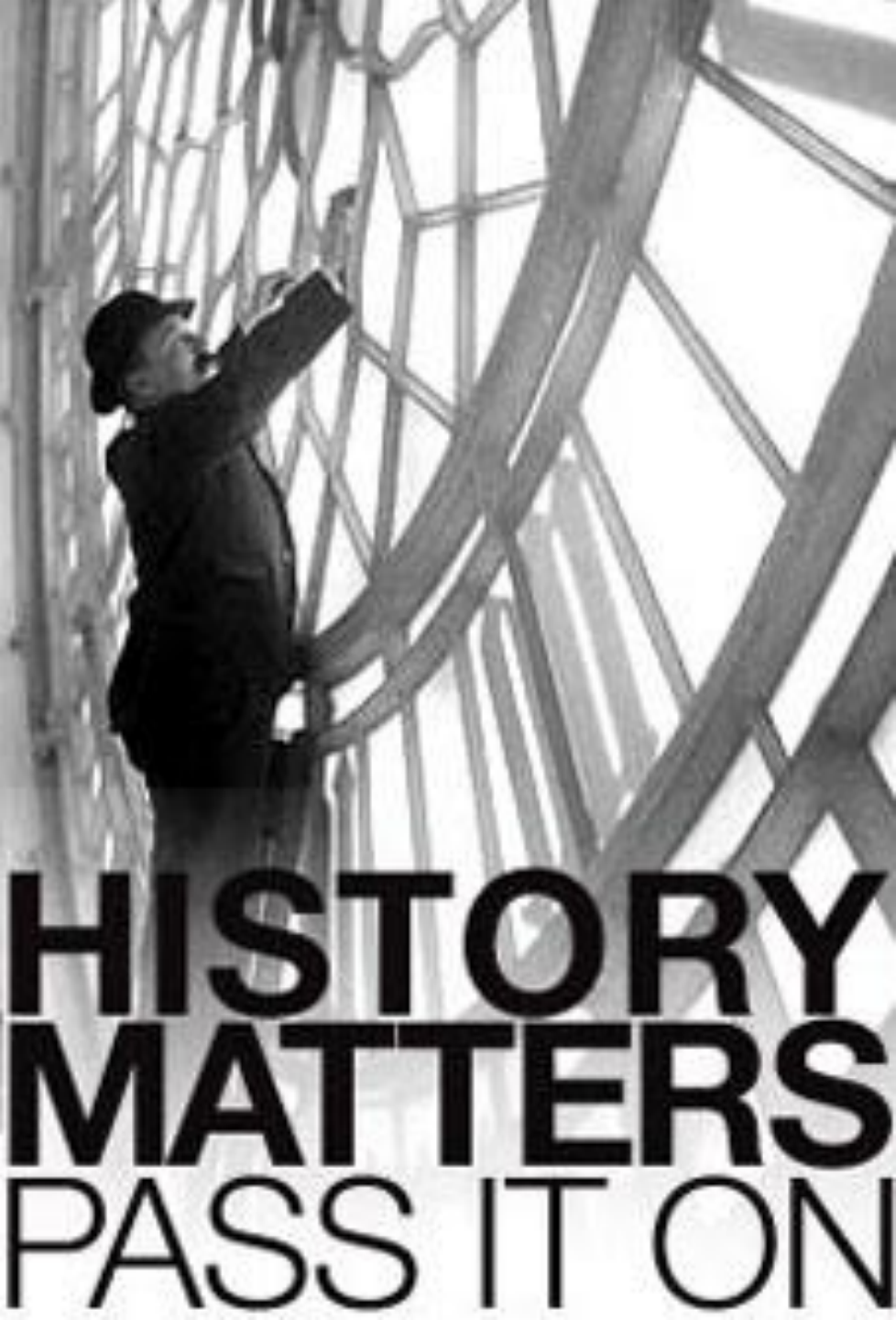
The background of the slide is a stylized map of the United States. The map is rendered in a light yellow color, with the outlines of the states and major water bodies. The map is set against a background of various shades of pink and purple, which are also used to fill some of the landmasses. The overall aesthetic is soft and artistic.

How will current psychiatric practices
be seen in the future?

Anne Harrington

Harvard University



*When our present
has become the
past...*

*What stories will be
told of our time?*

STORY #1:
A TIME OF UPHEAVAL

A white, torn-paper-like border runs along the bottom edge of the image, starting from the left and curving upwards towards the right. The background is solid black.

THE CONVERSATION

Academic rigor, journalistic flair

🔍 Search analysis, research, academics...

[COVID-19](#) [Arts + Culture](#) [Economy + Business](#) [Education](#) [Environment + Energy](#) [Ethics + Religion](#) [Health](#) [Politics + Society](#) [Science + Technology](#)



COVID-19's parallel pandemic: Why we need a mental health 'vaccine'

March 23, 2021 1:49pm EDT

Mental health and psychosocial considerations during the COVID-19 outbreak

18 March 2020

In January 2020 the World Health Organization (WHO) declared the outbreak of a new coronavirus disease, COVID-19, to be a Public Health Emergency of International Concern. WHO stated that there is a high risk of COVID-19 spreading to other countries around the world. In March 2020, WHO made the assessment that COVID-19 can be characterized as a pandemic.

WHO and public health authorities around the world are acting to contain the COVID-19 outbreak. However, this time of crisis is generating stress throughout the population. The considerations presented in this document have been developed by the WHO Department of Mental Health and Substance Use as a series of messages that can be used in communications to support mental and psychosocial well-being in different target groups during the outbreak.

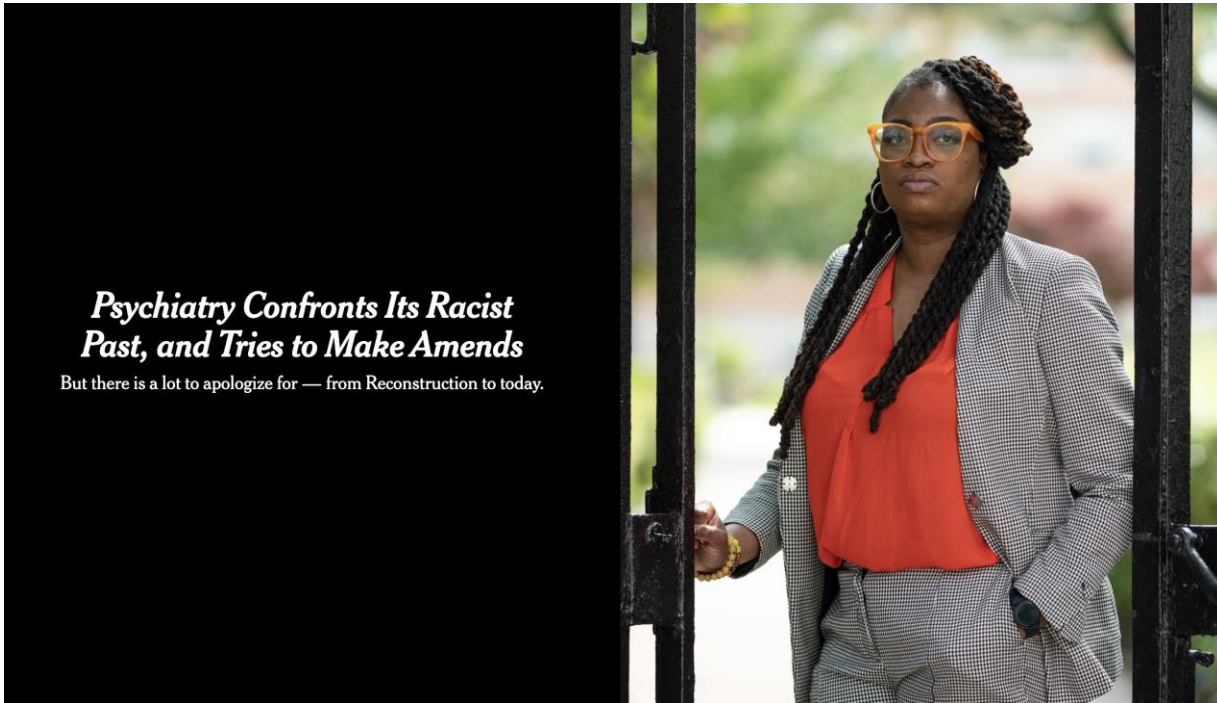
There's Always Been A Shortage Of Therapists. The Pandemic Made It Worse

ELIZABETH GULINO

LAST UPDATED MAY 20, 2021, 1:44 PM



In April, [a TikTok](#) came across my for you page that stopped me in my tracks. In it, [Jessica Macnair, LPC](#), a therapist based in Washington, D.C., was begging people to consider studying to become a licensed therapist. “We need more qualified clinicians in our field,” she urged viewers in her video. “We are absolutely drowning.”



Psychiatry Confronts Its Racist Past, and Tries to Make Amends

But there is a lot to apologize for — from Reconstruction to today.

By Judith Warner

Published April 30, 2021 Updated May 21, 2021

The New York Times

Andrew Gregory Health editor

Thu 9 Sep 2021 14.44 EDT

Third of BAME staff in NHS mental health services face racist abuse at work

NHS England leaders urged to tackle issue after survey finds one in three have experienced harassment, bullying and attacks



📷 The Royal College of Psychiatrists said the findings were 'deeply concerning'. Photograph: Johnny Greig/Alamy Stock Photo

NHS leaders are being urged to tackle racist abuse of staff as new figures reveal that a third of black, Asian or minority ethnic workers in mental health trusts in [England](#) have experienced harassment, bullying or attacks by patients, relatives or members of the public.



2021 Meeting Theme

Finding Equity Through Advances in **Mind & Brain** in **Unsettled Times**

The COVID-19 pandemic has exacted a heavy toll. It has also laid bare many of the historic inequalities that have persisted in our society—issues that have predated the pandemic and will carry on beyond it.

In these unsettled times, we are presented with an unparalleled opportunity to address disparities in health care delivery and pursue a meaningful and equitable future for our patients and the field of psychiatry. This work is critical as we face a pandemic of mental illness that will persist long after COVID-19 infections subside. To move forward, we must place an emphasis on increasing the quality of treatment, while continuing to work on eliminating the barriers that prevent patients from accessing mental health and substance use services.

The scientific program for the 2021 Annual Meeting will examine the concept of equity in all its forms, through the conceptual lenses of both the mind & the brain. From disparities across the provision of health care to people of different races, to how patients with mental illness are treated compared to patients with other health issues, to how the flaws in our nation's mental health care system exacerbate these issues—the more we understand both the interplay of the mind and the brain—the better we will be able to determine appropriate treatments for our patients and assert the position of psychiatry in medicine.

Why the APA's apology for promoting white supremacy falls short

While the mea culpa details many of the past racist practices in psychology, it largely omits a key portion of this history.



Patients at Crownsville State Hospital psychiatric hospital, formerly Hospital for the Negro Insane of Maryland, in Crownsville, Md., in 1947.

Afro American Newspapers / Gado / Getty Images

Review

Neurological manifestations of COVID-19: a systematic review and detailed comprehension

Zeina Hassan Ousseiran, Youssef Fares & Wafaa Takash Chamoun

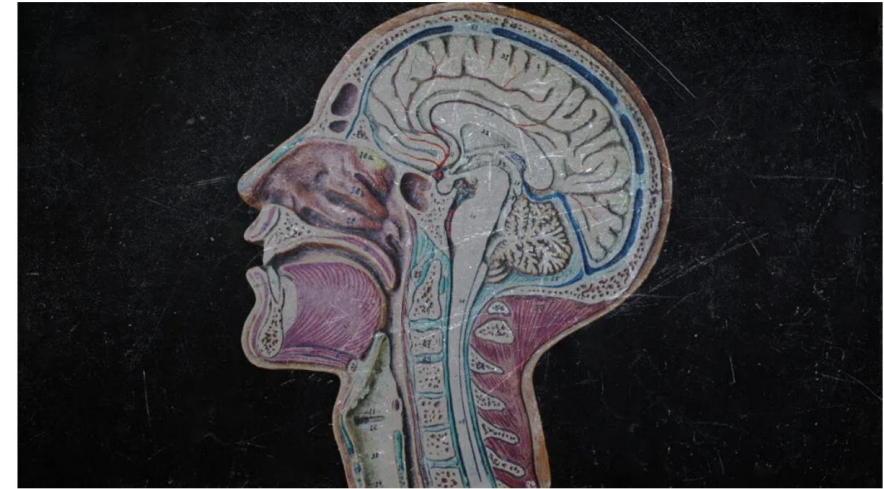
Received 14 Jun 2021, Accepted 16 Aug 2021, Accepted author version posted online: 25 Aug 2021, Published online: 27 Sep 2021

Review > Brain Behav Immun. 2020 Jul;87:34–39. doi: 10.1016/j.bbi.2020.04.027.
Epub 2020 Apr 13.

Are we facing a crashing wave of neuropsychiatric sequelae of COVID-19? Neuropsychiatric symptoms and potential immunologic mechanisms

Emily A Troyer¹, Jordan N Kohn², Suzi Hong³

Study reveals acute effects of severe COVID-19 on the brain



In people with severe COVID-19, central nervous system complications may be more common than initially estimated. Mental Art + Design/Stocksy

- A large international study suggests that around 1 in every 100 patients hospitalized with COVID-19 have brain complications.
- These include **stroke**, brain hemorrhage, and other potentially fatal conditions.
- Many of the patients had preexisting illnesses, such as high **blood pressure**, **heart disease**, and **diabetes**.
- Previous research has shown that some people who recover from COVID-19 have lingering neurological and psychiatric symptoms.

As the COVID-19 pandemic wears on, experts increasingly recognize that SARS-CoV-2, the virus that causes the disease, affects areas beyond the lungs. It can also infect the kidneys, gut, and blood vessels, for example.

In addition, COVID-19 can cause a range of **neurological and psychiatric symptoms**.

STORY #2:

A TIME OF RECALIBRATION

**Therapy and insurance:
This book is the latest word**

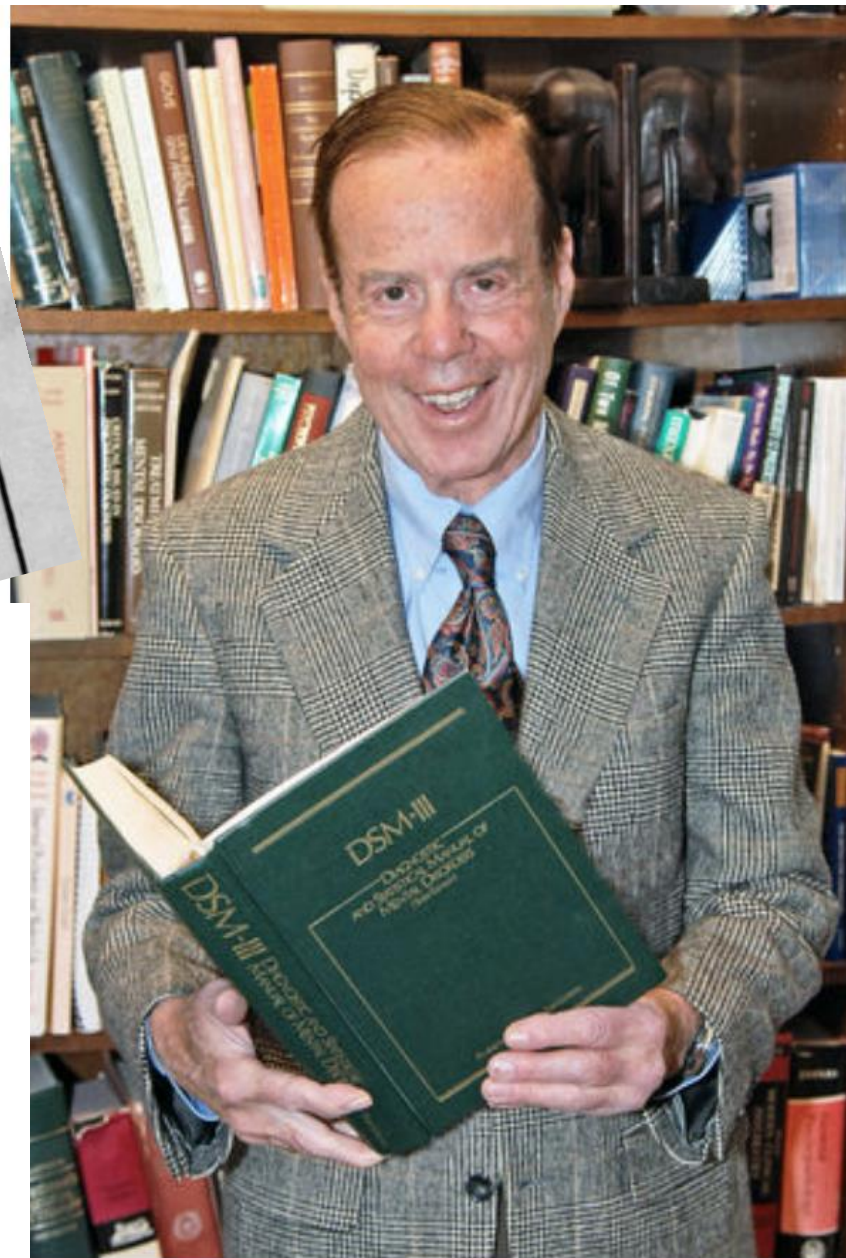
By **DARRELL SIFFORD**

The name of the book is Diagnostic and Statistical Manual of Mental Disorders and, while you may never have seen a copy or even heard of the book determines to a great extent if your insurance will pay all, or none of the bill from your the

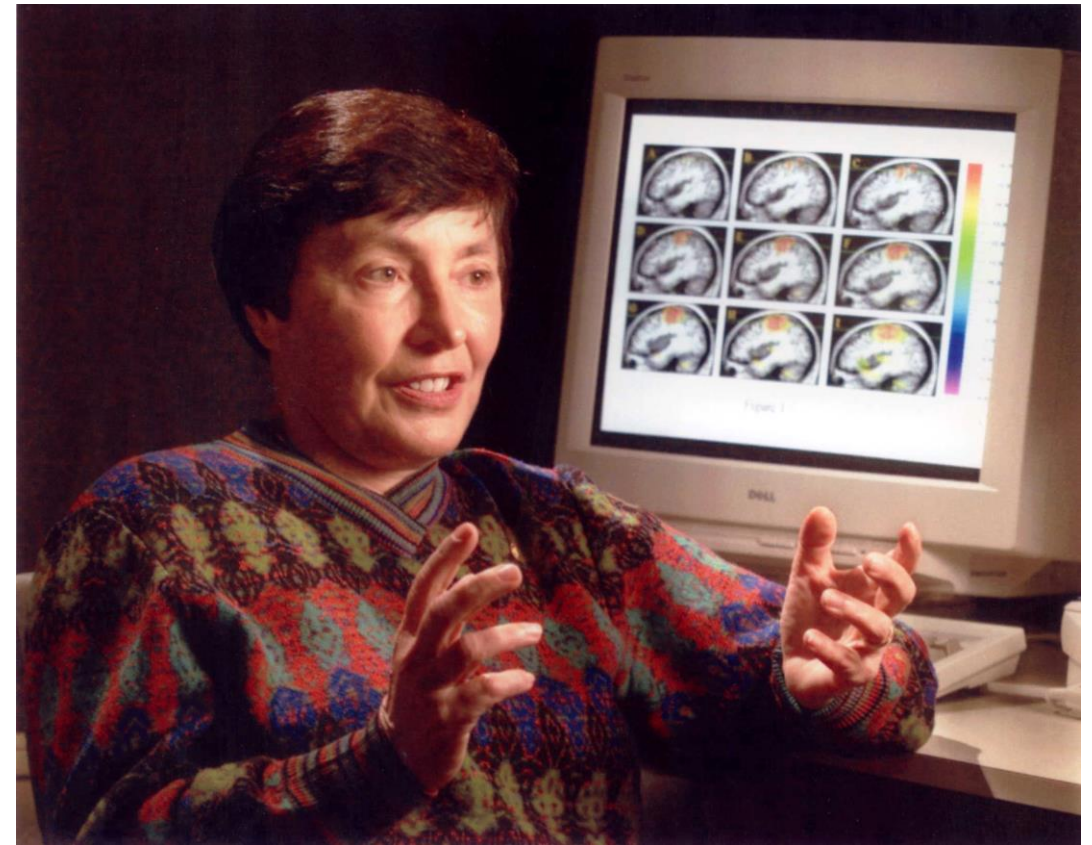
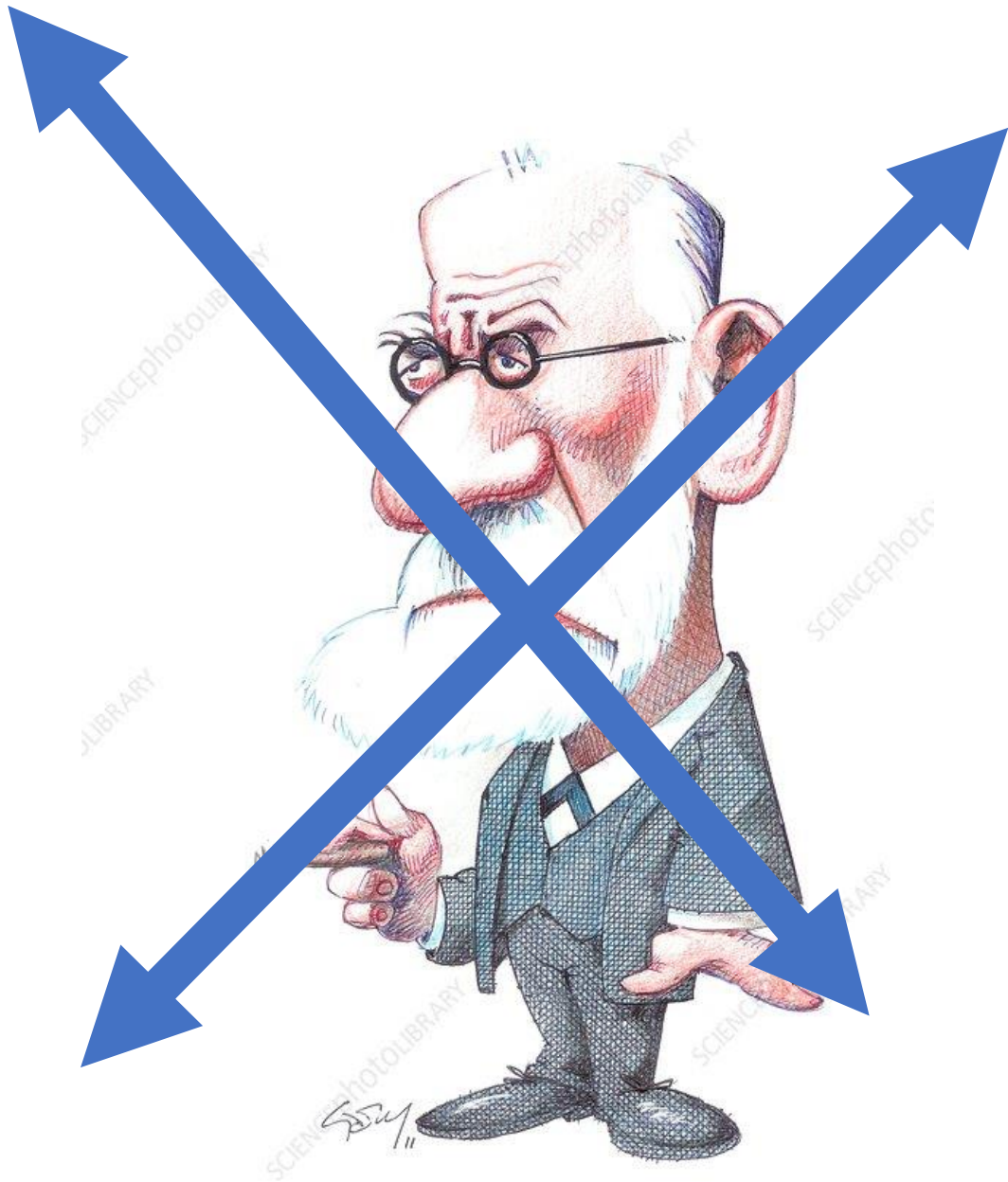
Psychiatric Bible

*Bringing
Order to
Disorders*

By ANNE C. ROARK,
Times Staff Writer



Source: Columbia University



“Psychiatry, the prodigal son, has returned home to its place as a specialty within the field of medicine”

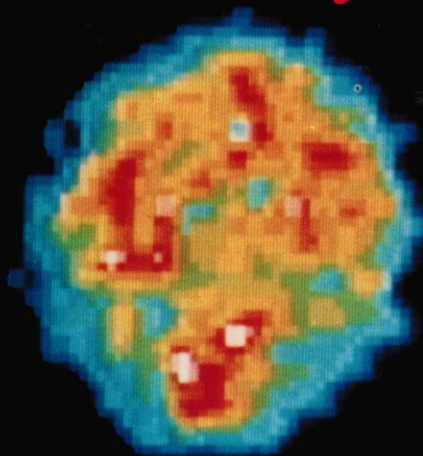
Nancy Andreasen, 1989

PL 1272

"Her book will be especially valuable to anyone who knows someone afflicted with a mental illness."
—*New York Times Book Review*

THE BROKEN BRAIN

*The Biological
Revolution in Psychiatry*



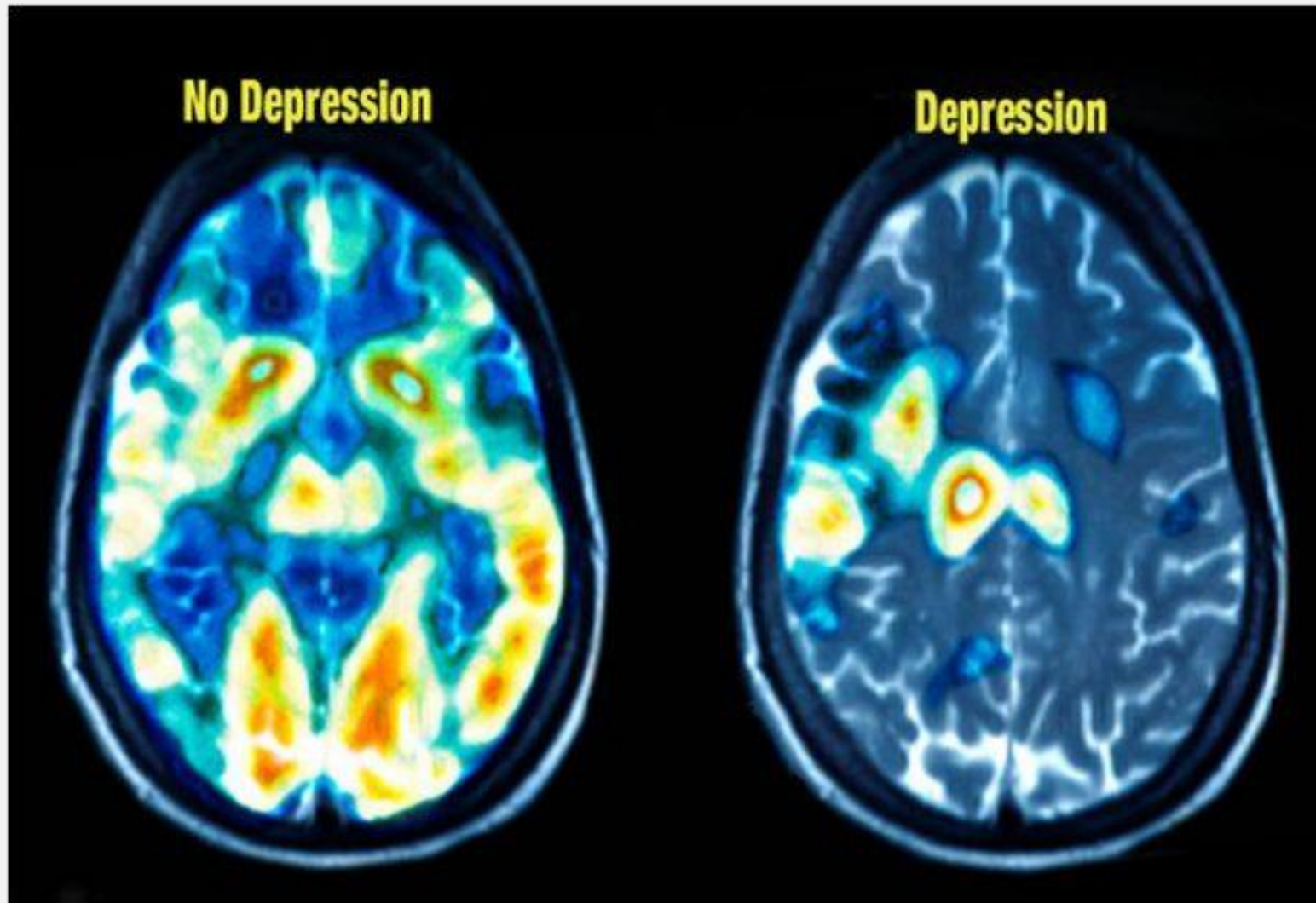
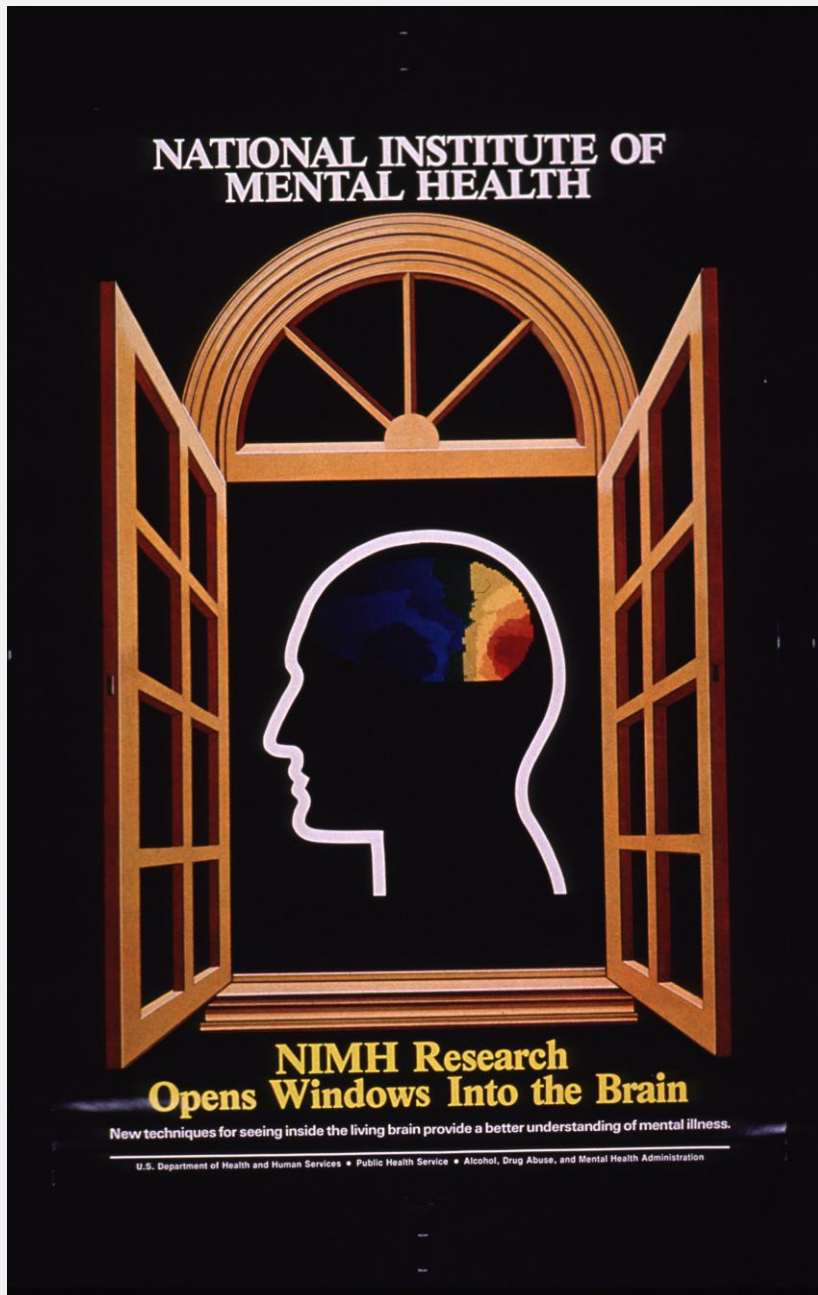
NANCY C. ANDREASEN, M.D., Ph.D.



"Decade of the Brain" resolution with (l-r) Sen. Pete Domenici (R-NM), Sen. Donald Riegle, Jr. (D-MI) and Sen. Silvio Conte (R-MA, sponsor of the bill).

1990 Begins the Decade of the Brain





“A tremendous new vista” --Herbert Pardes,
NIMH Director, in 1981



“During the so-called Decade of the Brain, there was neither a marked increase in the rate of recovery from mental illness, nor a detectable decrease in suicide or homelessness—each of which is associated with a failure to recover from mental illness.” – Tom Insel, director of the NIMH, 2010

Manic-depression caused by gene, study indicates
Richard Saltus Globe Staff
Boston Globe (1960-1988); Feb 26, 1987; ProQuest Historical Newspapers: The Bos
pg. 1

Manic-depression caused by gene, study indicates

By Richard Saltus
Globe Staff

Scientists today reported that a gene inherited through generations of Pennsylvania Amish is the major cause of manic-depression afflicting certain families of the rural sect, yielding the strongest evidence yet for a genetic basis of one of the common mental illnesses.

The finding has the potential to improve diagnosis and treatment of manic-depression, a disorder marked by violent mood swings. It affects an estimated 1 million to 2 million Americans.

1987

Researchers hunting sites of manic-depression genes
Chicago Tribune (1963-1996); Apr 3, 1996; ProQuest Historical Newspapers: Chicago Tribune
pg. 7

Researchers hunting sites of manic-depression genes

Scientists who launched an all-points search for manic-depression genes say they've found five possible hiding spots.

Further work might reveal the genes themselves, a step toward finding better treatments for a condition that strikes 1 percent to 2 percent of Americans at some point in their lives.

Scientists have strong evidence that genes play a role in making people vulnerable to the disorder, but so far no gene has been identified.

1996

5 Disorders Share Genetic Risk Factors, Study Finds

By GINA KOLATA

The psychiatric illnesses seem very different — schizophrenia, bipolar disorder, autism, major depression and attention deficit hyperactivity disorder. Yet they share several genetic glitches that can nudge the brain along a path to mental illness, researchers report. Which disease, if any, develops is thought to depend on other genetic or environmental factors.

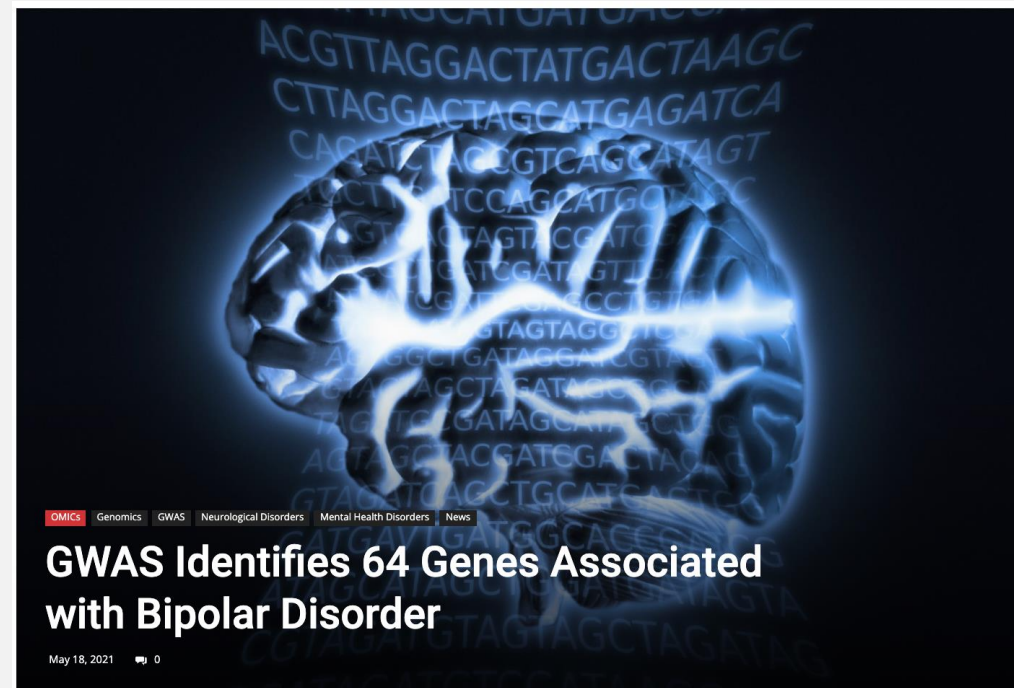
Blocked due to copyright.
See full page image or

Autism, for example, was once called childhood schizophrenia. It was not until the 1970s that autism was distinguished as a separate disorder.

But Dr. Sebat, who did not work on the new study, said that until now it was not clear whether the rare families he and others had studied were an exception or whether they were pointing to a rule about multiple disorders arising from a single genetic glitch.

*No one had systematically looked at

2013



OMICS Genomics GWAS Neurological Disorders Mental Health Disorders News

GWAS Identifies 64 Genes Associated with Bipolar Disorder

May 18, 2021 0

2021



TIME

PILLS FOR THE MIND

How new
drugs that treat
**MENTAL
ILLNESS**
are helping people
like Kevin Buchberger
come out from
the darkness





“disturbed wards have virtually disappeared”¹

Many hospitals have found that

THORAZINE*

- makes patients accessible and receptive to psychotherapy
- reduces or eliminates the need for restraint and seclusion
- improves ward morale
- speeds release of hospitalized patients
- reduces destruction of personal and hospital property
- reduces need for shock therapy and lobotomy
- increases capacity of hospital to serve more patients than ever before

¹Thorazine[®] is available in ampuls, tablets and syrup (as the hydrochloride), and in suppositories (as the base).

Smith, Kline & French Laboratories, Philadelphia

¹ Overholser, W.: in Chlorpromazine and Mental Health, Philadelphia, Lea & Febiger, 1955.
*T.M. Reg. U.S. Pat. Off. for chlorpromazine, S.K.F.

Chlorpromazine, (US approved as an antipsychotic, 1954)

Miltown dispels your patient's fears and frustrations—the anxiety behind the tension.

Relieves the anxiety behind the tension

Miltown not only calms the surface agitation of your nervous patient. It also helps you dispel the underlying fears and frustrations—the anxiety behind the tension. And Miltown has few of the additional actions that you often find in many other tranquilizers. There are so

antihistaminic, antiemetic, anticholinergic or adrenergic effects. Furthermore, Miltown has a simple dosage schedule and does not produce cumulative effects, change in appetite or libido, ataxia, Parkinson-like symptoms, jaundice or agranulocytosis.

Miltown
MEPROBAMATE (MILTOWN)

Small dosage: One or two 400 mg. tablets U.S.
Pamphlet: 400 mg. scored tablets, 500 mg. suppository tablets or 100 mg. capsules—400 mg. scored tablets.

WALLACE LABORATORIES / New Brunswick, N.J.

Meprobamate, (US approved as an anxiolytic, 1958)

Tofranil is, today, the most widely used of all available antidepressant drugs. Indicative of its enormous impact on the treatment of depression are the approximately 700 published reports on Tofranil which have appeared in the literature. At the present time, more than two years after its formal introduction, the flow of clinical studies on Tofranil continues, attesting to the growing usefulness of this drug among both specialists and non-specialists in the treatment of all forms of depression.

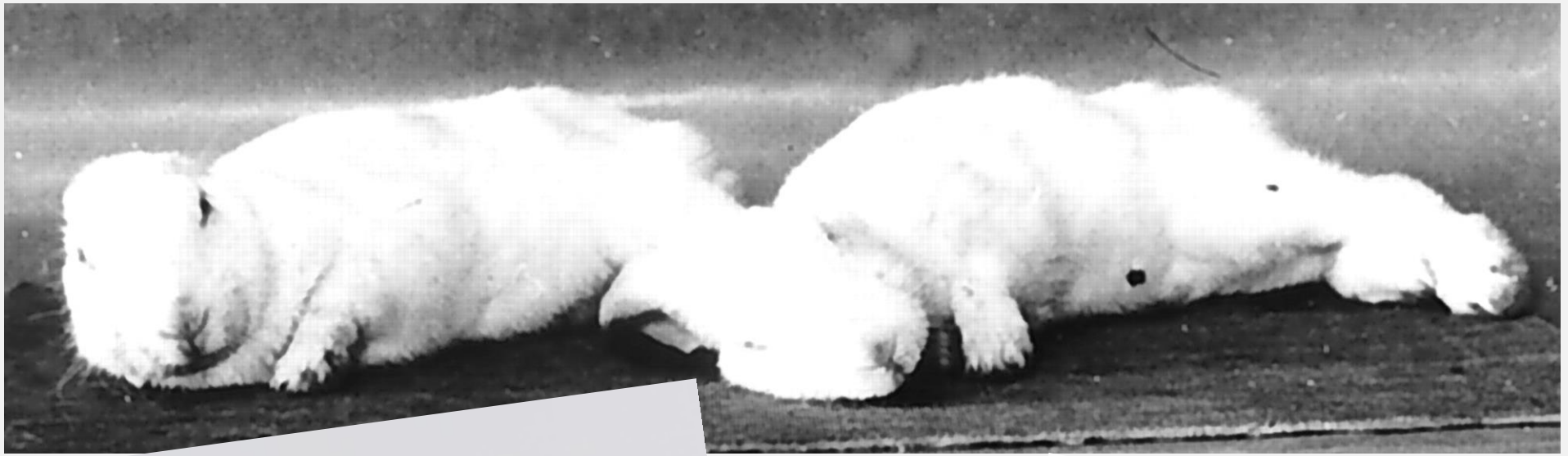
Most widely used... unsurpassed in clinical experience... primary reasons why Tofranil is now firmly established as a fundamental drug in the management of depression. Tofranil[®], brand of imipramine HCl; Tablets of 10 mg. for adolescent and geriatric patients and 25 mg. for other patients. Tofranil is a potent antidepressant drug. It is recommended that physicians familiarize themselves with the side effects, precautions, contraindications and dosage contained in the Tofranil Statement of Directions.

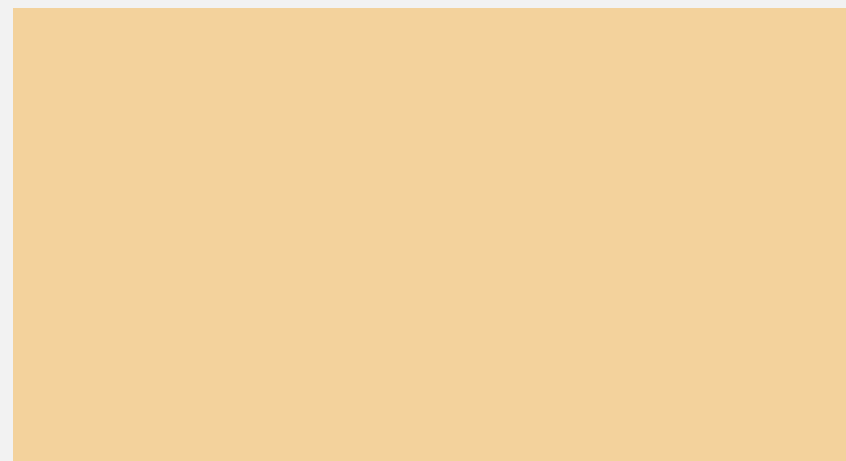
Geigy Pharmaceuticals
Division of Geigy Chemical Corporation, Ardsley, New York

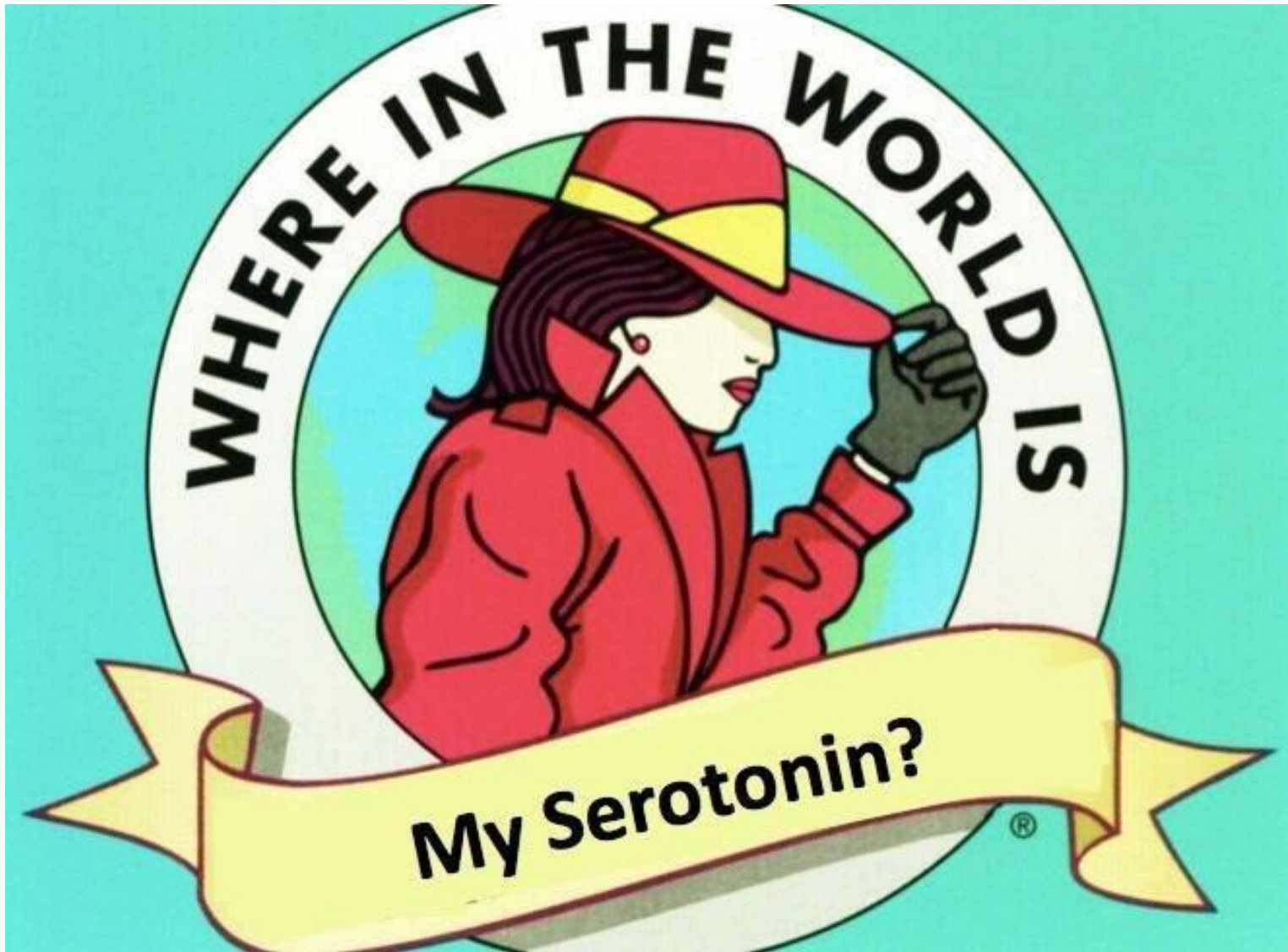
Tofranil[®]
Geigy

a fundamental drug in the management of depression

Imipramine, (US approved as an antidepressant, 1958)







“The past two decades have been a barren time for the discovery of novel drugs for psychiatric disorders, in particular those that could revolutionize disease treatment” (*Nature Review*, 2007)



Is Pharma Running Out of Brainy Ideas?

Recent cutbacks raise concerns about the future of drug development for nervous system disorders

51

Why 'big pharma' stopped searching for the next Prozac

Pharma giants have cut research on psychiatric medicine by 70% in 10 years, so where will the next 'wonder drug' come from?



▲ Even when trials of new drugs show promise in early stages they often fall at the final hurdle, reducing incentives for drugs companies to invest

**“BIOLOGY NEVER READ THAT BOOK”
(TOM INSEL, NIMH DIRECTOR, 2013)**

MONDAY, MAY 6, 2013 12:06 PM EDT

Beginning of the end of the DSM?

The National Institute of Mental Health has announced it will reorient its research away from DSM categories

JOHN HORGAN, SCIENTIFIC AMERICAN

MIND

Science Plays the Long Game. But People Have Mental Health Issues Now.

I've reported on behavior and mental health for 20 years. As I exit, I can't help but wonder why researchers have placed so little emphasis on helping people in distress today.

The New York Times



By **Benedict Carey**

April 1, 2021



VOICES

The original architects of DSM-III “were real heroes at the time...but totally wrong in a way they couldn’t have imagined. So in fact, what they produced was an absolute scientific nightmare.”

–Steven Hyman 2013*

**Former NIMH director, current Director of the Stanley Center for Psychiatric Research at the Broad Institute of MIT and Harvard*



VOICES

I am disappointed that we have never identified the “bipolar gene.” . . . I realize now how complicated it is and how naïve we were. Very good people are now looking for the genes, not a single gene. I am not going to be the one to find them, but it would be nice to know that there really are genes when patients ask, “Is this a genetic disorder?” and I can only say, “Well, we think so.”

– David Dunner, 2001*

**Professor Emeritus in the Department of Psychiatry and Behavioral Sciences at the University of Washington, Director of the Center for Anxiety and Depression, Mercer Island, WA*



VOICES

“I spent 13 years at NIMH really pushing on the neuroscience and genetics of mental disorders, and when I look back on that I realize that while I think I succeeded at getting lots of really cool papers published by cool scientists at fairly large costs—I think \$20 billion—I don’t think we moved the needle in reducing suicide, reducing hospitalizations, improving recovery for the tens of millions of people who have mental illness...I hold myself accountable for that.”
Thomas Insel, 2017*

** former director of the NIMH, cofounder of a digital mental health company named "Mindstrong," "Mental Health Czar" to the state of California*



STORY #3:
HOPE AND HYPE

A white, torn-paper-like border runs along the bottom edge of the image, separating the black background from the white text. The border has a jagged, irregular edge, resembling a piece of paper that has been torn.

The Psychedelic Revolution Is Coming. Psychiatry May Never Be the Same.

Psilocybin and MDMA are poised to be the hottest new therapeutics since Prozac. Universities want in, and so does Wall Street. Some worry a push to loosen access could bring unintended consequences.

By Andrew Jacobs

Published May 9, 2021 Updated Nov. 11, 2021



A dose of psilocybin, at the Center for Psychedelic and Consciousness Research at Johns Hopkins. Matt Roth for The New York Times

SPACED OUT!



11,000 youngsters go
drug crazy at Britain's
Acid party

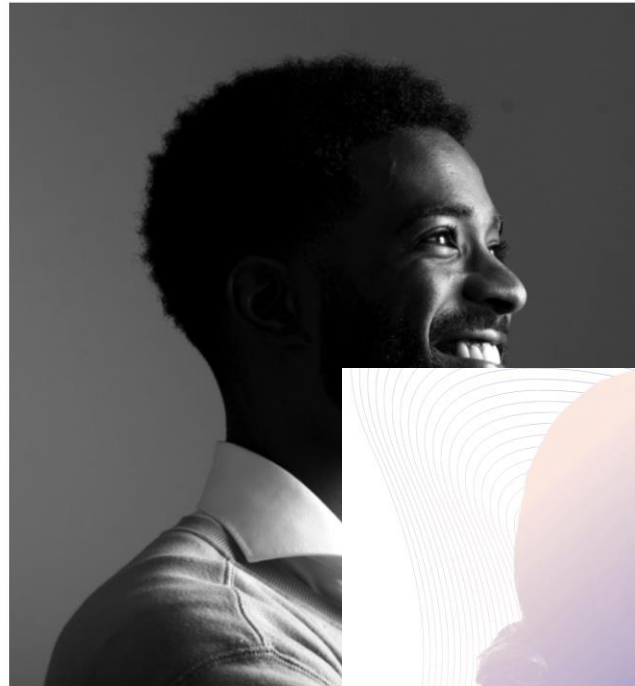
BRITAIN'S ACID PARTY!
11,000 youngsters go drug crazy at Britain's Acid party



Redefining how the world approaches, prevents, and heals mental health disorders.


We are a biotechnology company pioneering mental health innovation. We are committed to developing more effective and potentially disease-modifying mental health treatments by researching both psychedelic and non-psychedelic compounds.

LEARN MORE



03/30/21
MindMed Announces 2020 Year-End Financial Results; Current Cash Balance of \$161 million...



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Mission + Model Programs + People + News & Insights

SO



Breakthrough Mental Healing

We help patients unlock the healing power of the mind through **Psychedelic Inspired Medicines & Experiential Therapies.**

Together we can overcome.



“If psychedelic-assisted therapy proves as effective as early trials suggest it might, it will be because it succeeds in rejoining the brain and the mind in a radical new therapeutic paradigm --Michel Pollen, “My Adventures with the Trip Doctors,” 2018



HOME > CANNABIS

Kevin O'Leary of 'Shark Tank': Why I'm betting big on psychedelics, and how investors should be thinking about this opportunity

Kevin O'Leary Nov 17, 2020, 10:12 AM



Kevin O'Leary says his approach as an investor is quite simple: Look for solutions to people's problems. [Kevin O'Leary](#)

OPINION

- In this op-ed article, the "Shark Tank" investor Kevin O'Leary explains why he and other Wall Street investors are betting big on psychedelic mushrooms.

VIDEOS YOU MAY LIKE

by Taboola



Cruise ships are being scrapped as the industry

How anesthesia affects your brain and body



A pound of cinnamon quills can cost \$27 — here's why it's one of

How the world's largest airplane boneyard stores and

FROM THE WEB

by Taboola

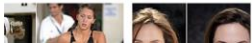


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20 Questions to Tell If You're Ready to Retire

Sponsored by SmartAsset



VICTOR DE SCHANBERG FOR GETTY.

MOTHERBOARD
TECHBYVICE

The Race to Patent Psychedelics Is Just Getting Started

Psychedelics now appear in patent applications for Philip Morris e-cigarettes, periodontal disease, hair loss, weight loss, and food allergies.

By [Shayla Love](#)

March 5, 2021, 9:30am [Share](#) [Tweet](#) [Email](#)

Boris Johnson wants to beat drug crime. Without decriminalisation, he hasn't got a hope

Prohibition doesn't work. It didn't work against liquor in 1920s Chicago and it does not work now against proscribed substances



By Michael Day

Chief Foreign Commentator

December 7, 2021 7:00 am

GTA

How Toronto went from a 'war on drugs' to pushing for their decriminalization



By Jennifer Pagliaro City Hall Bureau
Mon., Dec. 6, 2021 | 5 min. read

Article was updated 11 hrs ago

Florida Lawmaker Files Bill To Decriminalize All Currently Illicit Drugs



Published 1 week ago on November 29, 2021

By Kyle Jaeger



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TAKING STOCK: PUTTING THE PIECES TOGETHER

