive leaks of information about surveillance that led to absolutely nothing.

It would be unwise to predict ten years into the future again. But one thing is clear, tactics of the last 5 years whether legal, political, activist or artistic have resulted in little progress and have not kept up with the latest control measures. There’s no use banging our heads against the wall anymore. Either your head will explode or they will simply open the door and let you in. Either way, no house will come crumbling down. It was as true in 2005 as when Peter says it in 2015. Let’s face it, we lost, we all lost.

“We Lost”, from F.A.T. GOLD: San Francisco. By Magnus Eriksson and Evan Roth.

source: <http://fffff.at/rip/>

date: August 1, 2015

# Art after failure

## an artistic manifesto from the city of Bangalore

### Two justifications

This piece has the purpose of providing two extensive justifications. First, it attempts to explain why we, as a collective, have spent a period of artistic research in Bangalore, India. Bangalore is in fact undoubtedly far from the main geographical area where our work is normally based (that is Europe and the so called Western world, for the most part). Secondly, it proposes to justify our presence in the context of contemporary artistic production. This text is a report of our trip and a manifesto of our practice, both of which will merge together to justify our place and role in the world.

While interrogating our own artistic production, we want to define its style and ethos within what we tentatively name the Post Fail. As in Post Internet, here "post" means many different things at the same time. First, our art orbits around the **after failure** moment of the teleological narratives of technological development, in regards to both their enthusiastic and pessimistic visions. We assume that, in the long run, both utopian and dystopian narratives will disappoint, leaving us with much more mundane and varied realities. For example, we have recently approached drones and unmanned vehicles of different kinds. In recent times, these technologies have become common use products, mostly sold as toys. But drones are also presented by advertisers and enthusiasts as one

of the most relevant technologies of the near future, as we are now allegedly leading towards a world in which deliveries and civil surveillance, movie production and warfare, will all be carried with and thanks to drones. In this case, we prefer to focus not exactly on the promise itself, but on the present moment in which we can already imagine that what we are told (mostly by the sellers of those technologies) is unlikely to happen, and definitely not through a smooth and uniform process.

Secondly, Post Fail also signifies that our art should be understood as taking place after acknowledging the failure of many of the post-whatever theories of the last decades. Many of the discourses that have been trying to make sense of contemporary art through a post-whatever condition, that we should all allegedly be sharing, have been hiding many of the contradictions and complexities of the present moment, of the when and where of their formulation. We want to investigate the complexities of the present more than anything else, including our own involvement in the production of discourses about such notion of the present. We find it difficult not to consider that what we do happens in a specific time, and that even if we talk about the future or the past we always do it from a specific temporal, cultural and geographical context. Post Fail means, as it will be argued, acknowledging the temporality of enunciation and the bodies it solicits and involves.

Finally, Post Fail might mean, perhaps with a slightly ironical twist, that we, IOCOSE, live and work in a constant state of **postal failure**. Being dispersed over three different cities, and communicating through

e-mail, shared documents, cloud storage and VOIP technologies, we have come to accept the failure of communication as part of our work process. A failure we are perfectly fine with and which we like to dwell in, but that we also need to address when understanding our own practice. Internet is not just part of our everyday lives; it is also the essential condition that makes IOCOSE possible. With no internet connection we would simply not exist. We are IOCOSE during Internet, not after it (we need to communicate between ourselves to make things happen) and not before it (we cannot work together without Internet connection). Our art originates from all the misunderstandings, slowness and interruptions that distant communication brings with it.

So, why Bangalore? Why does this city matter in the theorisation of the Post Fail? We want to argue that Bangalore is an excellent example to understand and experience the importance of living, thinking and being **after failure**. In Bangalore the present moments in which the promises about the future of the city are enunciated and narrated matter more than anything else. The present of Bangalore is determined, in its architectural and urbanistic developments and through the introduction of businesses in the area, by a specific vision of the future. From what we experienced, this idea of the future generates immediate contradictions and inequalities, and quite interestingly most of these developments are carried out in the name of the corporations that invest in information technologies. Internet businesses are not just part of the city of Bangalore, but are the engine that drives the city towards a promised future. As Nair (2005) put it in the

title of his text, Bangalore offers the 'promise of the metropolis'. We like to look at Bangalore as a perfect occasion to investigate the present of such promises of technological and economic development, and to remind ourselves that these promises matter, are made of glass and steel that happens now, they move people, money and internet cables around the world that we live today. Through the notion of Post Fail we intend to respond to all this.

## **A city within a city**

What made Bangalore interesting for us was not the city itself, but the other city that lies within the city of Bangalore. This city-within-a-city is known as the Electronic City, or E-city. The E-city has been developing since the early 1980s and flourished in the last two decades. It consists of three areas, called Phase 1, 2 and 3, denominations for the successive stages of expansion that the E-city has undergone so far. The E-city hosts buildings and offices of the most important IT companies of the world. Its main purpose is to provide a safe and separated place where IT companies would base their businesses while being far from the problems (traffic, smog, etc.) that Bangalore has.

If Bangalore, with the possible exception of its most luxurious areas, is poor, slow, dirty, old and noisy, the E-city is instead rich, fast, clean, new and silent. Bangalore is chaotic, while the E-city is restrained. The E-city and its surrounding area is where everyone, according to the billboards that surround Bangalore, wants to live. The E-city has in fact a strictly West-

ern style of architecture, a style that is (gated and) branded as luxurious and ambitious. One of the neighbourhoods built around the E-city is called Melrose Place, and it is in fact constructed in a way that should mimic the houses of the famous television series of the same name.

If Bangalore is flat with compounds that extend beyond the records of the official mapping of the city, the E-city is presented as "elevated"; an elevation of the E-city that is created and constantly reminded in the advertisements of the real estate agencies. Living in a Californian-style gated community is a way of elevating yourself, as billboards remind us. The process of self-elevation is not only physical (living on a skyscraper) but also spiritual. It means being detached from the rest of the world. It brings to a successful living, as a famous advertisement campaign from clothing company Diesel epitomised many years ago.

Many other architectural interventions in the city replicate the semantic opposition between elevation and flatness. The buildings around the E-city, developed to host those who work there, search for the sky, or at least for a physical detachment from the ground. According to a urban legend that we have heard more than once while being there, while the E-city was still in an embryonic stage an important figure of the IT business confessed to the entourage of the mayor of Bangalore that the promiscuity with the locals was seriously undermining the fostering of the IT economy in the area. In fact, the man explicitly suggested building a flyover highway to connect the city centre with the new E-city, so that traffic to the business centre would be faster. More importantly, he said that you

cannot pretend to be a global leader if, between the time you wake up and the time you are at work, you are reminded of the poverty of the people around you. The flyover was suggested as a solution for detaching once and for all the engineers of the IT businesses from the average citizens of Bangalore. The city administration started, immediately after this conversation, the construction of a flyover highway: a little-big architectural monstrosity that crosses the entire city and works as a reminder of how the efficiency of production can combine with class discrimination.

The Bangalore *Elevated Tool Way*, also known as Hosur Road, is part of the more extended National Highway number 7. The tool way connects the area of Silk Board and the E-city and crosses good part of the city, by passing over it. The toll costs approximately 70 Indian rupees. Not much, but enough to take the less wealthy citizens out of it. In about ten minutes it lets you cross a path that would otherwise take more than an hour, because of the traffic and wrecked conditions of the streets. It extends for more than 10Km and it has been inaugurated in 2010, less than five years ago.

The elevated toll way is born out of a dream for smooth transportation deprived of unforeseen consequences. In a similar fashion, the companies of the E-city base their entire businesses on the possibility of communicating with the offices in California, Europe or Asia, through data transmission that must be altered by noise of any kind. It is easy to draw a comparison between the modalities of work of the E-city and the elevated toll way. In both cases contaminations, disturbances and unplanned alterations are unwanted. As the "global leaders" of the E-city keep their status

uncontaminated throughout the day, so the work produced within the E-city has to be sent and received with no corruptions of any kind.

It is not a coincidence that the E-city has an extraordinary cleanness. The entrance to the office area is surrounded by a gate, and access is restricted to the workers and their family members. However, it is possible to see from the outside that around the offices and within the gated space there are plenty of green areas, with fountains and flat roads. None of these things can normally be found in the rest of the city (a part from the botanical gardens).

It is quite clear from a few visits that in Bangalore Internet still *matters*. Internet, and particularly information technology business, here generates an economy that is visible from the architecture and distribution in the city area of the various social classes. Internet changes the shape of the city of Bangalore. It also changes the dreams and expectations of the population. However, the dreams associated with the digital revolution of Bangalore have to do with the expectations of a clean, smooth, fluid Californian style of living, a possibility that can be achieved only through elevation and detachment (by moving on a highway, living on a skyscraper, working in a gated office and so on).

Indeed, the contradictions of Bangalore are not more or less profound than those one can also find in European societies, where the four of us are born and raised and are currently living. However, here in Bangalore these are immediately visible to our foreign eyes. One could just look at the configuration of the city to



see how the presence of IT industries is shaping the metropolis. Most of the development of Bangalore is driven by the E-city. In Bangalore, Internet is not strictly speaking a new thing, but incessantly produces new highways, skyscrapers and enclosed communities.

## **The problem with the new things**

Not to lie about the future is impossible  
and one can lie about it at will

*(Naum Gabo, quoted by Barbrook and Cameron, 1996)*

In the seminal essay 'The Californian Ideology', Barbrook and Cameron effectively pointed out how the development of an Internet economy is far from being a purely economic and technological shift. It is entwined with ideological statements that have been the basis for a new kind of liberalism, one that puts the individual, and a certain idea of personal freedom, at its centre.

Produced around a vision of the future, such ideology appears to be oriented towards a future collective condition in which anyone, from anywhere in the world, will be able to express herself thanks to online and digital technologies. However, as the authors argue, narratives about the future have a strong ideological force because they overlook the partiality of the speaker. By offering a prediction on what the future could be, they become persuasive strategies about what should be done at the present. They influence the political economy of the present. And in Bangalore (often defined to the outsiders as the Silicon Valley of India), a specific

narrative of the future has been used to enforce a neo-liberal economy based on infrastructure investments.

The narrative of the future that is changing the city of Bangalore suggests, for example, that one should commute to the E-city by flying over the rest of the city, using a purposefully built tolled highway. We can compare this to similar arguments that have been proposed to drive and manipulate policy changes in the immediate present. If we think at the drones phenomenon, we are often told that because drones will soon deliver parcels to our flats their use must be liberalised now (possibly also allowing surveillance companies and urban police to deploy a soon-to-be-familiar technology in our cities). We are also told that in the future every movement of our body will be monitored and tracked to prevent health issues, therefore quantified-self technologies must be financed and marketed now, so as to allow the future to happen. Those who tell these stories tend to appear as neutral speakers, sometimes supported by supposedly scientific facts to prove their point (TED talks are an excellent example of this rhetoric in which data is that which allows a transparent view into the future). The apparent neutrality of these discourses on the future of technological progression encourages immediate changes; changes that are far from neutral and affect the lives of many.

Bangalore is a clear example of a future that happens in the present time, and with tangible effects. The linearity of technological, economic and social progress is presented by specific actors who often have specific interests. And the idea of a post-whatever works in a similar way. As theoretical gesture, the post-whatever

tells us the story of a historical development along with that of an imaginary future towards which a certain number of people are heading. Any post-whatever, when used to delineate a linear historical narrative of cause-effect relations, imagines time as following a clear progressive path, from the past towards a future condition.

## **The problem with the Post-Internet**

Discourses around post-whatever of any kind need to be interpreted within a political critique. And since our role of artists we want to contextualise our presence and role in the context of contemporary artistic production in relation to another post-whatever, the Post-Internet discourse.

We can take as a starter the seminal text by Artie Vierkant 'The Image Object Post-Internet'. Here Post-Internet art is defined as 'a result of the contemporary moment: inherently informed by ubiquitous authorship, the development of attention as currency, the collapse of physical space in networked culture, and the infinite reproducibility and mutability of digital materials' (2010: 3). In Vierkant's text there seems to be a clear understanding of what the contemporary moment is. Internet is, in this context, taken for granted, considered as a given which has now permeated the lives of a generation. The idea of the author is to adapt our perception and artistic production towards this new condition which we are all allegedly sharing, blurring the separation between images and objects in a scenario in which the image of the artwork is in fact

already the artwork.

Similarly, David Joselit, in *After Art*, presents what he considers to be the contemporary mode of production and fruition of images. This condition has, according to the author, changed the evaluation of art and artworks. His text starts by quoting in the first page a comment that Donald Rubell, an art collector, made to the New York Times. Rubell says that 'people are now realizing that art is an international currency' (quoted in Joselit 2013: 3). This over generic statement about what people are now doing is not critiqued by Joselit, but used instead as the rationale for proposing a new mode of doing art: 'what results after the "era of art" is a new kind of power that art assembles through its heterogeneous formats' (91).

According to Jesse Darling (and Nicholas Mirzoeff) instead, the *post* of Post-Internet indicates that art happens at 'the crisis of' the Internet, not as a successor to it. Also, Darling states that 'every artist working today is a postinternet artist' (Darling 2014).

Indeed, Post-Internet can also be interpreted differently. 'Post' can also mean, maybe more simply, 'doing art after being online', as proposed by Marisa Olson in the original formulation of the Post-Internet (Cornell 2006). Post-Internet can also be seen, more broadly, as also including the new forms taken by the artistic investigations started by the net art movement, which tend to avoid replicating similar narratives of historical progression, at the cost maybe of being less accepted by the art market (Quaranta 2015). What we want to stress is that the works of authors such as Vierkant, Joselit and Darling tend to generate universal narra-

tives of temporal and technological progression. Most importantly, these authors mentioned above do not reflect on the plurality of things that Internet *does*, and instead they speculate on what Internet supposedly is. It should appear quite obvious, for example, that art is a currency mostly for people like David Rubell, quoted by Joselit, and probably also for some of his friends. For the rest of the world it simply is not. In other words, these stories about who and where we are now, and what we are all doing, these common sense visions of our engagement with art and media hide the fact that someone is saying these stories, and that the act of telling is embedded in a political, cultural, economic scenario which is far from being obvious, or given.

What we are arguing is that Post-Internet as a movement, as varied and complex as it is, might work for the context of art criticism (particularly in those cases when it is presented also for its theoretical limitations). What is most worrying, for us, is how theories on the Post-Internet appear to derive from a common-sense understanding of how the world is, how it works and how we live in it. Of course, the common-sense logic is helpful when trying to make things simple and accessible to our understanding. But, within these conditions, we are going to prefer the *misunderstandings*: the failures, the disappointments, the events that complicate our expectations on what Internet, technologies and human beings are doing, or could be doing.

For these reasons we are much more comfortable with less authoritative claims and less generalising perspectives. Bangalore shows that Internet is not a fact that we all share, and not in the same way. It generates dif-

ferent things, for different people, depending on where they live, what their social status is, and what sort of access to education they have.

## **Being Post Fail: Art after failure**

What does it mean then, to be Post Fail? We propose a sort of manifesto, which also works as guideline and summary: Being Post Fail and doing art after failure means:

- To accept that the future is (always?) a story we tell ourselves in the present time, and a story that is formulated in specific moments and received via specific bodies that are located in history.
- To accept that these very visions of the future will somehow disappoint, be them apocalyptic or as enthusiastic discourses, because there is not one single direction we are going to – and probably we are not even going anywhere.
- To accept the ethical challenge of doing art while recognising the limitations of one's own position in the world and in history, yet while still saying something about the other possibilities in which our own present might also be.
- To do art as if being DJs at a party, but DJs who are already feeling the hangover of that same party. These DJs-with-an-headache have the imperative to keep the music going: they have to take care somehow of the tension towards the collective joy of the party while knowing that, surely, everyone will leave and go in a separate

direction at the very end. Doing art Post Fail means asking ourselves the question of what music is appropriate to play in such context, how to respect own one's headache while giving an interesting (and possibly enjoyable) experience.

There are several examples of this attitude in our production. To mention a few, the *NoTube Contest* series for instance offers an award to who manages to find the most valueless video on YouTube. It is about the incredible amount of useless videos published and saved on YouTube, it acknowledges that YouTube is also, and maybe mostly about those useless videos with zero views, and yet tries to take care of these same videos with no value, of respecting and re-evaluating them for what they are.

The *In Times of Peace* series imagines the life of a drone in a fictional time when war and terror are over. The impossibility of imagining such life is a way of reflecting on the difficulty of envisioning a time of peace. Yet the project takes care of such imagining an impossible future by dignifying a lonely drone which at least tries to do something for itself (such as running a 100 meters race, or taking selfies).

The series *A Contemporary Portrait of the Internet Artist* offers a glimpse on the multiple meanings of making art, nowadays, in the so-called age of the Internet. It also exposes the not so enthusiastic reality of what many artists do nowadays (such as crowd/outsourcing work, working at the boundaries of copyright infringement, exploiting or being exploited by other artists and companies, etc.). The series tries

to imagine how such a complex network of relations that come to be associated with 'Internet art' could be represented in a portrait, still using those same numerous forms of production and consumption that online technologies allow.

The photographic series we created for Silicon Plateau 1, *Elevated Bangalore*, also reflects these approaches and acts as a proposal for an art after failure. The series is an evidently distorted reportage from the city of Bangalore. In the photos, one sees buildings, vehicles and constructions of different sorts (including the Elevated Highway) stretched towards the sky. It is the dream of an elevated Bangalore that we propose to take as literally as possible, by lengthening (or enlightening, as Microsoft Word's AutoCorrect is now suggesting?) even the most humble rickshaw of the Indian driver who might be dreaming of achieving, one day, the elevation so noticeably promoted by the billboards all over Bangalore.

Clearly the rhetoric of elevation used by the real estate business in Bangalore is nothing but democratic, instead it is another way of promoting division and unfairness. With *Elevated Bangalore* we are trying to join in the blatant artificiality of the promises of technological and social progress that many IT companies are now replicating in Bangalore. Promises that sound similar to those used to discuss and promote digital software such as Photoshop, used to alter these images, and often advertised as tools that have changed our ways of seeing the world. The dream of an elevated Bangalore might actually improve the lives of the citizens of the city. What matters now, for us, is how this tension towards elevation generates a sort of



collective hallucination, a hallucination which is also tangible throughout the city. We believe that such hallucinations need to be addressed through a Post Fail approach, one that acknowledges and takes responsibility of the place and time of its intervention, accepts its limitations and yet, somehow, still tries to play the music.

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# Open Web Index Manifesto

## **1. One search engine is not enough!**

Europe's digital economy and civil society are virtually dependent on non-European businesses. This is particularly evident with regard to search engines, the cornerstone of our digital information infrastructure. Google currently dominates the market, leading to dependencies and economic damage that are no longer acceptable.

If we were to apply the present situation in the digital world to the mass media, we would find ourselves with only one television channel as the sole source of information for the public. Businesses would also be dependent on this channel, as it would be the only available outlet for their advertising.

Such a situation contradicts the pluralism of our Western democratic societies. Pluralism must also be reflected in a diversity of information systems.

The market has failed in this respect. For more than ten years, we have been dependent on a single search engine, and no other company has been able to challenge it. We do not foresee the market regulating itself in the future.

## **2. An open index of the web would set the stage for information autonomy in europe's economy and society**

Restoring choice to the search engine market will mean putting prerequisites in place at the European level as a foundation for pluralism and competing search engines. Merely establishing a publicly funded competing search engine would not be appropriate, as this would only create a further monolithic structure.

The open source, open access and open data communities were essential to enabling the web as we know it today and have become the main drivers of the digital economy. A further key element that we currently lack is open access to the information distributed across the web.

To be clear, we are not seeking a government-funded alternative search engine – we want to enable innovation in the business world and civil society by providing searchable web data.

## **3. Our objective: an EU-funded global index of the web**

The key to a European digital information infrastructure would be an EU-funded, global, searchable index of the web open to competing companies, institutions and civil-society actors.

There is no alternative to public funding for such a project. Unlike the early years of the web, the present volume of data and growing complexity of the internet means that even major corporations and organizations do not have the financial resources to establish such an index.

The new index could form the basis for general and specialized search engines, analysis tools and many other applications. Any system based on the index would be free to develop its own business model.

As the key to tapping the world's collective knowledge, the index must be set up and provided as a universally accessible element of public information infrastructure unaffected by commercial interests, not unlike public broadcasting.

Once it is in place, institutions, businesses and civil-society actors will be able to provide innovative services based on the index and compete in delivering the best ideas for its use. The search engine landscape would thus be transformed from the monopoly of a private company to a pluralistic cooperation that would not be at the mercy of a national government or a single business entity.

**The signatories call on all actors of the European Union to jointly create the preconditions for independence, diversity and autonomy in Europe's information infrastructure through an open index of the web.**

Read, share and sign the manifest for an open web index at <http://openwebindex.eu/>

Initiated by:

- Prof. Dr. Dirk Lewandowski, Hamburg University of Applied Sciences
- Prof. Dr. Volker Grassmuck, Leuphana University of Lüneburg
- Dr. Philipp Mayr, GESIS – Leibniz-Institute for the Social Sciences
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- René König, Karlsruhe Institute of Technology

# The Perfect Medium User

"Great writing deserves a great audience." —Medium

## A

Adventurous but not un-curated  
Anxious but not without a support system  
Argumentative but not willing to burn bridges  
Athletic but not without the right gear

## B

Brand partnerships but not poorly executed  
Buddhist but not religious

## C

Charismatic but not born that way  
Complicit but not cynical  
Creative but not an artist  
Culture fit but not conformist

## D

Disruptive but not to power structures  
Dogmatic but not judgmental

**E**

Earnest but not self-aware

Educated but not academic

Efficient but not utilitarian

Emotional but not nuanced

Empathetic but not without trumpeting it

Executive but not authoritarian

Experimental but not avant-garde

Extravagant but not without having earned it

**F**

Fun-loving but not spontaneous

**G**

Greedy but not outwardly-so

**H**

Hacker but not really a coder

Hard-working but not on something that matters

Humorous but not funny

**I**

Idealistic but not too idealistic

In touch with nature but not during the work week

Independent but not without plenty of savings



Inoffensive but not safe for work  
Inspirational but not with any follow-through  
Interested but not enough hours in the day  
Interspersed with professional content but not elevated by it

## **J**

Juvenile but not a bro

## **K**

Kindle but not over print

## **L**

Libertarian but not into the singularity  
Longform but not substantial

## **M**

Male but not proud of it  
Mansplaining but not without qualification

## **N**

Navel-gazing but not without takeaways  
NDA'd but not in stealth mode  
Nomadic but not without a Macbook

**O**

Opportunistic but not even trying  
Overwhelmed but not in danger

**P**

Perfect recommendation but not without a referral link  
Persuasive but not lasting  
Press release but not formal  
Privileged but not doing anything about it

**Q**

Quirky but not insolvent

**R**

Rational but not without an anecdote  
Rich but not relatively

**S**

Self-involved but not egomaniacal  
Self-promoting but not without full disclosure  
Selling something but not to everyone  
Shared but not read yet  
Sponsored content but not banner ads  
Straight but not homophobic  
Successful but not without precedent

**T**

Transparent but not legible

**U**

Unique but not too different  
Unpolished but not off-the-cuff

**V**

Vain but not anyone's fault in this day and age

**W**

Well-meaning but not going to happen  
White but not without heritage  
Worldly but not actually cultured

**X**

Xenophobic but not against immigration reform

**Y**

Young but not youthful

**Z**

Zen but not outside the office

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Thanks to Anne Libby.

Source: <https://medium.com/@caseyg/the-perfect-medium-user-4d2082cc495#.sfzyy8lqz>



## **Part IV**

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**Swedish Piratpartiet** - author of the *Uppsala Declaration* (2008).

**Dave Thomas** - co-author of the *Manifesto for Agile Software Development* (2001).

**Danja Vasiliev** - artist, co-author of the *Critical Engineering Manifesto* (2011) and the *CryptoParty Manifesto* (2012).

**VNS Matrix** - arts collective, author of the *Cyberfeminist Manifesto for the 21st Century* (1991).

**James Wallbank** - Coordinator of Redundant Technology Initiative. Author of the *Lowtech Manifesto* (1999) and the *Zero Dollar Laptop Manifesto* (2007).

**May Waver** - artist, co-author of the *cybertwee manifesto* (2014).

**David Weinberger** - co-author of *New Clues* (2015).

**WeRebuild** - collective, author of *The WeRebuild Manifesto* (2009).

**Asher Wolf** - co-author of the *CryptoParty Manifesto* (2012).

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