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CHAPTER 2

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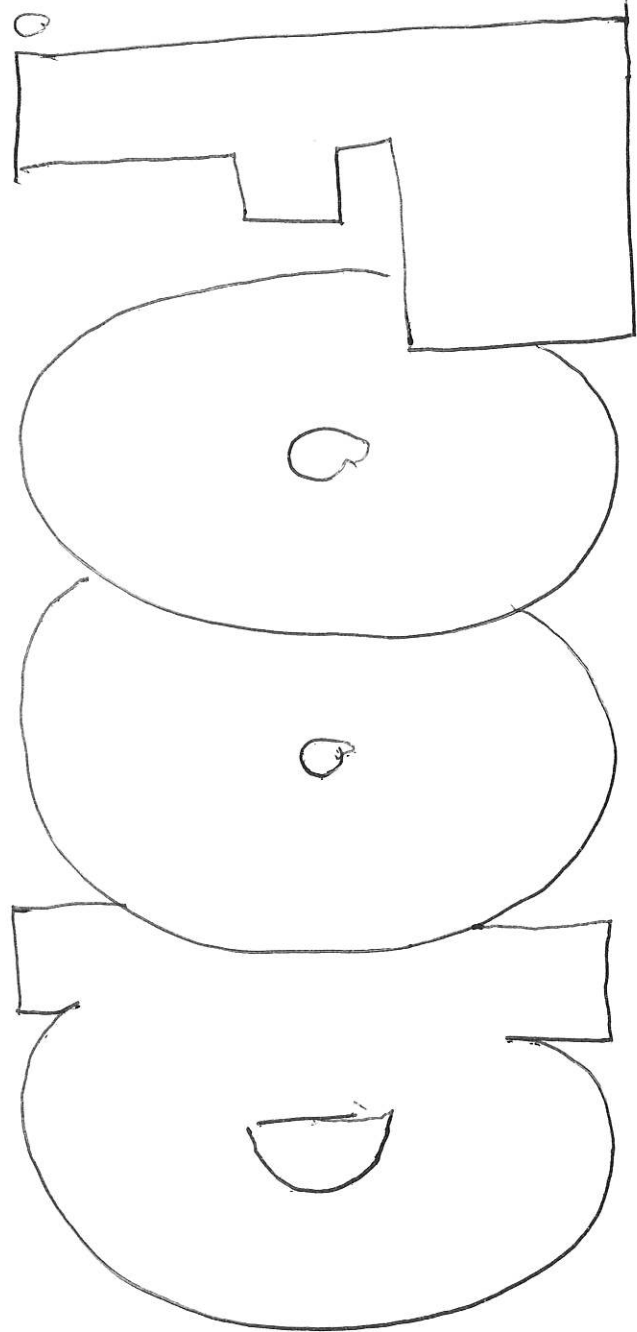
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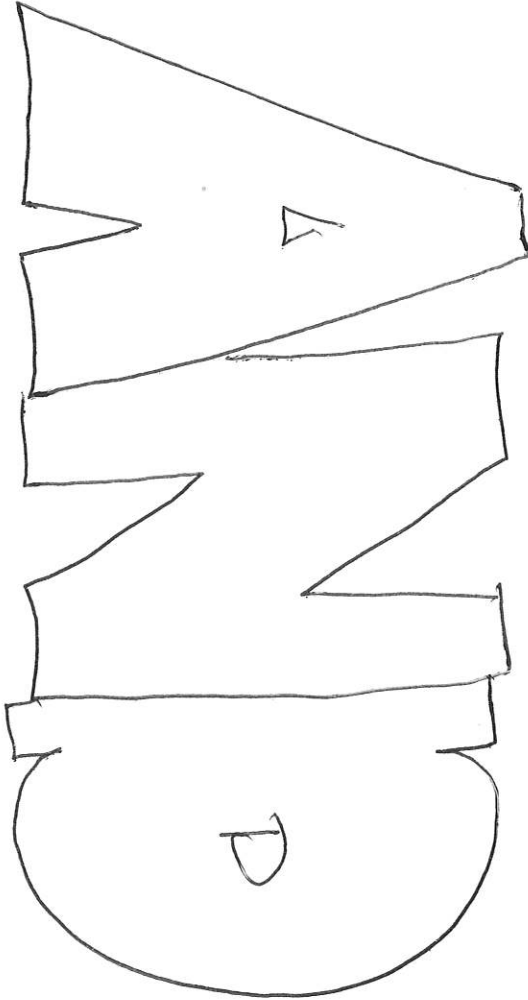


ESPECIALLY OUR FATHER, WHO IS PAINFULLY AWARE OF ALL PRESSURE ON FATHERS

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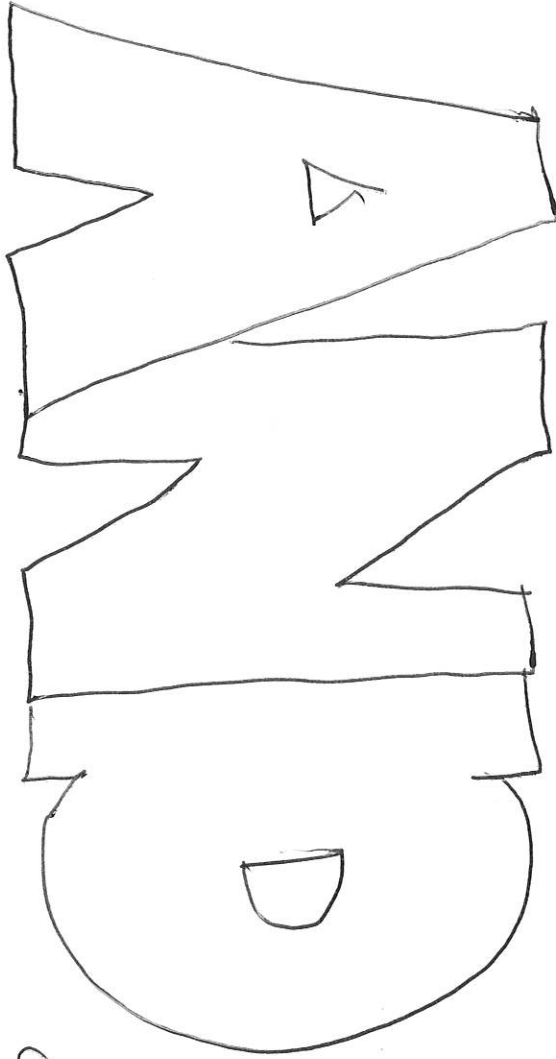
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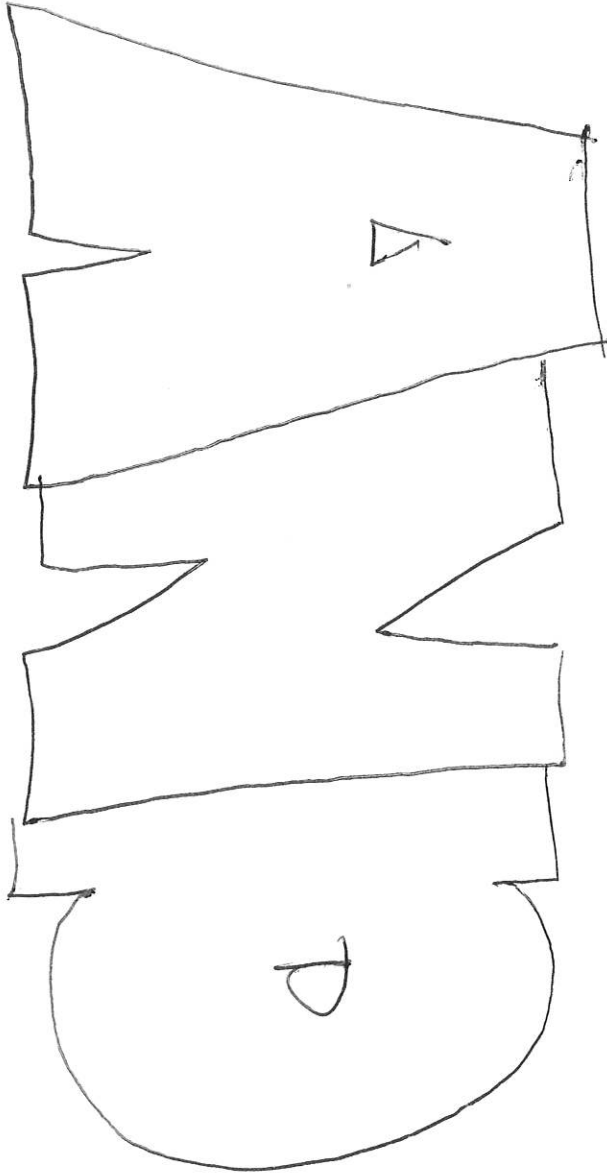
*Beyond
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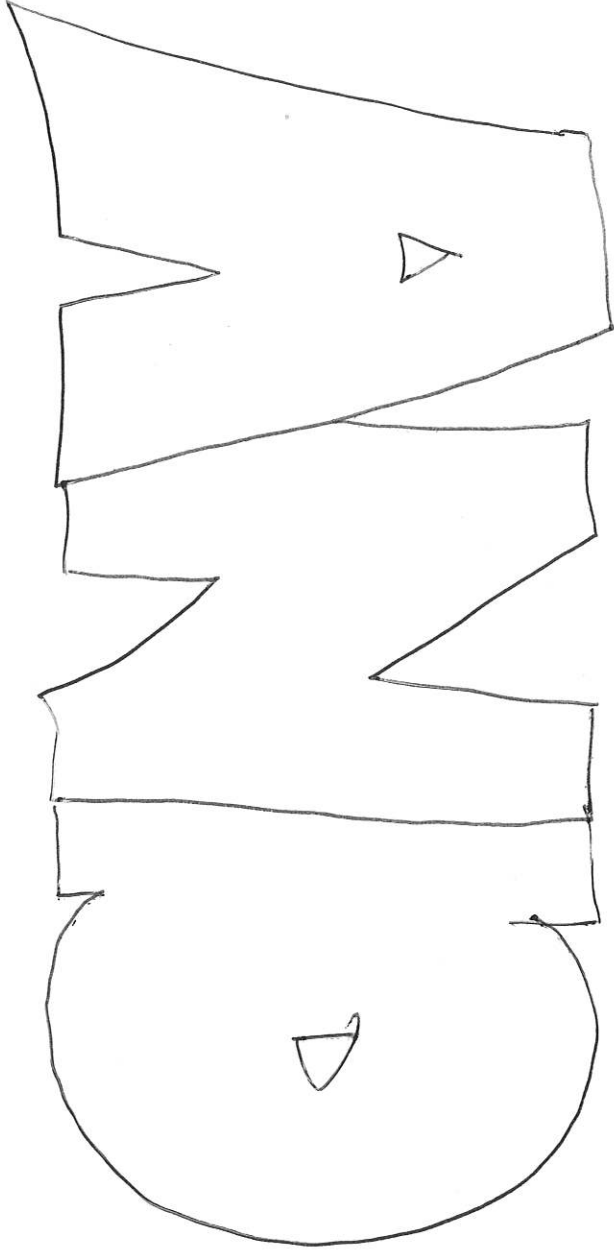
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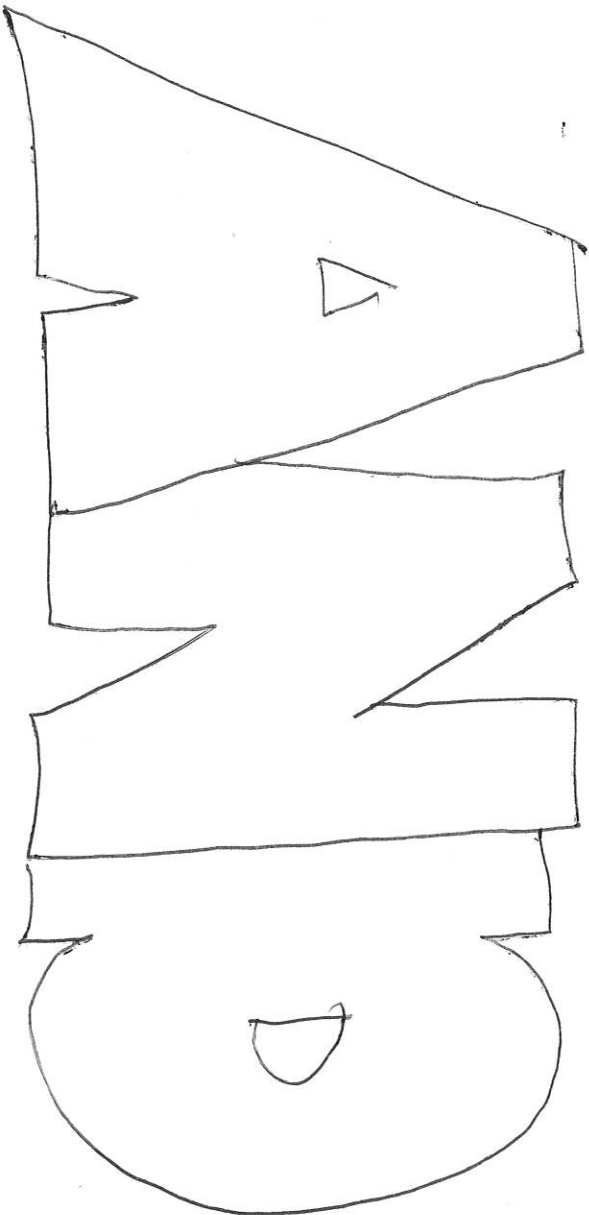
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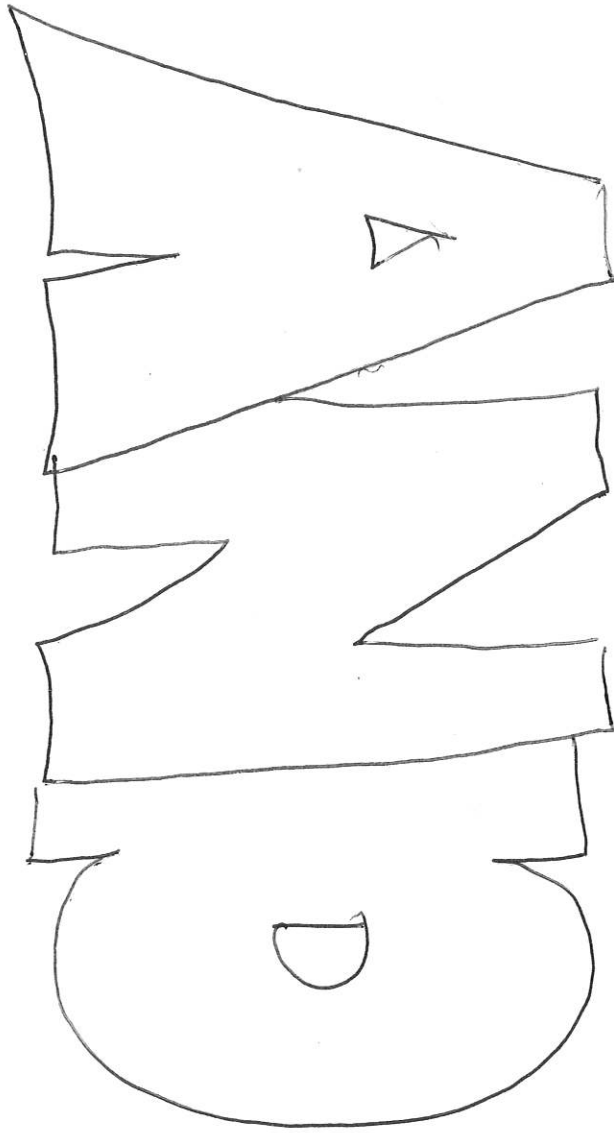
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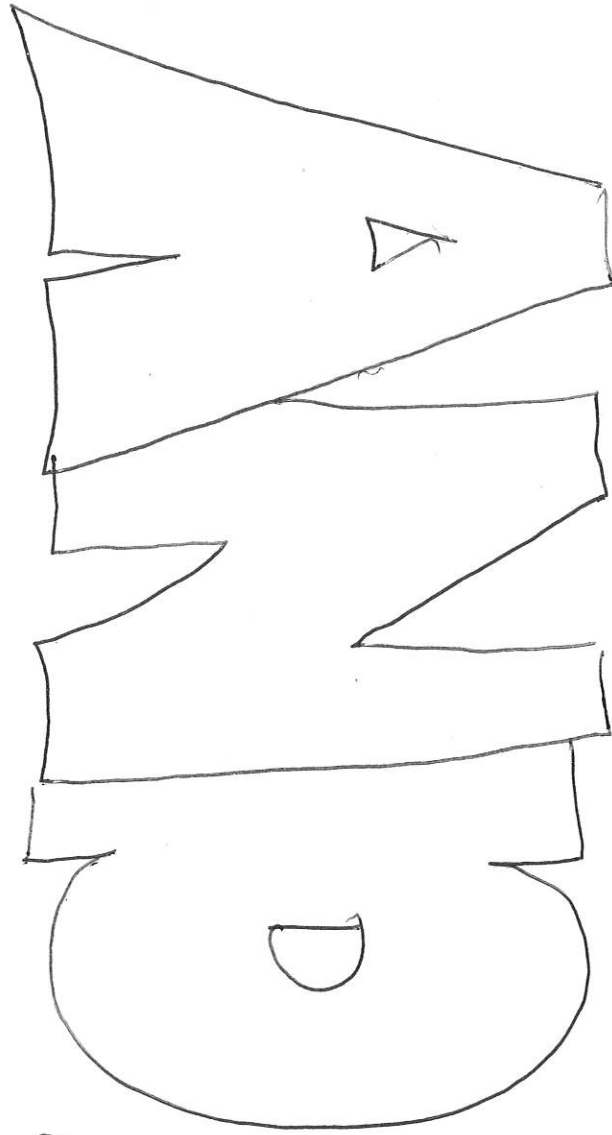
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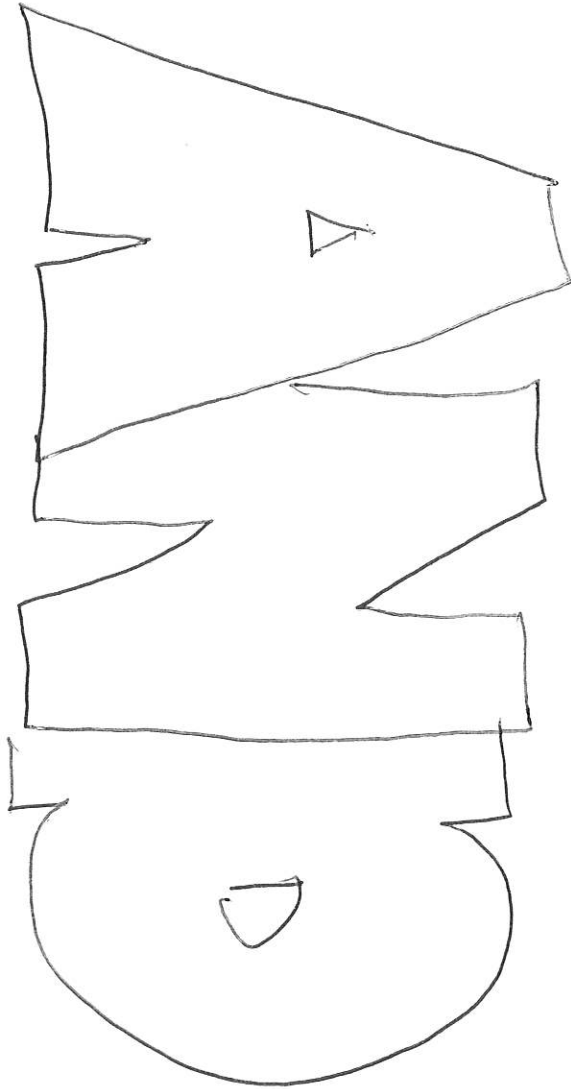
Question 2

Cannabis

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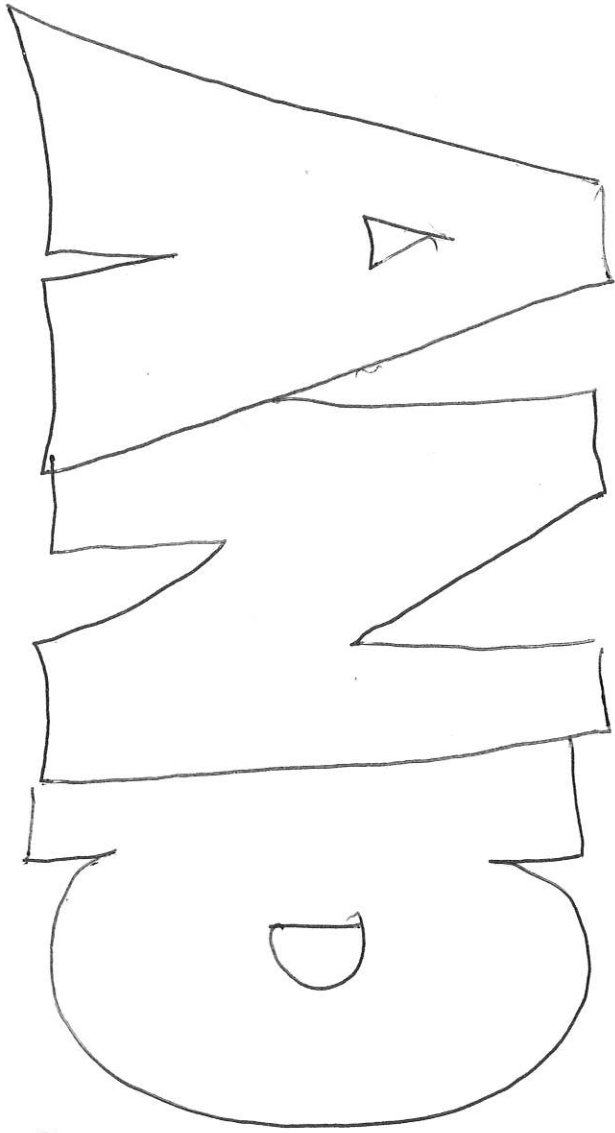


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Question 2

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CANNABIS IS THE MOST NUTRITIOUS AND SAFEST OF ALL FOODS FOUND ON EARTH. NO OTHER FOOD HAS THE BREADTH AND DEPTH OF NUTRIENT PROFILES FOUND IN THE FAMILY OF CANNABIS. ALL FOOD IS VERY ADVANCED TECHNOLOGY INTELLIGENTLY DESIGNED BY CREATION WHO AT THE SAME TIME ENGINEERED OUR BIOLOGICAL TECHNOLOGICAL SUITES FROM INCEPTION AND MADE IT SO WE PAIR, SYNC, AND BOTH SEAMLESSLY AND SYNERGISTICALLY INTERACT WITH EACH OTHER IN VERY MAGICAL WAYS. THE TRUTH ABOUT CANNABIS HAS BEEN HIDDEN BY THE ~~SE PEDOPHILES~~ WICKED ~~OVERSIGHTS/INTENTIONS~~ AND FOR VERY STRATEGIC REASONS. THEY SEEK TO FEED THEIR ADDICTION AND DISEASE OF HARMING CHILDREN AND SUBSEQUENTLY THIS ADDICTION CREATES VERY REAL PROPERTY DAMAGE IN VICTIMS MANIFESTING ITSELF AS BRAIN DAMAGE IN THE FORM OF NEUROPSYCHIATRIC AND SEIZURE CONDITIONS CALLED POST TRAUMATIC STRESS DISORDER. THE ONLY *TRULY* SAFE AND EFFECTIVE MEDICATION ON EARTH IS THE ORIGINAL SUPERFOOD/VEGETABLE/HERB TAKEN ORALLY WITH OTHER FOOD, AND PREFERABLY OTHER PHYTONUTRIENTS IF YOU REALLY WANT IT TO BE AN EFFECTIVE MEDICATION. THE ~~MORMONS~~ ARE VIOLATING THE UNITED STATES CONSTITUTION IN RELATION TO THE ONLY PROVEN PTSD MEDICATION KNOWN TO OUR SPECIES. THEY HAVE DAMAGED AND SUICIDED SO MANY CHILDREN AND CURRENTLY DONT ALLOW THESE PTSD MEDICATIONS ON THEIR SHELVES IN ~~THE STATE OF UTAH~~. THEY ARE MASSIVE LAND OWNERS AND USING THAT LAND TO CAUSE PROPERTY DAMAGE TO TENS OF THOUSANDS OF CHILDREN AND THEN ILLEGALLY UTILIZING THE FEDERAL AND STATE GOVERNMENT APPARATUS TO STOP THEIR VICTIMS FROM OBTAINING ALL NATURAL SOLUTIONS TO THE PROBLEMS THESE PEDOPHILES FROM INCEPTION LEFT ON US. THEY DONT WANT SURVIVORS AT ALL AND DEFINITELY DONT WANT US TALKING ABOUT THEIR MOST EMBARRASSING OF ALL DISEASES AND BEHAVIORS ON EARTH. WHEN I SPEAK OUT THEY PHYSICALLY ATTACK ME FOR DOING SO. THEY ARE THE ULTIMATE BULLIES WITHIN THE ~~SYSTEM~~ SYSTEM AND I REFUSE TO EVER BACK DOWN TO THEIR CONTINUAL ASSAULTS AND PERPETUAL PEDO IMPRINTING ON ME.)

WICKED

STATES & NATIONS

500+ MAGICALLY MOLECULAR COMPONENTS BEYOND BRILLIANTLY INTERWOVEN BY YOUR MOTHER

GENETIC SUITE

Comnabis

'YOU WANT THE WHOLE PACKAGE!'

By Creation

CANNABIS IS A CHEMICAL TECH SUITE THAT WAS BUILT BY CREATION TO WORK SEAMLESSLY WITH YOUR HOMO SAPIEN BTS (BIOLOGICAL TECHNOLOGICAL SUITE). THE 500+ UNIQUE COMPONENTS FOUND IN EVERY VARIETY OR CULTIVAR (CALLED A STRAIN BECAUSE WHEN YOU BASTARDIZE THIS ORIGINAL/ONLY SUPERFOOD ALONG WITH BEING MOTHERS MOST MAGICAL OF MEDICINES BY SMOKING/VAPING/DABBING IT YOU STRAIN YOUR BTS. MAYBE ONLY A FEW PAPER CUTS AT A TIME BUT EVERY TIME WE INHALE HOT AIR REGARDLESS WHAT IS WITHIN IT WE HARM OUR ENAMEL, OUR TEETH, OUR ESOPHAGUS AND ITS LINING, OUR STOMACH AND ITS LINING, EVERY SINGLE BLOOD PASSAGEWAY SO EVERY SINGLE ORGAN THAT THESE VESSELS FEED BEGINNING WITH YOUR EYES, YOUR HEART, YOUR LUNGS, YOUR KIDNEYS, YOUR LIVER, YOUR PANCREAS, ETC., SO JUST EAT IT) MAKE CANNABIS THE MOST COMPLEX OF ALL MEDICINES AND FOODS ON EARTH. CANNABIS HAD ON AVERAGE 50 TIMES MORE COMPONENTS THAN THE AVERAGE PHARMACEUTICAL PRODUCT. THE AVERAGE PHARMACEUTICAL GRADE (SO CALLED MEDICINE) HAS ROUGHLY 10 COMPONENTS. THEY HAVE TRIED TO OUTDO CREATION'S CANNABIS FOR THE LAST CENTURY AND THE RESULTS WERE AN ETERNAL AND EPIC FACE PLANT.

CANNABIS HAS THIS TECH SUITE THAT CONTAINS THESE 500+ UNIQUE COMPONENTS OF WHICH CBD AND THC ARE BUT TWO. CARYOPHYLLENE, MYRCENE, AND LINALOOL ARE A FEW MORE. LIMONENE AND HUMULENE ARE TWO MORE. YOU CAN FIND ALL OF THESE IN ONE CULTIVAR AND THAT STILL LEAVES ROOM FOR 493+ MORE. ARE YOU

BEGINNING TO NOW SEE WHY THIS POWERHOUSE OF A PLANT IS AN ENTIRE PHARMACY IN ONE PLANT? IF NOT I MIGHT HAVE FAILED MY JOB AT BETTER CONVEYING THE MAGIC BEHIND MOM'S MEDICINE. THESE 500 COMPONENTS ARE ALL PART OF THE GENTIC CODE OF THE BIOTECH AND CHEMTECH SUITE CANNABIS. AS A CANNABIS SEED IS PLANTED AND THEN NOURISHED WITH WATER, LIGHT, AND NUTRIENTS THIS GENETIC CODE IS BUILT IN REAL TIME AS US HOMO SAPIENS WATCH THE MAGIC FROM OUTSIDE THIS GENOME. THE PLANT CREATES THESE 500+ COMPONENTS SO THEY CAN DOCK SEAMLESSLY AT YOUR BIOTECH DOCKING SITES IN YOUR ECS AND LIKE LOCK AND KEY UNLOCK YOUR BIOTECH SUITE'S FULL POTENTIAL WHILE HEALING YOU. CANNABIS IS JUST LIKE ALL FOOD AND THE TECH SUITES THEY CONTAIN WITH THEIR DIFFERENT COMPONENTS, EACH COMPONENT HAVING MANY DIFFERENT PROPERTIES TO HELP OUR BTS FUNCTION MORE OPTIMALLY. CANNABIS LIKE ALL OF CREATION'S NATURAL FOODS HAS A HARVEST POINT OR ITS PEAK PRODUCTION AND FINISHING OF THE GENETIC CODE AND ALL 500+ COMPONENTS. IT IS HERE AT THIS PEAK PRODUCTION THAT YOU WANT TO CONSUME ALL FOODS. WHEN THEIR GENETIC CODE AND BLUEPRINT IS FINISHED BEING BUILT.

IT IS AT THIS MOMENT AND IN A RAW STATE THAT WE AS HOMO SAPIENS SHOULD CONSUME CANNABIS AND ALL FOODS. IT IS AT THIS PEAK AND RAW STATE WHERE THE 500+ COMPONENTS OF THE CHEMTECH SUITE CALLED CANNABIS STILL POSSESS ALL OF THEIR HEALTH IMPROVING FACTOR SETTINGS AND THUS PROPERTIES. ONE EXAMPLE OF THESE PROPERTIES WOULD BE THE ANTI-DEPRESSANT PROPERTY OF THC. IF YOU COMPARE CANNABIS TO OTHER ANTI-DEPRESSANTS ON THE MARKET THERE IS NO COMPARISON. I HAD MANY OF THESE PRODUCTS SHOVED DOWN MY THROAT AS A CHILD IN A PEDOPHILE RING AND TO DATE NOT ONE PRODUCT THEY PUSH IS ANY MORE EFFECTIVE THAN A WATER PILL. ALMOST NONE HAVE EVER EVEN BEEN STUDIED LEGITIMATELY BEFORE BEING RELEASED ON THE PUBLIC

ANOTHER PROPERTY OF THC WOULD BE ITS ANALGESIC OR PAIN REDUCING EFFECT WHICH IS SUPER POWERFUL IF DONE RIGHT,BUT MOST AINT DOING IT RIGHT SO THEY ADD PAIN TO THE BODY WHEN CONSUMING CANNABIS VIA THINGS SUCH AS FREE RADICALS PRODUCED EVERY TIME WE SMOKE, VAPE, OR DAB THE PLANT INSTEAD OF EATING IT ORALLY AS CREATION INTELLIGENTLY DESIGNED IT FOR US. AS WE LET FOOD RIPEN TOO LONG ALL OF THESE MOLECULES BREAK DOWN AND DEGRADE IN QUALITY. JUST LIGHT ALONE BEGINS THIS DEGRADATION PROCESS OF THE MOLECULAR STRUCTURE OF ALL FOODS. SOME RIPENING AND DEGRADATION IS DESIRABLE WITH MOST FOODS AND CANNABIS IS NO DIFFERENT. WHEN WE COOK FOOD OR PROCESS CANNABIS BY APPLYING HEAT, PRESSURE, OR CHEMICALS IN THE COOKING AND EXTRACTION PROCESSES WE DAMAGE THIS ORIGINAL CHEMTECH SUITE OF CANNABIS OR THE CHEM/BIOTECH SUITE OF ALL FOODS. MANY OF THESE FOODS ARE FAR MORE TASTY WHEN

WE COMBINE THEM AND PROCESS THEM THIS WAY, BUT MUCH OF THE FACTORY SETTINGS AND OVERALL NUTRIENT PROFILE ARE LOST IN THE PROCESS. CANNABIS IS BEST EATEN RAW FOR THIS REASON. ALL FOODS BY CREATION POSSESS HEALTH IMPROVING PROPERTIES WITHIN THEIR CHEMTECH SUITE, BUT NONE ARE AS BIG OF A HEALTH GAME CHANGER AS CANNABIS IS. CANNABIS IS MORE FOOD THAN MEDICINE AND THIS FACTORY SUITE AND ALL OF THE PROPERTIES THESE COMPONENTS CONTAIN WILL ONLY HELP YOU AS DESIGNED IF CONSUMED IN THEIR RAW AND PEAK STATE. ONE MAJOR REASON THAT SO MANY HOMO SAPIENS ARE SICK AT THIS TIME IS DUE TO RARELY EVER CONSUMING THESE CHEMTECH SUITES IN THEIR NATURAL AND FACTORY STATE THE WAY MOM AND DAD HAD HOPED FOR US.

EAT CANNABIS RAW, AND PAIRED WITH MANY OTHER FOODS IN COMPLETELY BALANCED DISHES. NEVER PAIR CANNABIS WITH ANIMAL CELLS, CONCENTRATED COOKING OILS, TOXINS OR CARCINOGENS (INCLUDING DRUGS AND ALCOHOL, NEUROTOXINS SUCH AS ALL PROCESSED SUGARS, OR ANYTHING FRIED. IF YOU DO YOU WASTE PART OF ITS CHEMTECH POTENTIAL WITHIN YOUR BTS. CANNABIS IS THEE MOST LIFE SAVING AND ESSENTIAL FOOD/MEDICINE ON EARTH AND EXTREMELY EXPENSIVE SO YOU SHOULD MAKE IT GO AS FAR AS ITS FACTORY TANK WANTS TO TAKE YOU. IT IS BEST TO PAIR CANNABIS WITH ONLY PHYTONUTRIENTS HEAVY IN PHYTOFATS SUCH AS NUT BUTTERS OR AVACADOS. WHEN MAKING OR EATING A BLACK BEAN AND AVACADO BURRITO SIMPLY HAND GRIND YOUR COLA AS THE LAST INGREDIENT BEFORE YOU MIX THE INTERIOR AND WRAP IT UP AND SCARF IT DOWN. MIX IT RIGHT INTO THE GUAC AND ADD THE GUAC LAST STEP BEFORE CLOSING. ADD SOME LIME JUICE AND CILANTRO TO CREATE MORE OF A SYNERGISTIC MEDICINAL EFFECT IN THE BODY. MAKE SURE ALL COMPONENTS OF YOUR DISH ARE ANTI-INFLAMMATORY OR YOUR CANNABIS WILL BE PARTIALLY USED TO UNDE THE DAMAGE YOU CAUSE AT INGESTION WITH INGREDIENTS SUCH AS THE NEUROTOXIN CANE SUGAR. IF YOU WANT YOUR HIGHLY EXPENSIVE, LIFE SAVING AND ESSENTIAL MEDICINE TO WORK TO ITS MAXIMUM POTENTIAL IN THE BODY EAT IT RAW AND ONLY PAIR IT WITH CLEAN PHTYONUTRIENTS. IT NEVER SHOULD BE CONSUMED ALONE AND WONT BE AS BENEFICIAL TO YOUR BTS IF YOU DO. I HAVE TESTED THIS EXTENSIVELY AND CANNABIS IS SUCH A STRONG CUTTING AGENT IT NEEDS BUFFERS AND HELPERS. WHEN YOU EAT CANNABIS IT MAKES YOU EXTREMELY HUNGRY BECAUSE THESE 500+ COMPONENTS ENTER YOUR BODY AND GO TO WORK RUNNING HUNDREDS IF NOT THOUSANDS OF APPLICATIONS WITH YOUR BIOTECH SUITE BURNING THROUGH TONS GAS IN YOUR TANK TO GET ALL OF THAT WORK DONE. CANNABIS GOES TO TOWN ON CLEANING YOU AND IT NEEDS FOOD AND WATER TO FUEL THE WORK DAY. NOW YOU KNOW WHY YOU GET THE MUNCHIES. PEER REVIEWED SCIENCE WILL PROVE THIS WITH TIME.

CANNABIS CAN BE USED TOPICALLY TO REDUCE PAIN OR TREAT ACNE AND SKIN CANCER, ~~WHEN~~ WHEN WE EAT IT RAW AS IT WAS INTELLIGENTLY DESIGNED TO BE BEST CONSUMED WE GAIN MAXIMUM BENEFIT FROM THE PRECIOUS PLANT. YOU CAN JUICE IT OR PUT IT IN FOR THE LAST TWO SWIRLS OF A SMOOTHIE BLEND. JUST MAKE SURE YOU WRAP IT IN A STICKY PHYTOFAT SO THAT THE MEDICINE FOUND IN THE SWEAT GLANDS OR TRICHOMES OF THE PLANT ARE BEST DIGESTED SO YOU GET MAXIMUM UPTAKE AND BIOAVAILABILITY. CANNABIS NEEDS FATS TO HELP IT BIND AND DIGEST INCLUDING STICKING TO YOUR TRACK INSTEAD OF BEING IMMEDIATELY EXCRETED. HOWEVER YOU EAT OR JUICE IT JUST MAKE SURE YOU FIRST WRAP IT AND THESE SWEAT GLANDS WHICH CONTAIN THE MAJORITY OF THE 500+ COMPONENTS. IF YOU PUT THESE IN A BLENDER WITHOUT A NATURAL WRAP OR COVER YOU WILL WASTE YOUR MEDICINE.

IF YOU STILL MUST EAT CANNABIS COOKED THIS IS THE NEXT EASIEST WAY TO COOK AND CONSUME CANNABIS REGULARLY WITH OTHER DISHES. THIS MACHINE TELLS YOU ^{SOME OF} HOW MUCH COCONUT OR SUBSTITUTE OIL YOU NEED TO COOK A BATCH WITH AND HOW MUCH DRY CANNABIS COLA. I AM STOPPING HERE FOR THE EVENING TO TAKE A MUCH NEEDED BREAK. BACK TOMORROW 10/7/24

PATENT SUMMARY

Cannabinoids as antioxidants and neuroprotectants

Patent	US-6630507-B1
Inventor	HAMPSON AIDAN J (US) AXELROD JULIUS (US) GRIMALDI MAURIZIO (US)
Assignee	US HEALTH (US)
Country	United States
Dates	Priority: 1998/04/21 Grant: 2003/10/07
Description	This web page summarizes information in PubChem about patent US-6630507-B1. This includes chemicals mentioned, as reported by PubChem contributors, as well as other content, such as title, abstract, and International Patent Classification (IPC) codes. To read more about how this page was constructed, please visit the PubChem patents help page PubChem

1 Abstract

Cannabinoids have been found to have antioxidant properties, unrelated to NMDA receptor antagonism. This new found property makes cannabinoids useful in the treatment and prophylaxis of wide variety of oxidation associated diseases, such as ischemic, age-related, inflammatory and autoimmune diseases. The cannabinoids are found to have particular application as neuroprotectants, for example in limiting neurological damage following ischemic insults, such as stroke and trauma, or in the treatment of

<https://pubchem.ncbi.nlm.nih.gov/patent/US-6630507-B1>

OUR DEPARTMENT OF HHS HOLDS THIS INCREDIBLY TELLING PATENT ON SOME OF THE 500+ COMPONENTS CREATION BEYOND BRILLIANTLY DESIGNED INTO THEIR CANNABIS.

IN MEMORIAM

**DR. RAPHAEL
MECHOULAM**

1930 - 2023



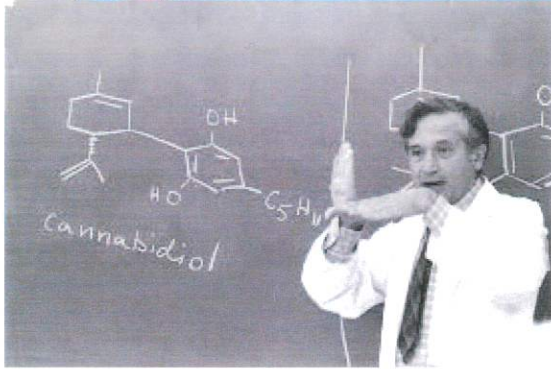
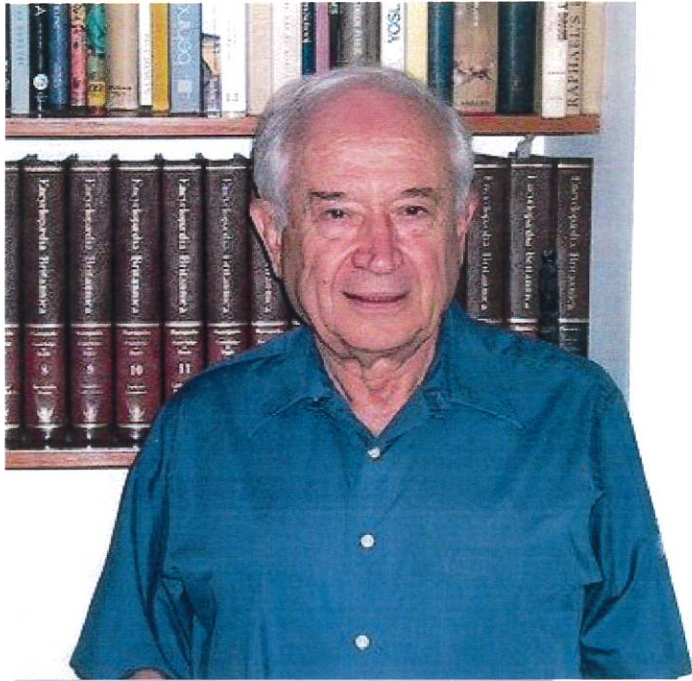
SADLY THIS GENIUS LEFT US JUST RECENTLY. WE WILL MISS YOU BROTHER AND FRIEND!!! THANK YOU FOR BLESSING US WITH YOUR PRESENCE AND CONTRIBUTIONS WHICH WILL STAND THE TEST OF TIME. DR. RAPHAEL MECHOULAM IS AN ETERNAL LEGEND FOR HIS CONTRIBUTIONS TO OUR SPECIES AND EVERY SENTIENT SPECIES ON EARTH. WE LOVE YOU AND UNTIL WE MEET AT THEIR FEET OR ELSEWHERE, WE WISH YOU THE VERY BEST IN ALL OF YOUR COSMIC TRAVELS WITH CREATION. THC IS THE CLOSEST THING 2 A "GOD MOUCLE" WE WILL EVER FIND AND I WANT MY BTS BUILT WITH AS MANY AS IS POSSIBLE. THAT MAKES THIS MAN CLOSE 2 CREATION SINCE HE DISCOVERED THEIR VERY BEST HELPER DOWN HERE.

DR. RAPHAEL MECHOULAM-CREDITED WITH HIS FELLOWS FOR THE ISOLATION AND DISCOVERY OF THE TETRAHYDRACANNABINOL (THC) MOLECULE AND FAR MORE. THIS MAN IS ONE OF THE GREAT TREASURES OF OUR SPECIES. A GIFT FROM MOM AND DAD TO US AS HIS BROTHERS AND SISTERS. THIS MAN SURVIVED THE HOLOCAUST AND NEVER GAVE UP HIS LOVE FOR HIS FELLOW WOMAN, MAN, AND CHILD. SO MANY WOULD HAVE TURNED COLD BUT HIS SOUL IS GENUINELY GOLDEN. I WILL SHARE SO MUCH MORE ON HIS LIFE AND LEGENDARY BODY OF WORK.

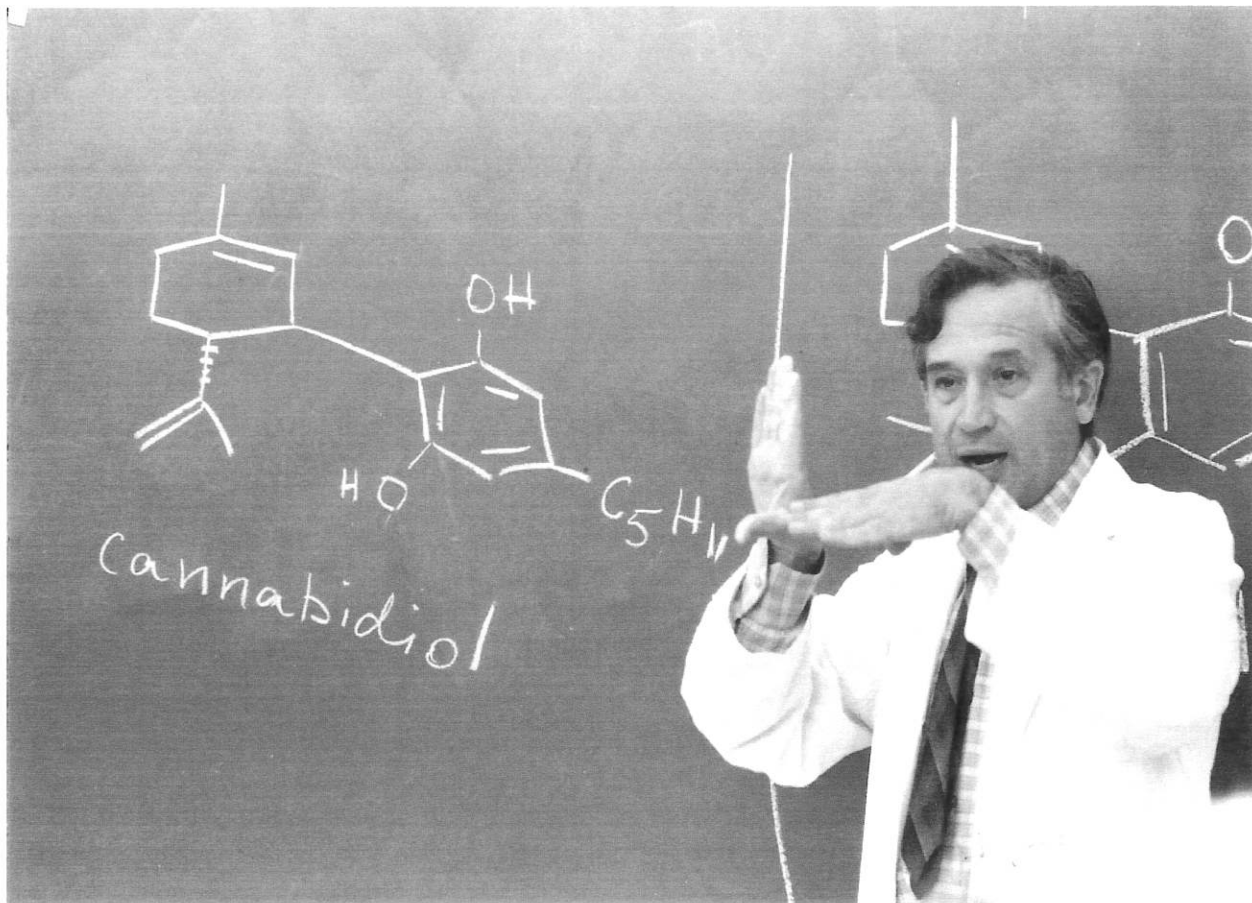
HUMANS UNDERSTAND THIS POWERHOUSE OF A ENTIRE PHARMACY IN 1 PLANT FAR BETTER BECAUSE OF THIS NOW ETERNAL LEGEND. HIS PREDECESSOR IN AMERICA IS DR. ALAN SHACKELFORD WHOM I WILL INTRODUCE IN A LATER CHAPTER. HE IS THE ESTEEMED HARVARD MEDICAL SCHOOL



22/10



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EDITORIAL [Braz J Psychiatry](#). 2023 Jun 8;45(3):201–202. doi: [10.47626/1516-4446-2023-0047](https://doi.org/10.47626/1516-4446-2023-0047)

Dr. Raphael Mechoulam, cannabis and cannabinoids research pioneer (November 5, 1930–March 9, 2023) and his legacy for Brazilian pharmacology

[José Alexandre S Crippa](#)^{1,2}, [Francisco S Guimarães](#)^{2,3}, [Antonio Waldo Zuardi](#)^{1,2}, [Jaime EC Hallak](#)^{1,2,✉}

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Israeli researcher Raphael Mechoulam, the father of cannabis research, passed away on March 10, 2023, at 92 years of age. In early 1960, he was the first to reveal the structure of cannabidiol (CBD) and delta 9-tetrahydrocannabinol (THC), molecules now used worldwide as medicine.^{1,2} In addition, Professor Mechoulam and his research group identified the endocannabinoid system, a biological system with endogenous neurotransmitters that bind to specific receptors and are synthesized and metabolized by specific enzymes. It is now recognized that this system regulates various cognitive, physiological and pathophysiological processes, including immune system activity, memory, mood, pain, psychosis, etc. It also mediates the pharmacological effects of the cannabis plant.

While Professor Mechoulam was elucidating the chemical structure and synthesis of the most significant plant cannabinoids, he established an extremely fruitful partnership and a lifelong friendship with Brazilian researcher Elisaldo Araujo Carlini of the Escola Paulista de Medicina (now UNIFESP), who was born in the same year (1930) and passed away on September 16, 2020, at

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Dialogues Clin Neurosci. 2020 Sep;22(3):223-228. doi: [10.31887/DCNS.2020.22.3/mcrocaq](#)

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History of cannabis and the endocannabinoid system

[Marc Antoine Crocq](#)¹

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Abstract

This article retraces the story of cannabis from the earliest contacts of humans with the plant to its subsequent global expansion, its medicinal uses, and the discovery of the endocannabinoid system in the 20th century. Cannabis was attested to around 12 000 years ago near the Altai Mountains in Central Asia, and since then, cannabis seeds have accompanied the migration of nomadic peoples. Records of the medicinal use of cannabis appear before the Common Era in China, Egypt, and Greece (Herodotus), and later in the Roman empire (Pliny the Elder, Dioscorides, Galen). In the 19th century, orientalist like

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Abstract

This article retraces the story of cannabis from the earliest contacts of humans with the plant to its subsequent global expansion, its medicinal uses, and the discovery of the endocannabinoid system in the 20th century. Cannabis was attested to around 12 000 years ago near the Altai Mountains in Central Asia, and since then, cannabis seeds have accompanied the migration of nomadic peoples. Records of the medicinal use of cannabis appear before the Common Era in China, Egypt, and Greece (Herodotus), and later in the Roman empire (Pliny the Elder, Dioscorides, Galen). In the 19th century, orientalist like Silvestre de Sacy, and Western physicians coming into contact with Muslim and Indian cultures, like O'Shaughnessy and Moreau de Tours, introduced the medicinal use of cannabis into Europe. The structure of the main psychoactive phytocannabinoid, tetrahydrocannabinol (THC), was determined in Israel by Mechoulam and Gaoni in 1964. This discovery opened the gate for many of the subsequent developments in the field of endocannabinoid system (ECS) research. The advances in the scientific knowledge of the ECS place the debate on cannabis liberalization in a new context.

Keywords: *anandamide, cannabis, endocannabinoid, hashish, history, marijuana, Mechoulam, Moreau de Tours, Silvestre de Sacy, tetrahydrocannabinol, William Brooke O'Shaughnessy*

From the earliest dawn of history

Near the Flaming Mountains, a popular tourist spot in the Xinjiang-Uighur autonomous region of China, a middle-aged European-looking man was found with a large cache of cannabis. Further analysis revealed that the man carried almost 800 g of cultivated cannabis with a high Δ^9 -tetrahydrocannabinol (THC) content. Contrary to a first impression, this is not a sensational news item about an adventurous tourist facing a prison sentence far away from home, but a scholarly archeological report about the excavation of the grave of a 45-year old male of high social status, probably a shaman, buried around 750 bc.¹ The tomb was associated with the Tocharian culture, a nomadic population speaking a now extinct Indo-European language, depicted as blue-eyed and fair-haired in ancient Chinese records. The botanical and phytochemical analyses indicated that the cannabis was not merely gathered from wild plants, but instead cultivated from strains of cannabis selected by humans based on their potent THC content. Male cannabis plant parts had been removed, as these are pharmacologically less psychoactive. Russo et al concluded that the cannabis was

[https://pmc.ncbi.nlm.nih.gov/articles/PMC7605027/#:~:text=The%20structure%20of%20the%20main,endocannabinoid%20system%20\(ECS\)%20research.](https://pmc.ncbi.nlm.nih.gov/articles/PMC7605027/#:~:text=The%20structure%20of%20the%20main,endocannabinoid%20system%20(ECS)%20research.)

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[Braz J Psychiatry](#), 2023 May-Jun; 45(3): 201–202.

PMCID: PMC10288473

Published online 2023 Jun 8. doi: [10.47826/1516-4446-2023-0047](#)

Dr. Raphael Mechoulam, cannabis and cannabinoids research pioneer (November 5, 1930–March 9, 2023) and his legacy for Brazilian pharmacology

[José Alexandre S. Crippa](#)^{1,2} [Francisco S. Guimarães](#)^{2,3} [Antonio Waldo Zuardi](#)^{1,2} and [Jaime F.C. Hallak](#)^{1,2}

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Israeli researcher Raphael Mechoulam, the father of cannabis research, passed away on March 10, 2023, at 92 years of age. In early 1960, he was the first to reveal the structure of cannabidiol (CBD) and delta 9-tetrahydrocannabinol (THC), molecules now used worldwide as medicine.^{1,2} In addition, Professor Mechoulam and his research group identified the endocannabinoid system, a biological system with endogenous neurotransmitters that bind to specific receptors and are synthesized and metabolized by specific enzymes. It is now recognized that this system regulates various cognitive, physiological and pathophysiological processes, including immune system activity, memory, mood, pain, psychosis, etc. It also mediates the pharmacological effects of the cannabis plant.

While Professor Mechoulam was elucidating the chemical structure and synthesis of the most significant plant cannabinoids, he established an extremely fruitful partnership and a lifelong friendship with Brazilian researcher Elisaldo Araujo Carlini of the Escola Paulista de Medicina (now UNIFESP), who was born in the same year (1930) and passed away on September 16, 2020, at 90 years of age. In another seminal work, they suggested for the first time that CBD presented anticonvulsant properties in animals (1973)³ and, later, in humans (1980).⁴ This finding was the very first evidence that CBD had any effects, since at the time it was considered an inactive cannabinoid. In 2009, Professor Mechoulam stated, "Nobody has done any work on cannabidiol in the clinic in epilepsy, and I just wonder why." Accordingly, this finding remained

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THIS IS THE

LET'S GO

BUNNY

HOOK, LINE, & SINKER

~~ROCK~~ ^{MO} ~~DRIFT~~ ^{IND}

IF THERE WERE SUCH A THING AS A SINGULAR 'GOD' MOLECULE, THE WOULD BE RIGHT THERE ALONG WITH HYDROGEN, OXYGEN, CARBON, & IS THAT VITAL.

THE THC MOLECULE ALONE HAS DOZENS OF KNOWN MEDICAL PROPERTIES INCLUDING DRIVING APOPTOSIS WITH CANCER CELLS.



DRUG / TOXIN

ANTI-DOTE
OR ANTI-TOXIN
OR ANTI-DRUG SCALE

VS.

GARBAGE

ANTI-DRUGS

NEITHER

DRUG

ANTI-TOXINS

ANTI-DOTES

★ CANNABIS EATEN
RESIDES HERE. GOOD
NOT GARBAGE & your
BoT.o.S. THc especially,
BY FAR THE MOST
IMPORTANT MOLECULE
4 US WHICH WILL FURTHER
PROVE.

OUR BoT.o.S. ONCE GIVEN CANNABIS IS
HEAVEN'S FACTORY HARD WIRED & HOLD
ON TO IT AS LONG AS POSSIBLE, STORED
& EMERGENCIES & PROGRAMMED & USE IT
MINIMALLY & ONLY AS NEEDED. WITH TOXINS
THE BoT.o.S. IMMEDIATELY PUSHES THE PURGE
& HAVE THEM GONE 1st THINGS 1st.

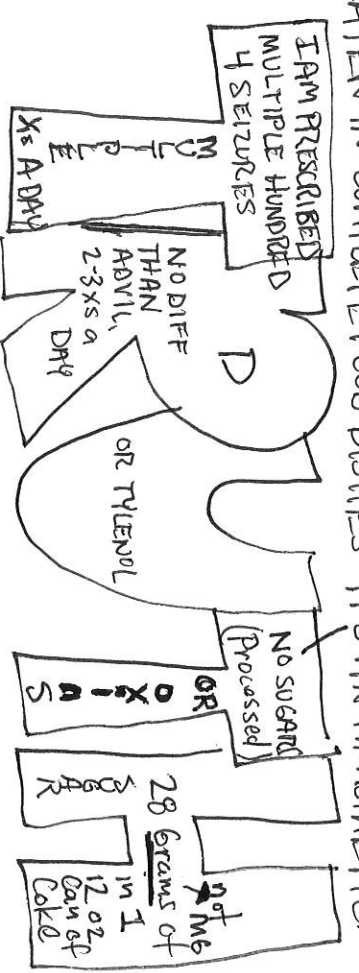
TOXIN

- All
 - Cigs
 - Coc
 - Med
 - LS
 - Her
 - Fom
 - DR
- All GARBAGE
Good a BoT.o.S.

★ THE REASON IT REMAINS VISIBLE IN OUR BLOOD OR URINE/OUR BoT.o.S. FLU

THC

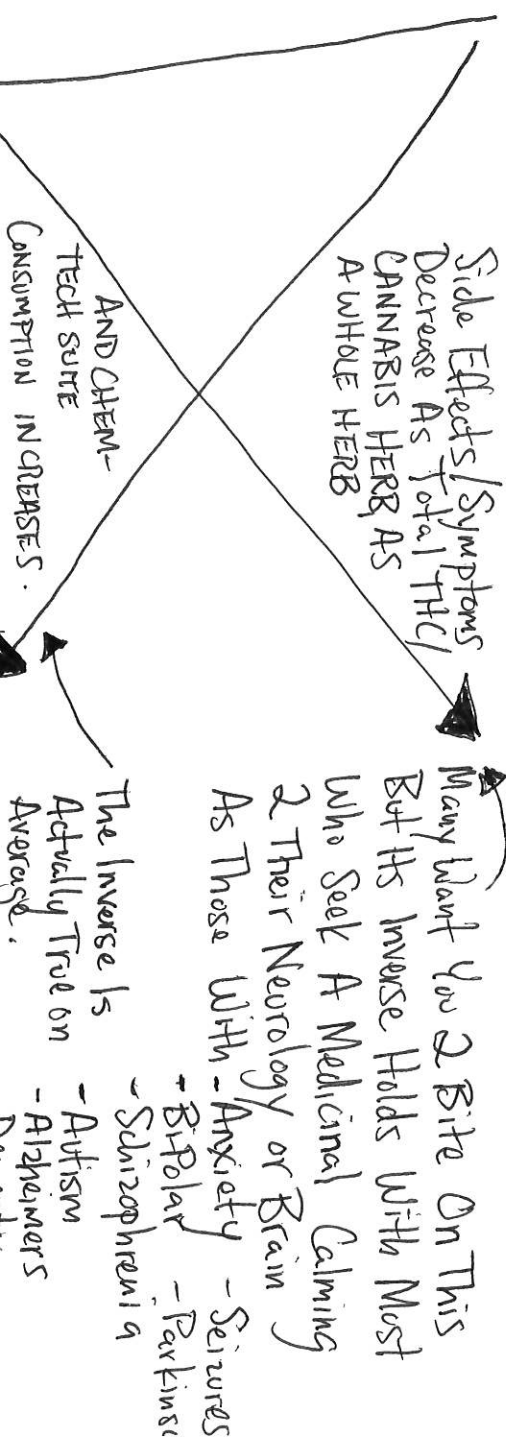
ABOVE 100 MG WHEN EATEN IN COMPLETE FOOD DISHES ITS AN ANESTHETIC.



START LOW GO SLOW BUT THIS WILL ALL HOLD, THE M YOU GO ABOVE 100 MG THE MORE WILL SEDATE

(FIRST OFF, THE PLANT CONTAINS 500+ MOLECULES & SHOULD NOT BE ANALYZED AND GIVEN MUCH WEIGHT & 2% OF ITS COMPONENTS EVEN IF MOTHER HAS SPOKEN AND SAID THC IS HER FAVORITE, AND IT IS, FOR THE PLANT FIRST AS THC IS ALMOST ALWAYS THE LARGEST MOLECULE BY WEIGHT WHEN IT COMES TO THE PLANT'S FRUIT OR COLAS. THAT PORTION OF THE PLANT IS NOT THE ONLY PORTION WE SHOULD EAT, BUT THC HAS BEEN SHOWN & BE A SUNSCREEN/NEGATIVE UV BLOCKING TECHNOLOGY, AND IT HAS DOZENS OF MEDICINAL PROPERTIES & HOMO SPINENS AS WELL. I WILL FOLLOW WITH LIST OF SOME & THOSE WITH PTSD SEIZURES WAKING & REOC NIGHT TERRORS/INJURY/LOSS OF CONTROL OF BOWELS/BLADDER/ORGANS, THE HELPS SEDATE & VANQUISH DREAM/NIGHT TERROR RECALL)

★ Negative Side Effect Profile
 THE SHOULD NOT BE ISOLATED & CONSUMED
 IT IS MEANT 2 BE EATEN WITH 500+ FRIENDS & HELPERS / BUFFERS.



★ DONT BE SCARED OF CANNABIS, TEST WHAT I AM SAYING WITHIN BOTOS. AS A

Are you high?

EAT WITH
CANNABIS
PURE FE
GROW I
EXPE
2 40
SEE
FE

BAD EXPERIENCE

WITH CANNABIS

Com
Just
TRY
ACID

MORE THAN EVER

- SMOKED IT - VAPED IT - DABBED IT - RECEIVED COUNTERFEIT OR TAINTED & TOXIC
- IT WAS GROWN TOXICALLY - IT WAS PROCESSED (TOXICALLY) - IT WAS DISSECTED & ISOLATED ME
- YOU ATE IT AFTER DECARBOXYLATION / COOKING (APPLYING HEAT) - YOU DIDN'T CONSUME CANNABIS BUT PA
- PRESSURE WHICH DISTORTS DAMAGES ITS MOLECULAR (DECARBOXYLATION) IT CAREFULLY ANTI-CHERRY PICKED
- & NUTRIENT PROFILE REMOVING WITH BRADPETER



Carl Linnaeus

Linnaeus returned to Sweden where first, he practiced medicine in Stockholm. Then, after marrying Sara Lisa Moraea, he became a professor of botany at Uppsala University in 1741.

Linnaeus was both popular and influential as a professor and scientist. A charismatic teacher, he

GRAMINAE

☆ ALL PLANTS
CONTAIN ANTI-C
PHYTOCHEMICALS
MANY ANTI-CANCER
PROPERTIES. NOT
GREATER THAN CA

GRASSES GRAMINAE

RYE GRASS GRASSES

FAT OILS

☆ Which Are The Most
In Our B.O.S. And Com
Easiest To Cancer Cells Fu



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His career and legacy

Did you know Linnaeus was a professor, scientist AND doctor? He had an impressive career which still affects the way we work today.

From 1732 to 1735, Linnaeus travelled throughout Sweden, particularly in Lapland and northwest Sweden, in order to record and collect information on the country's natural resources.

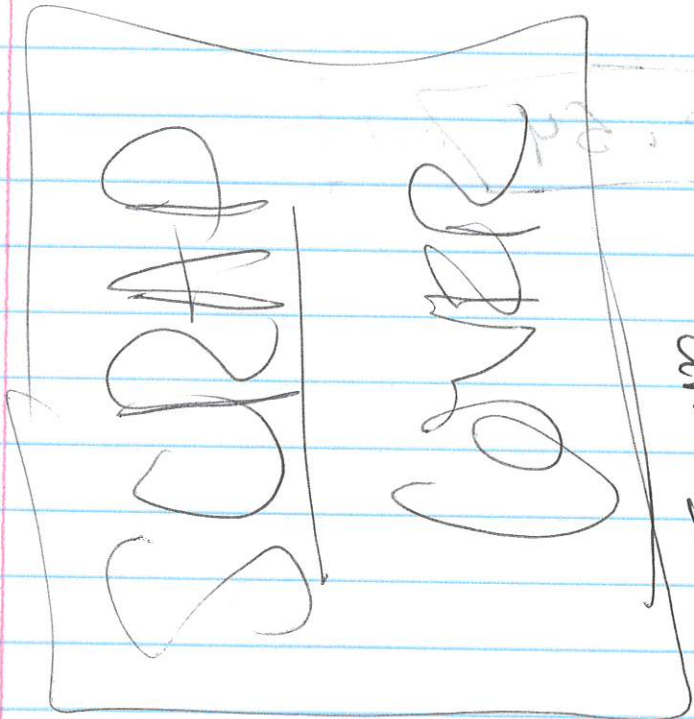
He encouraged his students to use this system as well. Linnaeus, who continued to lecture at Uppsala between field studies, was still a student until finally in 1735 he travelled to the University of Harderwijk in Holland where he very quickly took his medical degree. He spent most of the next three years in Holland with some travelling to Germany, France and England. He was the supervisor of the wealthy banker George Clifford's zoo and gardens while he was in Holland and it was also during this time that Linnaeus was able to publish the first of his many of his scientific papers and books.



CANNABIS

PATIENT

ADOLESCENT



Plent as an
anti-oxidant
are beneficial

by design



Abstract

In the 18th century, Carolus Linnaeus created a formalized system of classification of living organisms based on their anatomic relationships, which we know as taxonomic nomenclature. Historically, the genus *Cannabis* has been described three ways under this system: *Cannabis sativa* by C. Linnaeus in 1753, *Cannabis indica* by J.B. Lamarck in 1785, and *Cannabis ruderalis* by D.E. Janischewsky in 1924, with these taxonomic classifications having been derived from physical, morphological, chemical, and geographical data. Today, this confusing taxonomy has led to an ongoing debate about whether the genus *Cannabis* consists of a single species or multiple distinct species or subspecies. Recently, genome sequencing and bioinformatics have provided greater resolution of taxonomic assignments at the species level. As a result, some previously discussed classification frameworks have been brought into question. The aim of this review is to provide a historical context for the confusion surrounding the taxonomy of the genus *Cannabis* and highlight recent research on genomics-based taxonomical approaches to clarify the question of *Cannabis* taxonomy. We suggest that the latest evidence shifts away from the previous multiple species framework and points towards the genus *Cannabis* consisting of a highly diverse monotypic species.

1. Introduction

Cannabis sativa L. has a long history of human use for a variety of applications, including fiber,

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GAMMABIS

RAW, PAIRED
IN FOOD
DISHES AS
THE HERB IT
IS...

IS A GREAT

LAXATIVE

★ #1 REASON!
HOMO SAPIENS GAIN
WEIGHT. EATING
SEWAGE NOT FOOD.
#2 PLUMBING GETS
BACKED UP WITH SAID
SEWAGE.
SO EAT HEALTHY & DRINK

PURE, SOLIDLY
H₂O

BUT DRINK

1 OUNCE OF WATER
PER POUND PER DAY
IF CONSTIPATED OR
BACKED UP AND MOST
WILL NEVER NEED
ANYTHING MORE.

FATHERS

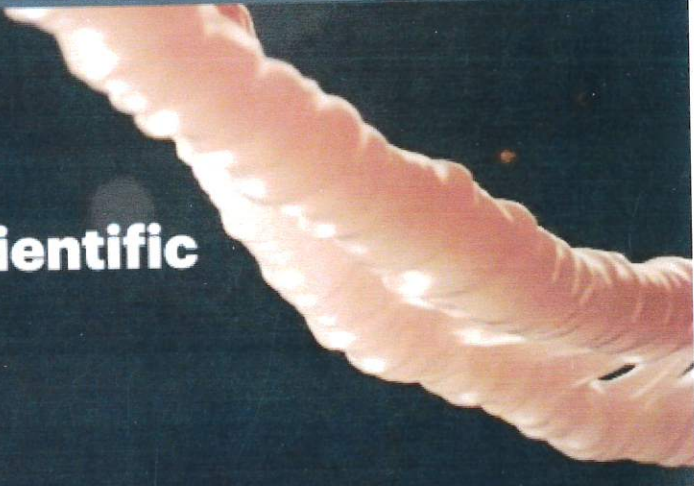
BIEFS THEIR

WHEN THEY SHARE CANNABIS RAW & RESPONSIBLY.

CHAD BEN ETHEL



USP is independent and scientific



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USP is an independent, scientific nonprofit organization focused on building trust in the supply of safe, quality medicines. We are working to ensure that the medicines people rely on for health are available when needed and work as expected.

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Cannabis

In many parts of the US, cannabis is available for medical use under state law. Prescribers, manufacturers and distributors – not to mention patients – are all concerned about the safety and quality of cannabis for medical use. States have adopted different approaches to oversight, but the lack of consistency may leave patients at risk.

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Supporting the quality of cannabis for medical use

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Cannabis

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INTRODUCTION

Ancient Wisdom said that A Little Cannabis A Day Keeps Bad Health Away. Then the TRUTH was distorted and we got An Apple A Day Keeps The Doctor Away. so more would lose their eyes 2 see and ears 2 hear MOM AND DAD'S TRUTH VIBRATIONS which is always the result of a toxic and unhealthy TEMPLE. ^{THIS} ~~which~~ is the house and vehicle for our ETERNAL SOULS so we can learn, grow, and ultimately experience far greater joy than if we were void of this ENDOWMENT BESTOWED on us by THEM. We love you MOM AND DAD!

PURE LOVE,

OF TOTAL

Administration (FDA) has considered how it might support the scientific rigor of medicinal cannabis claims, and the review of public data regarding safety and abuse potential is ongoing.^{11,12} The purpose of this article is to review the historical significance of the use of medicinal cannabis and to discuss its pharmacology, pharmacokinetics, and select evidence on medicinal uses, as well as to describe the implications of evolving medicinal cannabis regulations and their effects on the acute care hospital setting.

HISTORICAL SIGNIFICANCE

Cannabis is a plant-based, or botanical, product with origins tracing back to the ancient world. Evidence suggesting its use more than 5,000 years ago in what is now Romania has been described extensively.¹³ There is only one direct source of evidence (Δ^9 -tetrahydrocannabinol [Δ^9 -THC] in ashes) that cannabis was first used medicinally around 400 AD.¹⁴ In the U.S., cannabis was widely utilized as a patent medicine during the 19th and early 20th centuries, described in the *United States Pharmacopoeia* for the first time in 1850. Federal restriction of cannabis use and cannabis sale first occurred in 1937 with the passage of the Marihuana Tax Act.^{15,16} Subsequent to the act of 1937, cannabis was dropped from the *United States Pharmacopoeia* in 1942, with legal penalties for possession increasing in 1951 and 1956 with the enactment of the Boggs and Narcotic Control Acts, respectively, and prohibition under federal law occurring with the Controlled Substances Act of 1970.^{1,17,18} Beyond criminalization, these legislative actions contributed to creating limitations on research by restricting procurement of cannabis for academic purposes.

In 1996, California became the first state to permit legal access to and use of botanical cannabis for medicinal purposes under physician supervision with the enactment of the Compassionate Use Act. As previously stated, as of January 1, 2017, 28 states as well as Washington, D.C., Guam, and Puerto Rico will have enacted legislation governing medicinal cannabis sale and distribution; 21 states and the District of Columbia will have decriminalized marijuana and eliminated prohibition for possession of small amounts, while eight states, including Alaska, California, Colorado, Maine, Massachusetts, Nevada, Oregon, and Washington, as well as the District of Columbia, will have legalized use of marijuana for adult recreation.^{10,19}

THE MEDICINAL CANNABIS DEBATE

As a Schedule I controlled substance with no accepted medicinal use, high abuse potential,

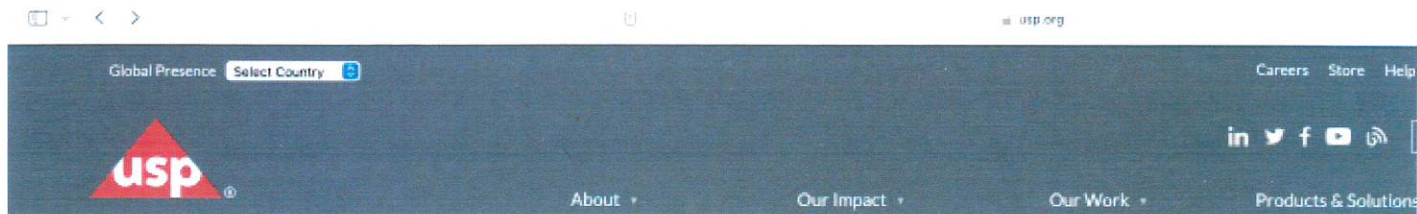
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- CONCLUSION
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WICKED

UP UNTIL 1942 (ABOUT THE EXACT SAME TIME THE ~~NAZIS~~ ~~WERE~~ LET OUT THE BACK DOOR OF THE NUREMBERG TRIALS AND COVERTLY LET LOOSE INTO ALL G20 NATIONS, NOT A COINCIDENCE AS THEIR BIGGEST ENEMY IS NATURE AND ~~THEIR~~ CREATION) CANNABIS WAS LISTED AS THE SAFEST OF ALL OPTIONS IN THE U.S. PHARMOCOEPIA FOR PHYSICIANS WHEN TREATING THEIR PATIENTS MEDICAL SYMPTOMS. IT IS NOW BACK AFTER A LONG AND FORCED HIATUS. CANNABIS HAS A NET NEGATIVE TOXICITY PROFILE ONCE DIGESTED IF PRODUCED PURE AND NOT PAIRED WITH ANY TOXINS WHEN CONSUMING THIS POWERHOUSE OF A (F) PHARMACY IN 1 PLANT. CANNABIS HAS ONE OF IF NOT THE LOWEST TOXICITY PROFILES FOR ALL FOODS AND MEDICINES OF WHICH THIS PLANT IS BOTH. THERE IS NO MORE LIFE SAVING AND ESSENTIAL MEDICINE THAN CANNABIS AND IT HAS NO SUBSTITUTES LIKE WE FIND WITH OTHER CATEGORIES LIKE MACRONUTRIENTS. CANNABIS IS CLASSIFIED AS FOOD AND MEDICINE. IT IS FURTHER SUB-CLASSIFIED

WITHIN FOOD AS A VEGETABLE, AND SUB-CLASSIFIED AS AN HERB WITHIN THE VEGETABLE FAMILY. IT WAS INTELLIGENTLY DESIGNED BY CREATION TO BE CONSUMED ORALLY WITH OTHER FOODS JUST LIKE ALL VEGGIES AND HERBS. WHEN WE CONSUME IT PROPERLY WE GAIN THE MAXIMUM BENEFIT CANNABIS HAS TO OFFER US. WHEN WE SMOKE, VAPE, OR DAB THIS MAGICAL VEGGIE WE LEAVE A LOT OF THE BENEFITS ON THE TABLE AND PICK UP A NASTY SIDE EFFECT PROFILE NON-EXISTENT WHEN WE POUND THIS PLANT PROPER.



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Proposed Cannabis Monograph Open for Public Comment in USP Herbal Compendium

Media Contact:

Anne Bell (she/her)

Email: adb@usp.org

Office: +1-301-998-6785

Rockville, Md., September 26, 2022 – The United States Pharmacopeia (USP) has opened a 90-day review period for their proposed *Cannabis Herbal Medicines Compendium (HMC)*, a laboratory quality standards testing reference used internationally. The proposed cannabis monograph provides information on physical reference standards, and acceptance criteria to establish the identity of cannabis chemotypes, content of cannabinoid

*Cannabis is becoming more widely accepted around the world and is being widely researched by many international organizations for medicinal purposes. USP's mission to improve global health is providing public standards and guidance to help ensure the quality of all medicines, including herbal medicines. The Director of the Center for Herbal Medicines, Science Officer.

During the HMC monograph review period, stakeholders, including manufacturers, researchers and regulators, are encouraged to evaluate the monograph as well as methods and specifications for identification, composition and contaminants. Publicly available standards can help improve the quality of current products and also help ensure the quality of current products by providing tools to identify and limit impurities, such as pesticides and heavy metals.

USP's proposed definition of *Cannabis* inflorescence in the HMC begins as follows:

*The article consists of the dried pistillate (female) inflorescence of the *Cannabis sativa* L. (Fam. Cannabaceae) and its subspecies, varieties, and cultivars to contain NLT 80% and NMT 120% of the labeled amount (in mg/g) of the total tetrahydrocannabinol (THC) including Δ^9 -THC and labeled amount (in mg/g) of the total cannabidiol (CBD) including CBD and CBDA.*

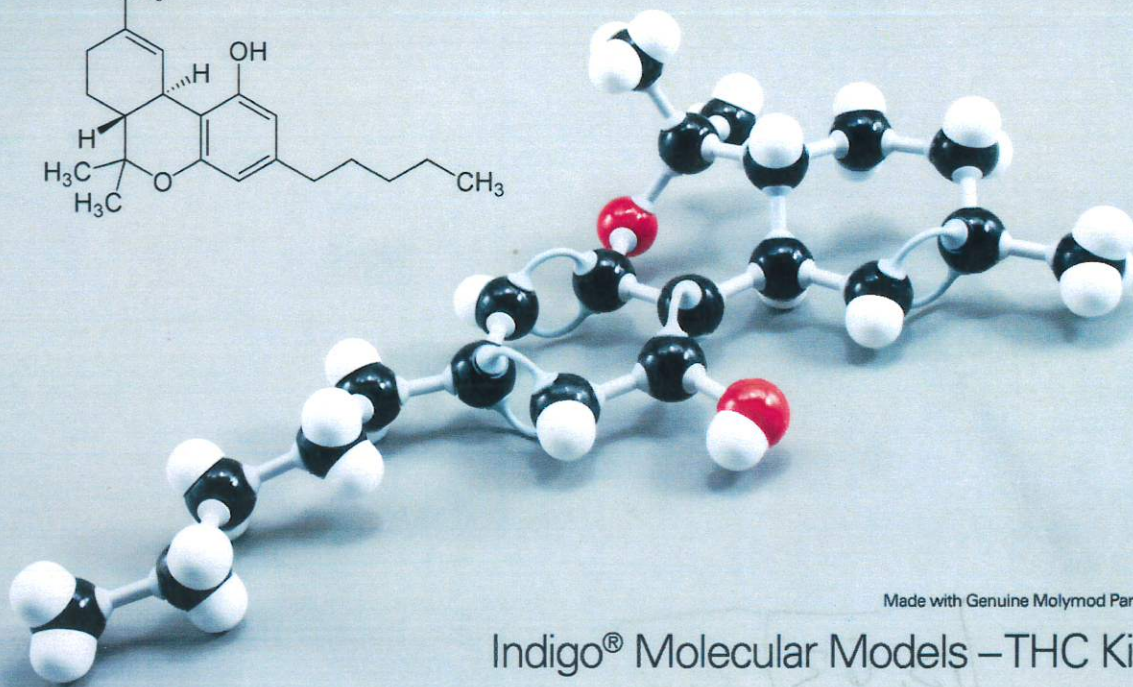
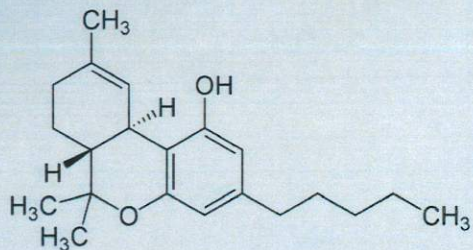
The proposed monograph continues by describing the analytical methods and acceptance criteria to define THC-dominant, CBD-dominant and

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Indigo Instruments

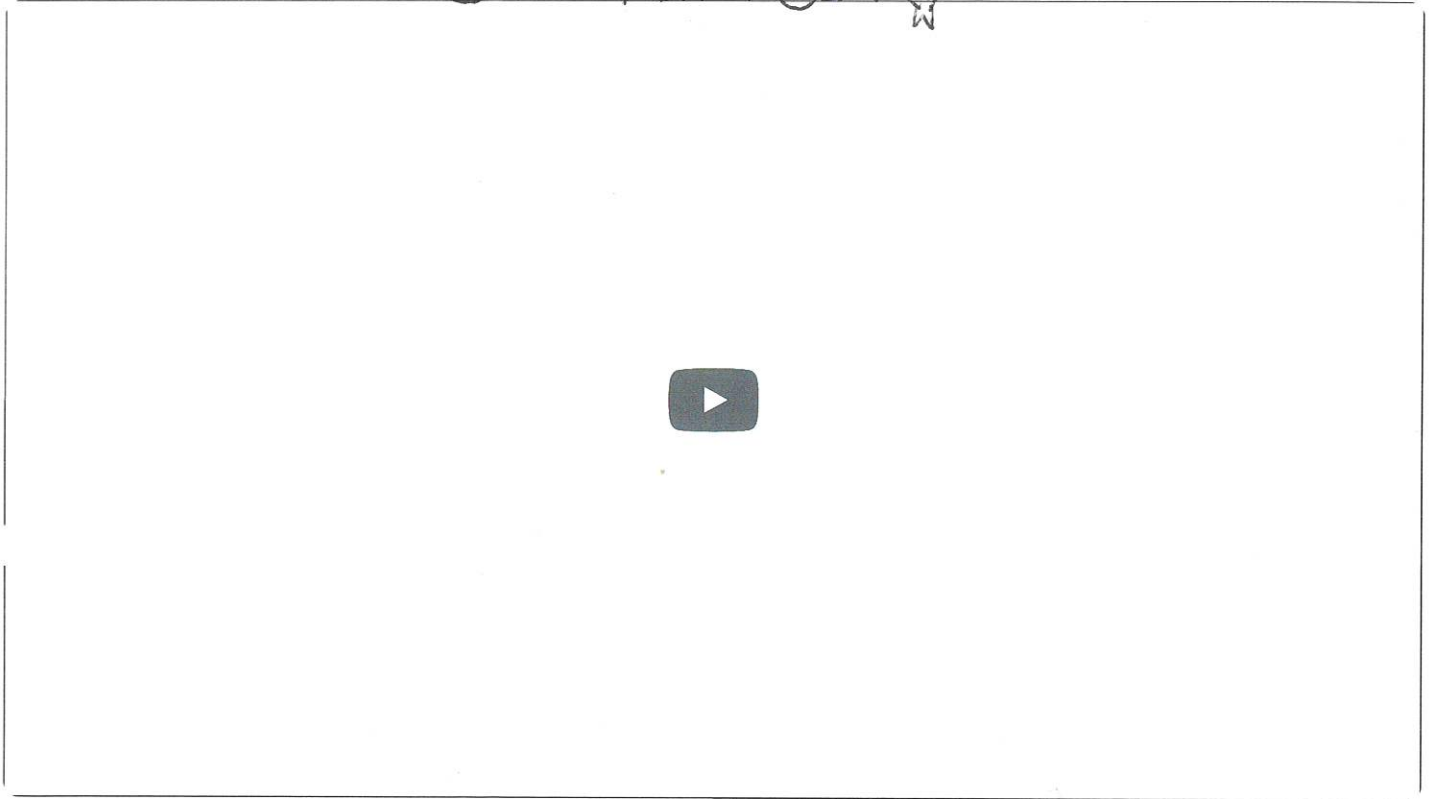


Made with Genuine Molymod Parts

Indigo[®] Molecular Models – THC Kit

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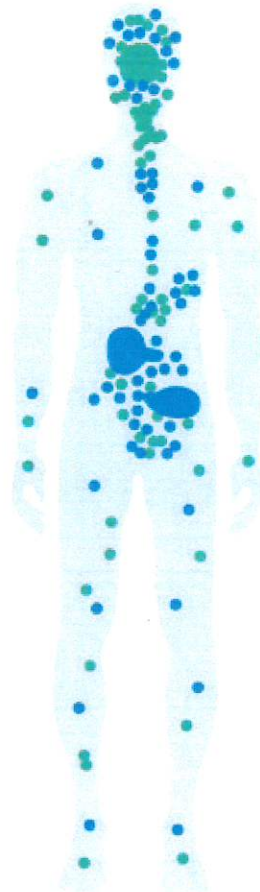
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But what is the endocannabinoid system exactly? And why is the system necessary for cannabinoids to even work? This guide details this bodily system – mainly how does the endocannabinoid system work, the endocannabinoid system function, and why it is crucial. This is true not only for cannabinoids but also for overall wellness.



CB1

CB1 Receptors target:

- Motor activity
- Thinking
- Motor co-ordination
- Appetite
- Short term memory
- Pain perception
- Immune cells

CB2

CB2 Receptors are much broader than CB1 and influence most of the body

- Gut
- Kidneys
- Pancreas
- Adipose tissue
- Skeletal muscle
- Bone
- Eye
- Tumours
- Reproductive system
- Immune system
- Respiratory tract
- Skin
- CNS
- Cardiovascular system
- Liver

What is the Endocannabinoid System?

The endocannabinoid system (ECS), also referred to as the endogenous cannabinoid system, is a complex physiologic network that stretches throughout the human body and helps establish and maintain overall health and wellness.

The endocannabinoid system is not only present inside human bodies but in all vertebrates, including mammals, reptiles, fish, amphibians, and birds.

CANNABIS

Caution &
Cannabis is Magical.
The MAGEVER OF
ALL MEDICINES.

THOSE

QUIT

! ? !
FAR
WOUNDS BETTER
THAN POPULAR
PRODUCTS USED BY MANY



Taken from Salt Lake City Telegram 5-20-19.

U. Researcher Reports

Marijuana Leaf Plays Epilepsy Cure Role

Drug principles isolated from leaves of marijuana, an innocent-looking plant that grows wild in different parts of the world, are playing an important role in research on a cure for epilepsy.

This is the same marijuana which so many people fear as a habit-forming drug and which is cited for the opium-like dreams it produces in those who partake of it.

The drugs being used are synthetic substances related to cannabinol, which is contained in marijuana, but does not produce the same effects. Dr. Jean P. Davis, research researcher at the University of Utah medical college, has done considerable research with the drugs in treatment of minor and convulsive epilepsy.

She reports that the drugs have been found effective about 50% of the time. Future for epileptics appears "very bright," she said, "because of not only one new drug, but a whole field of new compounds to combat epileptic seizures."

Helps Minor Seizures

One of these new drugs, trimethadione, is most effective in petit mal epilepsy, minor seizures common in younger patients. Another, paramethadione, a sort of second cousin to the first, is useful in such spells.

A third compound, called phenarone, is effective in psycho-motor seizures, sudden episodes of unusual behavior, accompanied by amnesia.

Epilepsy comes in four degrees: grand mal, marked by loss of consciousness, muscle tightening and twitching; petit mal or psychomotor epilepsy, with brief staring spells;

psycho-motor, accompanied by amnesia and unusual behavior, and Jacksonian, identified by retention of consciousness with progressive twitching and numbness of one leg or arm.

Mr. Davis is in charge of a section of the psychiatric clinic at Salt Lake General hospital, where she does some clinical work. She also instructs advanced courses in the departments of pharmacology and physiology at the university.

Began in 1929

According to Dr. Davis, actual valuable research with modern methods of fighting epilepsy came into their own in 1929 with the invention of the electro-encephalograph, an instrument for recording brain activity.

And the latest of the compounds used in treatment of the affliction was developed in 1948. Meanwhile, research is advancing at a rapid pace, Dr. Davis said.

She studied for three years under Dr. William Lennox, one of the top U. S. experts on epilepsy. She received her doctor of medicine degree at Yale university in 1943.

Most of her clinical work has been confined to children, with whom she "likes to work."

Triune-Telegram Staff Photo

Isolates Drug Principles From Leaves

Dr. Jean P. Davis, University of Utah medical college, finds drug principles isolated from marijuana effective in curing epilepsy.

M.R. Colledge
M.R. Colledge,
Narcotic Agent,
Salt Lake City, Utah.

? SEE WHAT I MEAN
BURY & HIDE ITS
MAGIC
WITH
FAKE/
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DECLASSIFIED
Authority MND957010

THIS IS WHAT HAPPENS WHEN THE MAJOR PILLARS OF SOCIETY FUSE ILLEGALLY UNDER A SOCIAL SYSTEM AKIN TO FASCISM, WHICH IS SIMPLY ONE BRANCH OF THE



Tribune-Telegram Staff Photo

Isolates Drug Principles From Leaves

Dr. Jean P. Davis, University of Utah medical college, finds drug principles isolated from marijuana effective in curing epilepsy.

U. Researcher Reports

Marijuana Leaf Plays Epilepsy Cure Role

Drug principles isolated from leaves of marijuana, an innocent-looking plant that grows wild in different parts of the world, are playing an important role in research on a cure for epilepsy.

This is the same marijuana which so many people fear as a habit-forming drug and which is noted for the opium-like dreams it produces in those who partake of it.

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THE OLDEST RELIGION ON EARTH STILL BEING CALLED SATANISM. CHILDREN ARE MASS HARMED AND THE LIES THAT LEAD TO THE HARM ARE PERPETUATED WHILE THE TRUTH IS HIDDEN OR OCCULTED FROM THE MASSES. SATANISM LEADS TO SATANITY WHERE WE HAVE, MASS PEDOPHILE RINGS OPERATING WITH BUSINESS LICENSES RIGHT IN OUR NEIGHBORHOODS, AND HUMANS LIVING HALF TO 1/3 OF THEIR POTENTIAL LIFE SPAN HAVING ACCESS TO 10% OF THEIR BIOTECH SUITE/BRAIN CREATION ENDOWED AND BESTOWED ON THEIR ETERNAL SOUL SO THEY COULD GROW TOWARDS THEM IN JOY. TO ENSLAVE HUMANS YOU FIRST WEAKEN THEIR BIOLOGICAL TECHNOLOGICAL SUITES THAT ARE TEMPLES TO THE SOUL AND VEHICLES GIVEN TO US BY OUR PARENTS FOR OUR LEARNING, GROWTH, AND ABSOLUTE JOY!

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> Cell Biochem Funct. 2021;39(3):432-441. doi: 10.1002/cbf.3609. Epub 2020 Dec 21

Role of marijuana components on the regenerative ability of stem cells

Henry Miller¹, Nicholas De Leo¹, Jeremy Badach¹, Andrew Lin¹, John Williamson¹, Steven Bonawitz¹, Olga Ostrovsky²

Affiliations + expand
PMID: 33349985 DOI: 10.1002/cbf.3609

Abstract

Stem cell therapy promotes tissue regeneration and wound healing. Efforts have been made to prime stem cells to enhance their regenerative abilities. Certain marijuana components, namely the non-psychoactive cannabidiol (CBD) and psychoactive tetrahydrocannabinol (THC), are defined as immunomodulators.⁹ We test whether two sources of stem cells, primed with CBD or THC, would demonstrate improved regenerative abilities. Human adipose-derived stem cells (ASCs) and bone marrow-derived stem cells (BMDSCs), not obtained from the same individual, were treated with low (300 nM) or high (3 μM) concentration CBD. Porcine ASCs and BMDSCs were isolated from a single pig, and treated with either low or high concentrations of CBD or THC. Transwell migration and MTT proliferation assays were performed on the human ASCs and BMDSCs. Also, transwell migration assay was performed on the porcine ASCs and BMDSCs. Finally, a wound healing scratch assay in porcine primary fibroblasts (PFs) was performed, co-cultured with the cannabinoid-treated ASCs. CBD priming at low concentration induces migration by 180% (P < .01) in porcine ASCs, and by only 93% (P < .02) in porcine BMDSCs. In porcine stem cells, THC priming at low concentration induces migration by 91.6% (P < .01) in ASCs but by only 44.3% (P < .03) in BMDSCs. Compared to PFs co-cultured with untreated ASCs, PFs co-cultured with low CBD-primed ASCs had 75% faster wound closure at 18 hours (P < .01). CBD and THC priming of ASCs and BMDSCs, particularly at lower doses, enhances a number of regenerative parameters, suggesting that these major marijuana components may improve stem cell-based therapies. SIGNIFICANCE OF THE STUDY:

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HAVE YOU EVER SEEN A PHARMACEUTICAL WITH THIS TYPE OF A SIDE EFFECT PROFILE? CELLULAR REGENERATION? NO GREATER TESTAMENT THIS IS CREATION'S CANNABIS AND THEIR COMMUNICATION CHANNEL CLEANER. MOM'S MAGICAL MEDICINE IS SO COOL AINT IT? I HAVE HUNDREDS OF STUDIES TO SHARE RIGHT HERE SO STAY TUNED. USE CANNABIS TO HELP YOUR TUNING.

KNOW ONE THING, IF THEY ARE LYING ABOUT WHAT THE PLANT IS CALLED YOU WILL GET NOTHING BUT LIES ABOUT HOW TO BEST UTILIZE THIS POWERHOUSE OF A PH(F)ARMACY IN 1 PLANT. MOM'S MOST MAGICAL MEDICINE. WHEN YOU SEE THE WORD MARIJUANA I WANT YOU TO NEXT THINK LIE AND BEGIN LOOKING FOR MORE. I WILL TRAIN YOU. ITS PRETTY EASY. LETS ROLL!!! THE COLORADO CANNABIS PROGRAM AND ITS LICENSED COMMIE FAKE-CANNABIS CLUS ARE COMMITTING CRIMES AND LYING ABOUT DAMNED NEAR EVERYTHING. MARIJUANA IS A FACADE FOR FAR MORE LIES. RIP THAT FACADE DOWN AND PUT UP CANNABIS. BE A MAN AND SPEAK TRUTH TO LIES. THERE IS NO MORE IMPORTANT WAY TO KEEP AMERICA SAFE AND FREE FOR ALL CITIZENS. SPEAK PURE TRUTH AND LOVE VIBRATIONS TO ALL LIES AND THEY WILL BE VANQUISHED FROM THE PUBLIC SQUARE. THIS IS WHY COMMIES SOUGHT DOUBLE SPEAK SOCIAL DISTANCING AND FACE MASKS. THEY SIT ON LIES AND NEED TO ELIMINATE MEN FROM SPEAKING TRUTHS TO THEIR LIES SO ALL MAY BE FURTHER ENSLAVED. IF YOU WANT TO LIVE FREE YOU HAVE TO BE SPEAKING UP ALL OF THE TIME. A STATE OF FREEDOM WILL NOT EXIST OTHERWISE.