PSYCHEDELIC THINKING



HI, I'M TARA



BUTTHERE WAS A TIME WHEN I WASN'T SO JOHN



Depression is the leading cause of suicide in the UK and suicide is the leading cause of death for men under 50 and women aged 20- 34.

1/4

People will suffer from a mental health condition in any given year

70%

Of patients don't respond to existing medications

£105B N

Annual cost of mental illness in England

1 IN 10

Of every £ is spent on mental illness

AND IT'S NOT JUST THE UK THAT HAS A PROBLEM

1 BILLIC
Are suffering globally

Lost productivity as a result of two of the most common mental disorders, anxiety and depression, costs the global economy US\$ 1 trillion each year.



HISTORIC UNDERINVESTMENT IN MENTAL HEALTH NEEDS TO BE REDRESSED WITHOUT DELAY TO REDUCE **IMMENSE SUFFERING AMONG HUNDREDS OF MILLIONS OF PEOPLE** AND MITIGATE LONG-TERM SOCIAL AND **ECONOMIC COSTS TO SOCIETY."**

United Nations Policy Briefing

May 2020



YET... AT LAST THEREIS HOPE.

7

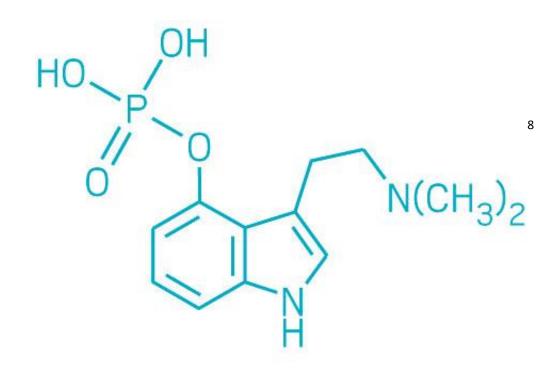
IN THE FORM OF A MOLECULE **NO ONE CAN** PRONOUNCE

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Trial of Psilocybin versus Escitalopram for Depression

Robin Carhart-Harris, Ph.D., Bruna Giribaldi, B.Sc., Rosalind Watts, D.Clin.Psy., Michelle Baker-Jones, B.A., Ashleigh Murphy-Beiner, M.Sc., Roberta Murphy, M.D., Jonny Martell, M.D., Allan Blemings, M.Sc., David Erritzoe, M.D., and David J. Nutt, M.D.

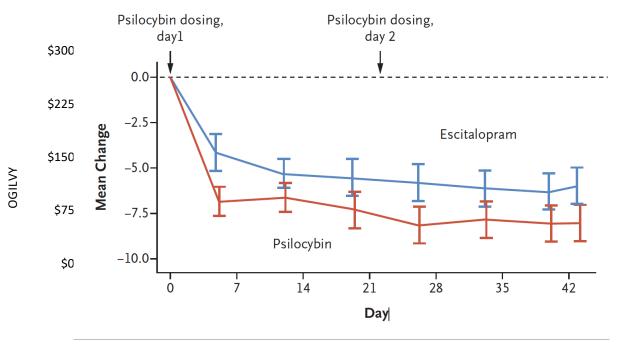


Psilocybin [sil-uh-sahy-bin]

FOUND IN A **MUSHROOM** THAT IS MORE THAN "MAGIC"...



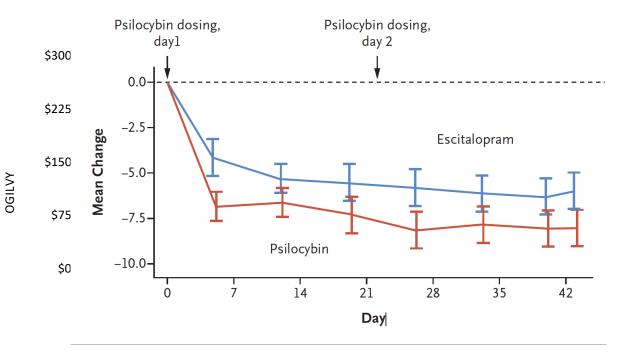
...IT'S SCIENCE



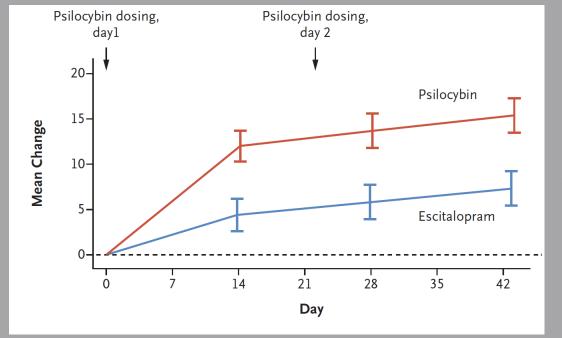
Against the leading SSRI antidepressant, escitalopram, psilocybin is faster acting and equally effective at reducing depressive symptoms

...IT'S SCIENCE

Change in Depression Severity and in Well-Being over 6 Weeks.



Against the leading SSRI antidepressant, escitalopram, psilocybin is faster acting and equally effective at reducing depressive symptoms



But, perhaps more importantly, psilocybin actually increases wellbeing rather than just medicating into numbness

THE MEDICAL EVIDENCE IS OVERWHELMING

Psilocybinassisted therapy heals the suicidal, sick and addicted **Treatment-Resistant Depression:** Significant decreases in depression measured for 6 months (Carhart- Harris et al, 2016)

End of Life Distress: 80% experienced significant reduction in treatment for end-of-life anxiety in cancer patients (Ross et al, 2016)

Chronic Tobacco Addiction: 80% patients abstinent at 6 month follow-up (Johnson et al, 2014)

Alcohol dependence: Significant decrease in drinking behaviours for up to 9 months (Bogenschutz et al (2015)

INTHEUKTHIS MEDICINEIS CURRENTLY DENIEDTOUS BY LAW.

CLASSIFICATION

What happens when you possess an illegal drug

A)Up to 7 years in prison or an unlimited fine (or both)

Cocaine, Opium, MDMA, Psilocybin, LSD,

Morphine, Ketamine, Amphetamine

- **B)** Up to 5 years in prison or an unlimited fine (or both)

 Cannabis, amphetamines, ketamine
- **C)** Up to 2 years in prison or an unlimited fine (or both) **Anabolic steroids, GHB some tranquilizers**

CLASSIFICATION

What happens when you possess an illegal drug

A)Up to 7 years in prison or an unlimited fine (or both) Cocaine, Opium, MDMA, Psilocybin, LSD, Morphine, Ketamine, Amphetamine

B) Up to 5 years in prison or an unlimited fine (or both) Cannabis, amphetamines, ketamine

C) Up to 2 years in prison or an unlimited fine (or both) Anabolic steroids, GHB some tranquilizers

SCHEDULING

Can a medical professional or researcher access a substance

1: Drugs with little or no therapeutic value, are addictive and have high potential for abuse.

Cocaine, Opium, MDMA, Psilocybin, LSD,

II: Drugs with recognized therapeutic value but are addictive and have a high potential for abuse. Use is highly controlled.. Scientific research is permitted with a license Morphine, Ketamine, Amphetamine

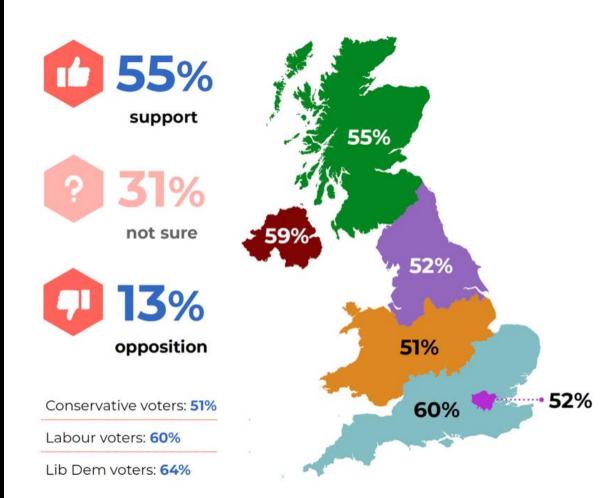
15

III. Less potential for abuse... Barbituates, codeine, anabolic steroids

AFTER 50 YEARS OF PROHIBITION - IS THE UK READY TO RESCHEDULE PSILOCYBIN FOR THERAPEUTIC USE?

ALMOST!

To what extent would you support or oppose the government relaxing restrictions on research into the medical use of magic mushroombased treatments (psilocybin-assisted therapies) for mental health conditions if this didn't affect how it was classified in criminal law (e.g. as a class A drug)?



BUT NOT FAST ENOUGH FOR THE 18 PEOPLE WHO COMMIT SUICIDE HERE EVERY DAY

THAT'S WHERE OUR CONSORTIUMCO MES IN







19

THE INTERNATIONAL CAMPAIGN



MEDICINE

21

I WANT TO TALK **ABOUT** PSYCHEDELIC PROPERTY OF THE PR

THINKING

MORE CREATIVE

MORE PERSUASIVE

MORE FREE

WHAT COLOUR ARE THE STRAWBERRIES?

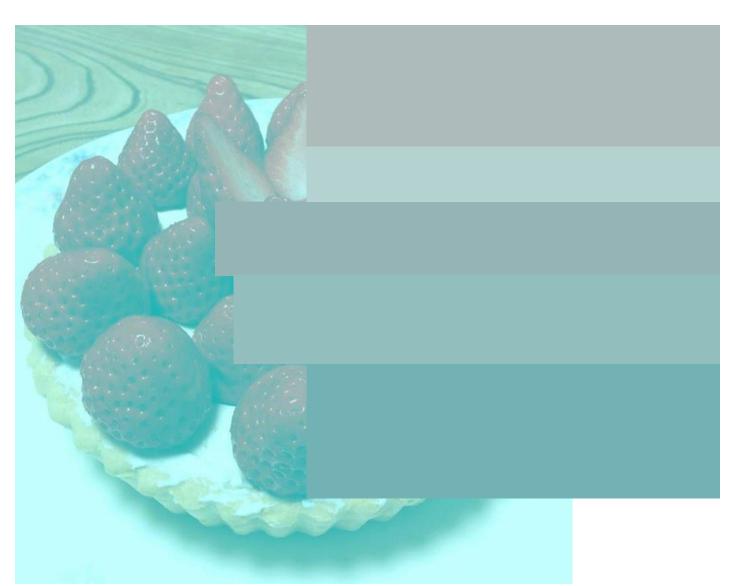


WHAT COLOUR IS THE COKE?



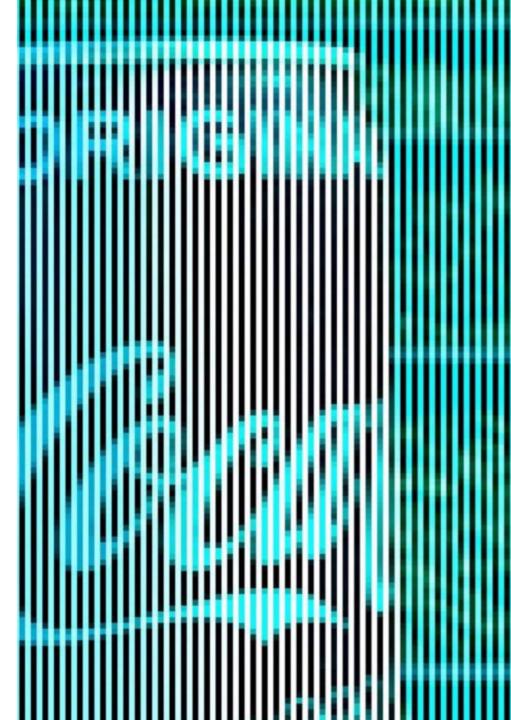


THERE IS NO RED HERE



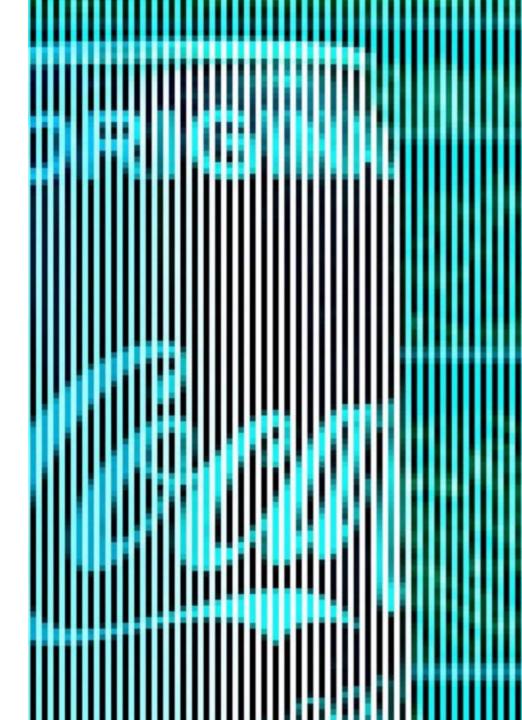






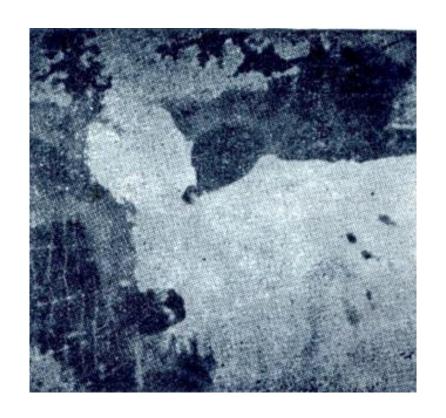
HONESTLY, I PROMISE











30

Source: Karl Dallenbach.

SEE ANYTHING?

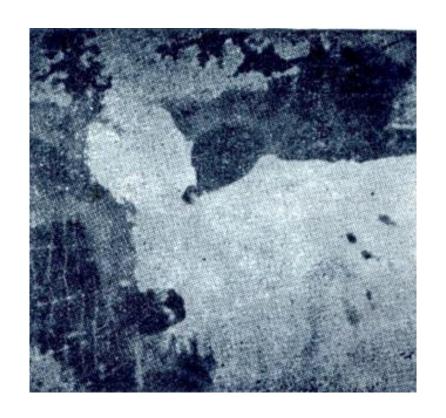


31

Source: Karl Dallenbach.

32

HOW ABOUT NOW?



Source: Karl Dallenbach.

TAKE A LOOK AT THESE **WORDS**

• Table

Couch

• Legs

Stool

Wood

Cushion

33

• Sitting

Rocking

• Arm

Seat

REMEMBER?

WHAT WORDS

DO YOU

WHERE IS CHAIR?

Table

Couch

Legs

Stool

Wood

Cushion

35

• Sitting

Rocking

• Arm

Seat

OGILVY

THINKING IS TO HUMANS AS SWIMMING IS TO CATS, THEY CAN DO IT BUT THEY PREFER NOT TO

Daniel Kahneman

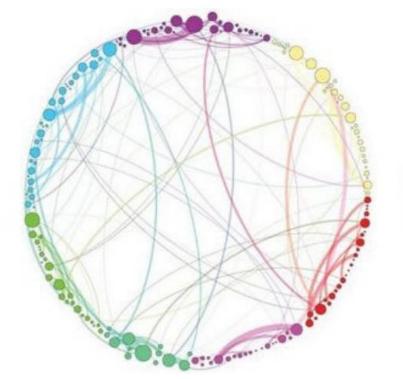




PSYCHEDELIC THINKING

PLACEBO

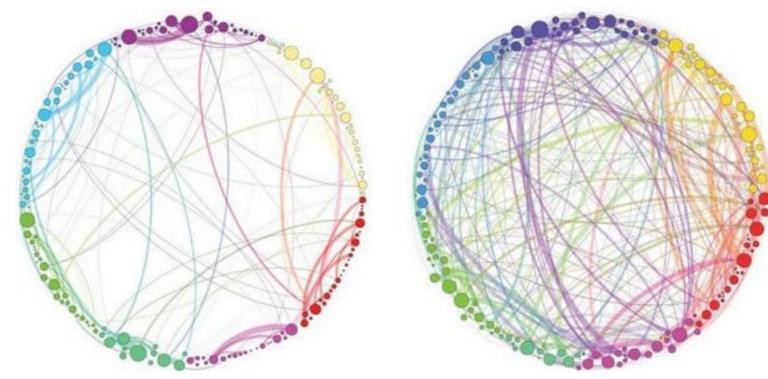
39



PSYCHEDELIC THINKING

PLACEBO

PSILOCYBIN



Source: Petri et. al. *Homological scaffolds of brain functional networks,* Journal of the Royal Society December 2014

BUT WHAT CAN WE DO TARA?

TIME TO GO LATERAL

31. Owl

TIME TO GO LATERAL

Find the word corresponding to your birthday date



1. Swan	2. Train	3. Camel	4. Candle	5. Planet	6. Pyramid	7. Rainbow	8. Shell	9. Axe	10. Eye
11. Flea	12. Circus	13. Chain	14. Goat	15. Guitar	16. Carpet	17. Penguin	18. Jigsaw	19. Cork	20. Woodpecker
21. Worm	22. Tennis	23. Rose	24. Sand	25. Castle	26. Bed	27. Soap	28. Rabbit	29. Tree	30. Cloud

TIME TO GO LATERAL HOW DO WE GET PEOPLE TO EAT THEIR LEFTOVERS?

THE MAN WHO CANNOT IMAGINE A HORSE GALLOPING ON A TOMATO IS AN IDIOT

André Breton



TIME TO GO LATERAL

Find the word corresponding to your birthday date



1. Swan	2. Train	3. Camel	4. Candle	5. Planet	6. Pyramid	7. Rainbow	8. Shell	9. Axe	10. Eye
11. Flea	12. Circus	13. Chain	14. Goat	15. Guitar	16. Carpet	17. Penguin	18. Jigsaw	19. Cork	20. Woodpecker
21. Worm	22. Tennis	23. Rose	24. Sand	25. Castle	26. Bed	27. Soap	28. Rabbit	29. Tree	30. Cloud

31. Owl

MORE CREATIVE

MAKE SOME NEW, CRAZIER CONNECTIONS

MORE CREATIVE

MORE PERSUASIVE

MAKE SOME NEW, CRAZIER CONNECTIONS

We remember 3 times as many concrete phrases as abstract ones



Concrete Phrases (CC)
square door
rusty engine
flaming forest
muscular gentleman
white horse
crippled judge
young mother
hungry prisoner
round temple
muddy village

Abstract Phrases (AA) impossible amount better excuse apparent fact common fate subtle fault available knowledge rational method particular soul basic theory absolute truth

ABSTRACT

CONCRETE

We will employ a Draconian immigration policy

We will build a wall

We will engage in combat in our coastal areas

We will fight them on the beaches

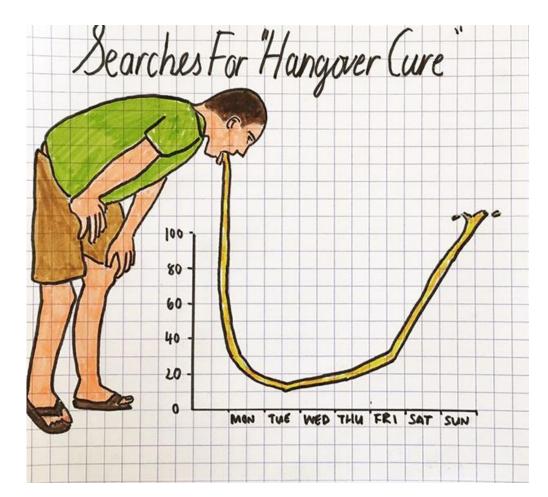
Category E

You wouldn't put it on a dog kennel



BUTWHAT CAN WE DO TARA?

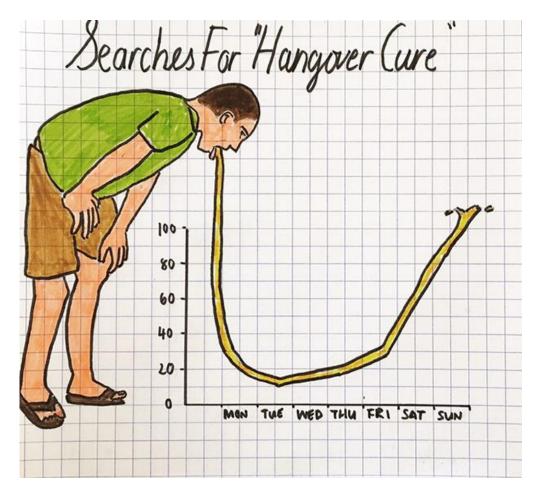
VISUALISATION MATTERS



54

Source: Mona Chalabi

VISUALISATION MATTERS





Source: Mona Chalabi

IF IT'S ABOUT FARTS, DRAW A BUTT FOR GOD'S SAKES. IF IT'S ABOUT SEXUAL HARASSMENT, THEN DRAW SOME PERVS. I THINK DATA PURISTS THINK THAT CHARTS SHOULD BE NEUTRAL, THAT THEY SHOULD ILLICIT NO EMOTION BUT I THINK THAT'S A MISTAKEN UNDERSTANDING OF OBJECTIVITY.

Mona Chalabi



"PLATE NOT **PYRAMID"**

- Cass Sunstein





57



MORE CREATIVE

MAKE SOME NEW, CRAZIER CONNECTIONS

MORE PERSUASIVE



MORE

CREATIVE

MAKE SOME NEW, **CRAZIER CONNECTIONS**

MORE PERSUASIVE SHOW THEIR 66 TO SHOW THEIR

MORE FREE







COat

actor



BUTWHAT CAN WE DO TARA?

WHERE ARE YOUR HANDS?

OGILVY

WHEREAREYOUR HANDS? ARE YOUR HANDS?

69

REINFORCE YOUR AGENCY

"I can't eat chocolate cake"



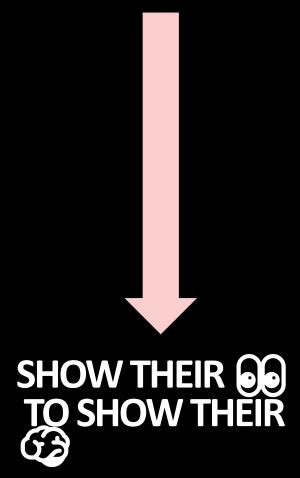
"I don't eat chocolate cake"

MORE

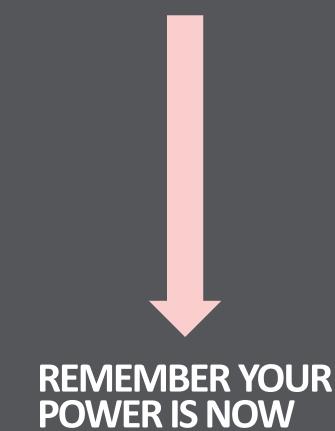
CREATIVE

MAKE SOME NEW, **CRAZIER CONNECTIONS**

MORE PERSUASIVE



MORE FREE



FREE TO BE JOLLY







WHY SLEEP?



- An adult sleeping only 6.75 hours a night would be predicted to live only to their early 60s without medical intervention.
- After just one night of only four or five hours' sleep, your natural killer cells – the ones that attack the cancer cells that appear in your body every day – drop by 70%
- A 2013 study reported that men who slept too little had a sperm count 29% lower than those who regularly get a full and restful night's sleep.
- After being awake for 19 hours, you're as cognitively impaired as someone who is drunk
- Practice + sleep makes perfect

THE "BUT YOU ARE FREE" EFFECT

Reassuring people that they are free to refuse a choice or an option can inversely increase the chances of acceptance by affirming their agency and control. From a group of 22,000 people, participants were 50% more likely to agree to a request if this technique was employed

THE FUNDAMENTAL **MISATTRIBUTION ERROR**

SORRY I'M LATE HIM HE'S SO CARELESS YOU

THE GOVERNMENT REALLY NEEDS TO DO SOMETHING ABOUT THE **TRAFFIC**

YOU

77