

Granny Storm Crow's MMJ Reference List- January 2012

Well, here I am again, staring at this blank screen, trying to figure out what to say so you will share the information I have gathered. “Once the medical facts about cannabis become known, the need for legalization becomes obvious!” How many times have I said that? I need YOU to educate those around you. I can’t do it alone!

At times, it seems so futile- this never-ending battle against ignorance about cannabis. But I can’t give up - this simple herb has some amazing uses and people need to know what it can do.

Cannabis should be treated like any other medicinal herb, because that’s what it is, just an herbal medicine with a rather pleasant side effect- you feel “high”. Unlike common aspirin, cannabis never kills by overdose. Compared to some pharmaceutical drugs’ side effects, the “cotton-mouth”, “red eye”, “munchies” and “feeling a just bit too good” from using cannabis seems so trivial!

As Americans, we should be free to exercise our right to choose the type of medicines that we take. Anyone exhibiting the first signs of Alzheimer’s should be able to choose between Aricept, Marinol, or natural cannabis to slow the deposit of mind-clogging amyloid plaque.

“When tested at double the concentration of THC, Aricept blocked plaque formation only 22% as well as THC, and Cognex blocked plaque formation only 7% as well as THC.” (Marijuana May Slow Alzheimer's - WebMD, 2006)

Marinol is just a capsule of a pure synthetic THC dissolved in sesame oil. It will work, but some people find that it causes anxiety because it lacks CBD (cannabidiol) to balance the THC high.

Natural cannabis has CBD and other cannabinoids in it, which act in a different way to slow the progress of Alzheimer’s. (“Cannabidiol and other cannabinoids reduce microglial activation in vitro and in vivo: relevance to Alzheimer’s disease” - Molecular Pharmacology, 2011) I know which I would logically choose, but in 2/3s of the US, and everywhere by federal law, that choice is forbidden to us. Our government has banned our best choice!

Then there are thousands facing the severe nausea of chemotherapy- will they be able to keep an anti-nausea pill down long enough for it to work? Wouldn’t it be simpler to inhale some cannabis vapor, or smoke, and get almost instantaneous relief? In 16 states, you can!

And the pain from cancer? “Medical Marijuana a Success in Israel” – *“More than two-thirds of cancer patients who were prescribed medical marijuana to combat pain are reportedly satisfied with the treatment”* Are we less free than the Israelis? They are free to get legal, prescribed cannabis for cancer pain- are you? Our neighbor, Canada, has legal medical cannabis, and their government grows cannabis for patients! And surprise! The US has 4 federally legal MMJ patients and grows for them. The program is closed. No new patients allowed! Why? And why is cannabis research, all but banned in the US? This prohibitionist foolishness has to end!

2012 is supposed to be a time of change, an “interesting” year. It is time for us to demand a change in the laws on cannabis! We must keep telling the truth, keep presenting the facts to our friends and our families. The facts are there in PubMed- cannabis IS medicine! Our government lies to us about cannabis! And folks- **“If the truth won’t do, then something is wrong!”**

It Is Time for Marijuana to Be Reclassified as Something Other Than a Schedule I Drug!
(2005) <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1681626&tool=pmcentrez>

ACEA/ ARACHIDONYL-2'-CHLOROETHYLAMIDE - synthetic, CB1 agonist

The cannabinoids R(-)-7-hydroxy-delta-6-tetra-hydrocannabinol-dimethylheptyl (HU-210), 2-O-arachidonoylglycerylether (HU-310) and arachidonyl-2-chloroethylamide (ACEA) increase isoflurane provoked sleep duration by activation of cannabinoid 1 (CB1)-receptors in mice. (abst – 2002) <http://www.ncbi.nlm.nih.gov/pubmed/12095655>

In vivo effects of CB1 receptor ligands on lipid peroxidation and antioxidant defense systems in the rat brain of healthy and ethanol-treated rats. (full – 2006)
http://www.if-pan.krakow.pl/pjp/pdf/2006/6_876.pdf

Arachidonyl-2'-chloroethylamide, a highly selective cannabinoid CB1 receptor agonist, enhances the anticonvulsant action of valproate in the mouse maximal electroshock-induced seizure model. (abst – 2006) <http://www.ncbi.nlm.nih.gov/pubmed/16930590>

Opposing control of cannabinoid receptor stimulation on amyloid-beta-induced reactive gliosis: in vitro and in vivo evidence. (full - 2007)
<http://jpet.aspetjournals.org/content/322/3/1144.long>

Ultra-low dose cannabinoid antagonist AM251 enhances cannabinoid anticonvulsant effects in the pentylenetetrazole-induced seizure in mice. (abst – 2007)
<http://www.ncbi.nlm.nih.gov/pubmed/17870135>

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells (full - 2008)
<http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block>

Cannabinoid modulation of cutaneous Adelta nociceptors during inflammation.
(full – 2008) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585399/?tool=pubmed>

Cannabinoid-mediated antinociception is enhanced in rat osteoarthritic knees.
(full – 2008) <http://onlinelibrary.wiley.com/doi/10.1002/art.23156/full>

Cannabinoid receptor activation induces apoptosis through tumor necrosis factor alpha-mediated ceramide de novo synthesis in colon cancer cells. (full – 2008)
<http://clincancerres.aacrjournals.org/content/14/23/7691.long>

Endogenous cannabinoids induce fever through the activation of CB1 receptors.
(full – 2009) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765314/?tool=pubmed>

The effects of intracerebroventricular AM-251, a CB1-receptor antagonist, and ACEA, a CB1-receptor agonist, on penicillin-induced epileptiform activity in rats. (full – 2009)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1528-1167.2009.02098.x/full>

Involvement of nitrenergic system in the anticonvulsant effect of the cannabinoid CB(1) agonist ACEA in the pentylenetetrazole-induced seizure in mice. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19223154>

Involvement of nitric oxide in the gastroprotective effect of ACEA, a selective cannabinoid CB1 receptor agonist, on aspirin-induced gastric ulceration. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19827302>

Effect of arachidonyl-2'-chloroethylamide, a selective cannabinoid CB1 receptor agonist, on the protective action of the various antiepileptic drugs in the mouse maximal electroshock-induced seizure model. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19751793>

Role of cannabinoid CB1 receptors on macronutrient selection and satiety in rats. (abst – 2009) <http://www.ncbi.nlm.nih.gov/pubmed/19150453>

Regulatory Role of Cannabinoid Receptor 1 in Stress-Induced Excitotoxicity and Neuroinflammation (abst - 2010)
<http://www.nature.com/npp/journal/vaop/ncurrent/full/npp2010214a.html>

Alkamides and a neolignan from Echinacea purpurea roots and the interaction of alkamides with G-protein-coupled cannabinoid receptors. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21764086>

L-Type Calcium Channel Mediates Anticonvulsant Effect of Cannabinoids in Acute and Chronic Murine Models of Seizure. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21928146>

Changes in the cannabinoid (CB1) receptor expression level and G-protein activation in kainic acid induced seizures. (abst – 2011) <http://www.ncbi.nlm.nih.gov/pubmed/22079489>

Protective effect of cannabinoid CB1 receptor activation against altered intrinsic repetitive firing properties induced by A β neurotoxicity. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22172925>

Opposing Roles for Cannabinoid Receptor Type-1 (CB(1)) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/21937980>

Contrasting protective effects of cannabinoids against oxidative stress and amyloid- β evoked neurotoxicity in vitro. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22233683>

ACHILLES TENDINOSIS

Increased Expression of Cannabinoid CB(1) Receptors in Achilles Tendinosis.
(full – 2011) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3169627/?tool=pubmed>

ACNE

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities. (full – 2009)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pubmed>

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21628127>

ADD/ ADHD

ADHD by Ryan P (anecdotal - no date)
http://www.rxmarijuana.com/shared_comments/ADHD4.htm

Marijuana and ADD Therapeutic uses of Medical Marijuana in the treatment of ADD
(no date) <http://www.onlinepot.org/medical/add&mmj.htm>

Barba Jacob and the history of marihuana (abst – 1986)
<http://www.ncbi.nlm.nih.gov/pubmed/3296662>

How Cannabis Compares to other treatments (no date - 2008)
<http://dcsafeaccess.org/medical/how-cannabis-compares-to-other-treatments/>

Recipe For Trouble (anecdotal/ news - 2002)
<http://www.cbsnews.com/stories/2002/03/05/48hours/main503022.shtml>

Association between cannabinoid receptor gene (CNR1) and childhood attention deficit/hyperactivity disorder in Spanish male alcoholic patients (full - 2003)
<http://www.nature.com/mp/journal/v8/n5/full/4001278a.html>

Cannabinoids effective in animal model of hyperactivity disorder (abst - 2003)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=162#4

Cannabis 'Scripts to Calm Kids? (news - 2004)
<http://www.foxnews.com/story/0,2933,117541,00.html>

Fitness to drive in spite (because) of THC (abst - 2007)
http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness_to_drive_in_spite_because_of_THC%5D

Science: THC normalized impaired psychomotor performance and mood in a patient with hyperactivity disorder (news - 2007)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=254

Association of the Cannabinoid Receptor Gene (CNR1) With ADHD and Post-Traumatic Stress Disorder (full - 2008)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685476/?tool=pubmed>

Cannabis Improves Symptoms of ADHD (full - 2008)
http://www.cannabis-med.org/english/journal/en_2008_01_1.pdf

Cannabis use and adult ADHD symptoms. (abst - 2008)
<http://www.ncbi.nlm.nih.gov/pubmed/18242878>

Autism, ADD, ADHD and Marijuana Therapy (news - 2008)
<http://www.entheology.org/edoto/anmviewer.asp?a=319>

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications (abst – 2009) <http://pharmgkb.org/pmid/19897083>

Why I Give My 9-year-old Pot (anecdotal/news - 2009)
<http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot>

Why I Give My 9-Year-Old Pot, Part II (news/anecdotal - 2009)
<http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot-part-ii>

Why I Give My 9-Year-Old Pot, Part 3 (news - 2010) <http://www.slate.com/id/2251174/>

Science: Cannabis effective in the treatment of TOURETTE Syndrome and attention deficit hyperactivity disorder (ADHD) (news – 2010)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=323&search_pattern=tourette#2

Loss of striatal cannabinoid CB1 receptor function in attention-deficit/hyperactivity disorder mice with point-mutation of the dopamine transporter. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/22034972>

Why I Give My Autistic Son Pot, Part 4 (news – 2011)
<http://www.slate.com/id/2294072/?from=rss>

ADDICTION

An Abstinence Syndrome Following Chronic Administration of Delta-9-tetrahydrocannabinol in Rhesus Monkeys. (abst – 1980)
<http://www.ncbi.nlm.nih.gov/pubmed/6255508>

Abuse potential of dronabinol (Marinol). (abst – 1998)
<http://www.ncbi.nlm.nih.gov/pubmed/9692381>

Relative Addictiveness of Various Substances (full - 1990)
<http://www.ukcia.org/research/addictiv.htm>

Genetic differences in delta 9-tetrahydrocannabinol-induced facilitation of brain stimulation reward as measured by a rate-frequency curve-shift electrical brain stimulation paradigm in three different rat strains. (abst – 1996)
<http://www.ncbi.nlm.nih.gov/pubmed/8649214>

Anandamide, an Endogenous Cannabinoid, Has a Very Low Physical Dependence Potential (full - 1998)
<http://jpet.aspetjournals.org/content/287/2/598.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=480&resourcectype=HWCIT>

Delta9-tetrahydrocannabinol releases and facilitates the effects of endogenous enkephalins: reduction in morphine withdrawal syndrome without change in rewarding effect. (abst – 2001) <http://www.ncbi.nlm.nih.gov/pubmed/11359533>

Chronic Morphine Modulates the Contents of the Endocannabinoid, 2-Arachidonoyl Glycerol, in Rat Brain (full - 2003)
<http://www.nature.com/npp/journal/v28/n6/full/1300117a.html>

Does Cannabis Use Predict Poor Outcome for Heroin-dependent Patients on Maintenance Treatment? Past Findings and More Evidence Against. (abst – 2003)
<http://medical-journals.healia.com/doc/12603227/Does-cannabis-use-predict-poor-outcome-for-heroin-dependent-patients-on-maintenance-treatment-Past-findings-and-more-evidence-against>

Cannabis Abuse is Not a Risk Factor for Treatment Outcome in Methadone Maintenance Treatment: a 1-year Prospective Study in an Israeli Clinic. (abst – 2004)
<http://www.ncbi.nlm.nih.gov/pubmed/14731193>

Alcohol Consumption Moderates the Link Between Cannabis Use and Cannabis Dependence in an Internet Survey. (abst – 2005)
<http://psycnet.apa.org/journals/adb/19/2/212/>

Confirming alcohol-moderated links between cannabis use and dependence in a national sample (abst – 2006) <http://www.sciencedirect.com/science/article/pii/S0306460305002959>

Long term marijuana users seeking medical cannabis in California (2001–2007): demographics, social characteristics, patterns of cannabis and other drug use of 4117 applicants (full - 2007) <http://www.harmreductionjournal.com/content/4/1/16>

Lack of behavioral sensitization after repeated exposure to THC in mice and comparison to methamphetamine (full - 2007)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637562/?tool=pubmed>

Merck Manual - Marijuana (Cannabis) (excerpt - 2008)
<http://www.merckmanuals.com/professional/sec23/ch352/ch352i.html?qt=marijuana&alt=sh>

Study of 4000 indicates marijuana discourages use of hard drugs. (news – 2008)
<http://www.csdp.org/publicservice/medicalmj08.htm>

Calling B.S. on the Idea of 'Marijuana Addiction' (news – 2008)
<http://www.alternet.org/drugs/80408/?page=entire>

When Your Kid Smokes Pot (news – 2008)
<http://mensnewsdaily.com/2010/08/08/when-your-kid-smokes-pot/>

Adolescent Exposure to Chronic Delta-9-Tetrahydrocannabinol Blocks Opiate Dependence in Maternally Deprived Rats (full - 2009)
<http://www.nature.com/npp/journal/v34/n11/full/npp200970a.html>

The Surprising Effect Of Marijuana On Morphine Dependence (news - 2009)
http://www.redorbit.com/news/health/1716066/the_surprising_effect_of_marijuana_on_morphine_dependence/

Active Ingredient In Cannabis Eliminates Morphine Dependence In Rats (news - 2009)
<http://www.sciencedaily.com/releases/2009/07/090706090440.htm>

Four percent of adults worldwide using cannabis (news – 2009)
<http://www.independent.co.uk/life-style/health-and-families/health-news/four-percent-of-adults-worldwide-using-cannabis-1804190.html>

Medical marijuana users in substance abuse treatment. (full – 2010)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848643/?tool=pubmed>

Teen Pot Smoking Won't Lead to Other Drugs as Adults (news - 2010)
<http://www.webmd.com/parenting/news/20100902/teen-pot-smoking-wont-lead-to-other-drugs-as-adults>

Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez>

Abuse potential and psychoactive effects of δ -9-tetrahydrocannabinol and cannabidiol oromucosal spray (Sativex), a new cannabinoid medicine. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21542664>

Dronabinol for the treatment of cannabis dependence: a randomized, double-blind, placebo-controlled trial. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21310551/abstract/Dronabinol_for_the_treatment_of_cannabis_dependence:_a_randomized_double_blind_placebo_controlled_trial

The genetic basis of the endocannabinoid system and drug addiction in humans (abst – 2011) <http://jop.sagepub.com/content/early/2011/09/20/0269881111416689>

Exercise can reduce cannabis use in persons who don't want to stop (news – 2011)
<http://www.news-medical.net/news/20110304/Exercise-can-reduce-cannabis-use-in-persons-who-dont-want-to-stop.aspx>

Medical marijuana laws in 50 states: Investigating the relationship between state legalization of medical marijuana and marijuana use, abuse and dependence. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22099393>

2-AG / 2-ARACHIDONOYLGLYCEROL - endocannabinoid, CB1 & CB 2 agonist

2-Arachidonoylglycerol: A Possible Endogenous Cannabinoid Receptor Ligand in Brain (abst – 1995) <http://www.sciencedirect.com/science/article/pii/S0006291X85724370>

A Second Endogenous Cannabinoid That Modulates Long-term Potentiation. (abst – 1997)
<http://medical-journals.healia.com/doc/9285589/A-second-endogenous-cannabinoid-that-modulates-long-term-potentiation>

Brain Chemicals Mimic Marijuana (news - 1997)
<http://www.ukcia.org/research/anandami.php>

2-Arachidonoyl-glycerol as an "endocannabinoid": limelight for a formerly neglected metabolite. (abst - 1998) <http://www.ncbi.nlm.nih.gov/pubmed/9526090>

Evidence That the Cannabinoid CB1 Receptor Is a 2-Arachidonoylglycerol Receptor (full – 1999) <http://www.jbc.org/content/274/5/2794.long>

Endocannabinoids control spasticity in a multiple sclerosis model (full - 2000)
<http://www.fasebj.org/cgi/reprint/00-0399fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT>

Endocannabinoid 2-arachidonyl glycerol is a full agonist through human type 2 cannabinoid receptor: antagonism by anandamide. (full – 2000)
<http://molpharm.aspetjournals.org/content/57/5/1045.long>

Endocannabinoids and Vascular Function (full - 2000)

<http://jpet.aspetjournals.org/content/294/1/27.long>

Cardiovascular effects of endocannabinoids--the plot thickens. (abst - 2000)

http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Retrieve&list_uids=10785543&dopt=abstractplus

Despite substantial degradation, 2-arachidonoylglycerol is a potent full efficacy agonist mediating CB(1) receptor-dependent G-protein activation in rat cerebellar membranes.

(full - 2001) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572991/?tool=pubmed>

Endogenous cannabinoids mediate hypotension after experimental myocardial infarction (full - 2001)

<http://content.onlinejacc.org/cgi/content/full/38/7/2048?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT>

Inhibition of Rat C6 Glioma Cell Proliferation by Endogenous and Synthetic Cannabinoids. Relative Involvement of Cannabinoid and Vanilloid Receptors

(full - 2001) <http://jpet.aspetjournals.org/content/299/3/951.full>

Cannabinoid CB1-receptor mediated regulation of gastrointestinal motility in mice in a model of intestinal inflammation (full - 2001)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572987/?tool=pmcentrez>

2-Arachidonyl glyceryl ether, an endogenous agonist of the cannabinoid CB1 receptor

(full - 2001) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC31108/>

An endogenous cannabinoid (2-AG) is neuroprotective after brain injury.

(abst - 2001) <http://www.ncbi.nlm.nih.gov/pubmed/11586361>

Sourcing the Code: Searching for the Evolutionary Origins of Cannabinoid Receptors, Vanilloid Receptors, and Anandamide (full - 2002)

<http://www.cannabis-med.org/data/pdf/2002-01-3.pdf>

Activation of PAF receptors results in enhanced synthesis of 2-arachidonoylglycerol (2-AG) in immune cells (full - 2002)

<http://www.fasebj.org/cgi/content/full/15/12/2171?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT>

The potent emetogenic effects of the endocannabinoid, 2-AG (2-arachidonoylglycerol) are blocked by delta(9)-tetrahydrocannabinol and other cannabinoids. (full - 2002)

<http://jpet.aspetjournals.org/content/300/1/34.long>

Comparison of the enzymatic stability and intraocular pressure effects of 2-

arachidonoylglycerol and noladin ether, a novel putative endocannabinoid. (full - 2002)

<http://www.iovs.org/content/43/10/3216.full>

Endocannabinoid levels in rat limbic forebrain and hypothalamus in relation to fasting, feeding and satiation: stimulation of eating by 2-arachidonoyl glycerol. (full – 2002)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573386/?tool=pubmed>

Changes in endocannabinoid contents in the brain of rats chronically exposed to nicotine, ethanol or cocaine. (abst – 2002) <http://www.ncbi.nlm.nih.gov/pubmed/12393235>

Endocannabinoids protect the rat isolated heart against ischaemia (full - 2003)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573907/?tool=pmcentrez>

Chronic Morphine Modulates the Contents of the Endocannabinoid, 2-Arachidonoyl Glycerol, in Rat Brain (full - 2003)
<http://www.nature.com/npp/journal/v28/n6/full/1300117a.html>

Role of Endogenous Cannabinoids in Synaptic Signaling (full - 2003)
<http://physrev.physiology.org/cgi/content/full/83/3/1017?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT>

The Endogenous Cannabinoid System Regulates Seizure Frequency and Duration in a Model of Temporal Lobe Epilepsy (full - 2003)
<http://jpet.aspetjournals.org/content/307/1/129.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT>

Manipulation of the endocannabinoid system by a general anaesthetic. (full – 2003)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573927/?tool=pubmed>

Cannabinoid influences on palatability: microstructural analysis of sucrose drinking after delta(9)-tetrahydrocannabinol, anandamide, 2-arachidonoyl glycerol and SR141716. (abst – 2003) <http://www.ncbi.nlm.nih.gov/pubmed/12447606>

Short-term fasting and prolonged semistarvation have opposite effects on 2-AG levels in mouse brain. (abst – 2003) <http://www.ncbi.nlm.nih.gov/pubmed/12914975>

The endocannabinoid system: a general view and latest additions (full - 2004)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574255/?tool=pmcentrez>

New perspectives in the studies on endocannabinoid and cannabis: 2-arachidonoylglycerol as a possible novel mediator of inflammation (full - 2004)
http://www.jstage.jst.go.jp/article/jphs/96/4/367/_pdf

2-Arachidonoylglycerol A Novel Inhibitor of Androgen-Independent Prostate Cancer Cell Invasion (full - 2004)
<http://cancerres.aacrjournals.org/cgi/content/full/64/24/8826?ijkey=951f5f9d238bdf059cf30ee2be3a5a31aaf2b094>

The endocannabinoid-CB receptor system: Importance for development and in pediatric disease. (abst - 2004) <http://www.ncbi.nlm.nih.gov/pubmed/15159678>

A new class of inhibitors of 2-arachidonoylglycerol hydrolysis and invasion of prostate cancer cells (full – 2005) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1450257/>

Analgesia through endogenous cannabinoids (full - 2005)
<http://www.cmaj.ca/cgi/content/full/173/4/357?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=endocannabinoid&andexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=date&resourcetype=HWCIT>

CB1 cannabinoid receptor-mediated modulation of food intake in mice (full - 2005)
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576140/?tool=pmcentrez>

Effects of cannabinoids on colonic muscle contractility and tension in guinea pigs.
(full – 2005) http://www.jstage.jst.go.jp/article/jnms/72/1/72_43/article

The endocannabinoid 2-AG protects the blood-brain barrier after closed head injury and inhibits mRNA expression of proinflammatory cytokines. (abst - 2005)
<http://lib.bioinfo.pl/pmid:16364651>

Finding of endocannabinoids in human eye tissues: implications for glaucoma.
(abst – 2005) <http://www.ncbi.nlm.nih.gov/pubmed/15823551>

Body's Own Marijuana-Like Compounds Are Crucial For Stress-Induced Pain Relief
(news - 2005) <http://www.sciencedaily.com/releases/2005/06/050628064435.htm>

Regulation, Function, and Dysregulation of Endocannabinoids in Models of Adipose and β -Pancreatic Cells and in Obesity and Hyperglycemia (full - 2006)
<http://jcem.endojournals.org/cgi/content/full/91/8/3171?ikey=83a68cef202eafe129332eda53eee8eb61349982>

Endocannabinoids, feeding and suckling – from our perspective (full – 2006)
<http://www.nature.com/ijo/journal/v30/n1s/full/0803274a.html>

Not Too Excited? Thank Your Endocannabinoids (full - 2006)
<http://www.sciencedirect.com/science/article/pii/S0896627306005927>

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CANCER - MELANOMA

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CANCER - OVARIAN

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CANCER - PANCREATIC

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Cannabinoids in pancreatic cancer: Correlation with survival and pain (full - 2008)
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<http://www.landesbioscience.com/journals/autophagy/SalazarAUTO5-7.pdf>

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CANCER - PITUITARY ADENOMA

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CANCER - PROSTATE

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<http://www.patentstorm.us/applications/20070041994/fulltext.html>

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Endocannabinoids in endocrine and related tumours (full - 2008)

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CANCER - RHABDOMYOSARCOMA

Cannabinoid receptor 1 is a potential drug target for treatment of translocation-positive rhabdomyosarcoma (full - 2009) <http://mct.aacrjournals.org/content/8/7/1838.full>

CANCER - RISK CANNABIS VS TOBACCO

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Cannabis and tobacco smoke are not equally carcinogenic (full - 2005)

<http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1277837>

Smoking Marijuana Does Not Cause Lung Cancer (news - 2005)

<http://www.mapinc.org/drugnews/v05/n1065/a03.html>

Cannabis Smoke Is Less Likely To Cause Cancer Than Tobacco Smoke (news - 2005)

<http://www.sciencedaily.com/releases/2005/10/051019003339.htm>

Blunt Smokers Link Dependence Potential To Nicotine (news - 2006)

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Marijuana Smoking Found Non-Carcinogenic (news - 2006)

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Cannabis Smoke and Cancer: Assessing the Risk (news - 2008)

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CANCER - SKIN

Inhibition of skin tumor growth and angiogenesis in vivo by activation of cannabinoid

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Starting Point Of Sun-Induced Skin Cancer Discovered: Molecular 'Hooks' Also Pull Compounds From Marijuana From Bloodstream (news - 2008)

<http://www.sciencedaily.com/releases/2008/05/080515072642.htm>

U of Minnesota researcher discovers the starting point of sun-induced skin cancer (news – 2008)

<http://www.bio-medicine.org/medicine-news-1/U-of-Minnesota-researcher-discovers-the-starting-point-of-sun-induced-skin-cancer-19419-1/>

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CANCER – SQUAMOUS CELL CARCINOMA

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Marijuana use and Risk of Oral Squamous Cell Carcinoma (full - 2004)

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Peripheral Cannabinoids Attenuate Carcinoma Induced Nociception in Mice

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<http://cancerpreventionresearch.aacrjournals.org/cgi/content/abstract/2/8/759>

Effects of Cannabinoids on Oral Squamous Cell Carcinoma Proliferation

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<http://iadr.confex.com/iadr/2009miami/webprogram/Paper120589.html>

Cannabis Oil Shrinks “One Of The Worst” Cancers (news – infomercial – 2012) (warning: graphic photos)

<http://cannabiscureuk.wordpress.com/2012/01/11/breaking-news-cannabis-science-inc-cannabis-oil-shrinks-one-of-the-worst-cancers/>

CANCER - TESTICULAR

Chemotherapy for Testicular Cancer (anecdotal - no date)

http://www.rxmarihuana.com/shared_comments/testicularchemo.htm

Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients with nonseminomatous testicular cancer receiving cisplatin therapy (abst- 1986)

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CANCER - THYMOMA

A comparative study on cannabidiol-induced apoptosis in murine thymocytes and EL-4 thymoma cell (abst- 2008)

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CANCER - THYROID

Control by the endogenous cannabinoid system of ras oncogene-dependent tumor growth (full - 2001)

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Inhibitory effects of cannabinoid CB1 receptor stimulation on tumor growth and metastatic spreading: actions on signals involved in angiogenesis and metastasis1

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CBR – GPR-40 CANNABINOID RECEPTOR - activated by GW1100, TAK-875

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<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494688/?tool=pubmed>

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<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671040/?tool=pubmed>

Acute administration of GPR40 receptor agonist potentiates glucose-stimulated insulin secretion in vivo in the rat. (abst – 2009) <http://www.ncbi.nlm.nih.gov/pubmed/19217448>

Takeda moves potential first-in-class diabetes drug into phase III (news – 2011)
<http://www.inpharm.com/news/166980/takeda-diabetes-tak-875-phase-iii>

CBR - GPR55/ CB3 CANNABINOID RECEPTOR

Activated by THC, CBD, O-1602, PEA, 2-AG, Anandamide

Cannabinoid Receptor Ligands (full - no date)

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GPR55 is a novel cannabinoid receptor (full - 2007) (needs registration)

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GPR55: Current Knowledge and Future Perspectives of a Purported "Type-3" Cannabinoid Receptor. (abst - 2010)

<http://www.ncbi.nlm.nih.gov/pubmed/20166924>

Cannabinoids and the gut: new developments and emerging concepts (abst - 2010)

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A role for L-alpha-lysophosphatidylinositol and GPR55 in the modulation of migration, orientation and polarization of human breast cancer cells. (abst - 2010)

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The putative cannabinoid receptor GPR55 defines a novel autocrine loop in cancer cell proliferation. (abst – 2011) <http://www.ncbi.nlm.nih.gov/pubmed/20838378>

CBR - GPR109 CANNABINOID RECEPTOR

Nicotinic acid inhibits progression of atherosclerosis in mice through its receptor GPR109A expressed by immune cells (full – 2011)
[http://www.jci.org/articles/view/41651?search\[abstract_text\]=&search\[article_text\]=cannabinoid&search\[authors_text\]=&search\[fpage\]=&search\[issue\]=&search\[title_text\]=&search\[volume](http://www.jci.org/articles/view/41651?search[abstract_text]=&search[article_text]=cannabinoid&search[authors_text]=&search[fpage]=&search[issue]=&search[title_text]=&search[volume)

CBR - GPR119 CANNABINOID RECEPTOR - activated by PEA, OEA

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Science: THC effective in obsessive compulsive disorder according to case reports
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OMEGA-3/ CB1 CONNECTION (without Omega 3, new CB1 receptors are made imperfectly)
also see NUTRITION – HEMP SEED OIL, CBR- CB1 receptors

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Successfully treated invasive pulmonary aspergillosis associated with smoking marijuana in a renal transplant recipient. (abst - 1996) <http://www.ncbi.nlm.nih.gov/pubmed/8685958>

Exogenous lipid pneumonia related to smoking weed oil following cadaveric renal transplantation (abst, click for full- 2000) <http://www.ncbi.nlm.nih.gov/sites/pubmed>

Marinol Death Sentence: Oregon Man Denied Liver Transplant Because of Prescription - He's Not the Only One (news – 2003) <http://stopthedrugwar.org/chronicle-old/299/notransplant.shtml>

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New Weapon In Battle Against Osteoporosis (news - 2006)
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VISION- also see GLAUCOMA

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YOUNG ADULTS - see CHILDREN/ YOUNG ADULTS

A few definitions to help you along-

Agonist – a chemical that activates a receptor

Analogue – a synthetic version

Anandamide - A “messenger chemical” made by your body – similar to THC

Angiogenesis - making new blood vessels, often to feed a tumor

Antagonist – a chemical that blocks the action of an agonist

Anti-nociception- pain relieving

Anxiolytic – calming, anti-anxiety

Apoptosis - a process that leads to the normally programmed death of a cell.

Autophagy – the cell self-destructs

Beta amyloid plaque / β -amyloid/ $A\beta$ – the stuff that gums up your brain in Alzheimer’s

Bronchodilator – opens up the lungs

Cannabinoids –they activate CB receptors and come from your body, cannabis or labs.

Chronic – long term

Downregulation – a decrease in number

Endocannabinoid – a chemical messenger made by your body- anandamide and 2-AG

Endocannabinoid System – a system of chemical receptors on and between your cells

Endogenous – made in your own body

Epidermal – pertaining to the skin

Hyperalgesia – severe pain

In vivo – in a live animal

In vitro – in a test tube

Ischemia – damage from lack of blood to an area

Ligand - a chemical that binds to a receptor. THC is a ligand of CB1 and CB2 receptors

Metastasis – spreading through the body

Neurogenesis – new brain cells are being formed

Neuropathic Pain – pain due to nerve injury

Neuroprotective – protects nerves and brain cells

Nonpsychoactive – won’t get you high

Phytocannabinoid – a cannabinoid produced by a plant – THC and CBD are examples

Receptors - These receive the chemical messages and send them into our cells.

Upregulation – increase in number

Vasodilator – expands the blood vessels

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Introduction - July 2011- This year's message to all of you is a little different. I am going to be explaining a major scientific discovery- the Omega-3 / CB1 connection, and how it affects your healing with cannabis! But to understand fully this discovery, we need to revisit Biology 101.

Every cell in your body has tiny chemical receptors all over the cell's "skin" or cell membrane. These receptors work kind of like an ignition switch- you put the right type of chemical "key" into a receptor and it "turns on" some kind of action. The type 1 cannabinoid receptors (CB1s) are the ones we are interested in looking at. They are found both in the body and the brain.

"Turning on" a CB1 receptor with either an endocannabinoid that your body makes, or a phytocannabinoid like THC, can result in many different things occurring. A cancer cell may be "told" to die through a process called *apoptosis*, it may activate a basic instinct such as nursing, soothe an irritated digestive tract, or simply ease your pain. The CB1 receptors in your brain are the ones to blame, or praise, for the cannabis "high".

Every time a cell divides, whether it is a brain cell, or a body cell, it needs to make new "skin" to grow back to its full size, and that involves making a whole bunch of new receptors.

And this is where the cutting-edge science starts-- to make functional CB1 receptors, you absolutely need Omega-3! In "***Nutritional omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions***", the Omega-6-rich "western diet" is implicated in our declining mental and physical health. The "ideal" proportion of Omega-6 to Omega-3 is around 3 to 4 parts Omega-6 to every 1 part Omega-3. Our "western diet" can deliver up to a 50 to 1 ratio!

When no Omega-3 is available, our bodies will "jury-rig" a new receptor with an Omega-6 where there should be an Omega-3. This results in a small, but important chunk, the Gi/o effector protein, not getting attached. As with a machine, the pieces need to be assembled right to work!

A drop in the number of working CB1 receptors is an early clinical sign in Parkinson's, colon cancer, Huntington's, and heralds a high risk for premature birth. Mice bred to be low in CB1 receptors have more severe heart attacks and strokes. Cancers ravage them. They age and become senile earlier than normal mice. They are used to study neurological conditions and bowel disorders. They often seem depressed. They sound a lot like many modern Americans.

The three most common sources of Omega-3 are fish oil, flax seed oil and hemp seed oil.

Cannabis is an effective and safe herbal medicine, but we need functioning CB1 receptors for it to work its miracles. Virtually every person needs more Omega-3 in their diet, but none as much as the medical users of cannabis! Cannabis heals us using our cannabinoid receptors, and also provides the Omega-3 that we need to make healthy CB receptors, so we can heal. And that is the simple, but scientific truth.

If the truth won't do, then something is wrong!

Introduction - July 2010 - This is my third year of sharing "Granny's list" with all of you. Last year, I told you "How this list came about." This year, it's "Why you should be sharing my list!"

From 60 pages, a symbolic celebration of my then 60 years on Earth, my list has grown to an equally symbolic 420 pages of links, in hopeful anticipation of the dawning of medical freedom in other states.

My "Granny's list" contains 100s of studies about cannabis and how can heal- all done in an environment of "strong discouragement" on the part of the US government. How large my collection would be if research into this healing herb had been unrestricted? What would we know if we could have researched during those 70- odd years of prohibition?

As a medicine, cannabis is potentially invaluable- this collection is ample proof of that! From stopping hiccups, to halting breast cancer's terrible spread, cannabis works! But there are still too many "may"s and "might"s when it comes to cannabis. We need more research, which will not, and cannot, happen until cannabis is legalized and rescheduled.

When I began using cannabis medically over 40 years ago, there was no such thing as "medical use"- not even the concept existed! Education has made the difference. Somewhere along the line, every one of the people who have voted to legalize medical use in their state, learned that cannabis was an effective medicine, perhaps from a relative's use, or from a program they saw, or a study they read. They learned the truth.

In a Canadian survey of doctors, a majority admitted that most of what they knew about cannabis came from their patients! They had learned only the "government line" in medical school. That was in Canada, where medical use is federally legal! So how much does your doctor really know about cannabis? My list gives you a way to educate him.

And you shouldn't stop with your doctor. Local city councilmen and commissioners have the power to ban dispensaries through local ordinances. It is easier to educate them before it's an issue. They need the medical facts about cannabis to make logical decisions!

We all know someone who has diabetes, fibro, cancer or MS. They shouldn't have to suffer, physically, financially, or legally, for using a safer-than-aspirin herbal medicine. One they could easily grow if sane cannabis laws were in place. Home-grown cannabis is cheaper and works faster than any pill and the side effects are far more pleasant.

Cannabis, with its remarkable safety record, should be the first medicine tried, not be the medicine of last resort! It is only by educating others, that we can bring cannabis back into mainstream medicine where it belongs. Please share the facts about cannabis with those around you, and back them up with medical studies from my list.

The simple truth is "Cannabis heals". And as my wise old grandfather once said, **"If the truth won't do, then something is wrong!"**

Intro - 2008

"If the truth won't do, then something is wrong!"

Those were the furious words of my grandfather to my Mother. I had walked in from joyfully stuffing my face with red raspberries in the garden, straight into "war zone"! My gentle grandfather in a fury, his hand raised! Mom was just beginning to shrink back away from him. They saw me and quickly sent me away. But it was too late, the scene and the words were seared into my 5-year-old brain. That was over 55 years ago, but I still remember it clearly. My grandfather was a minister, one very short step away from God in my 5 year old mind. It was one of those life changing moments. It is still rare for me to tell a lie. I never found out what my Mother's lie was.

As I child, I suffered a traumatic head injury. Another child tried to murder me with a hammer. I was left with frequent migraines. At 19, like many rebellious teens, I tried cannabis. It took about a year for me to make the connection between using cannabis and the absence of my normally frequent migraines. I have used cannabis ever since.

I am an avid reader. While perusing an old book on herbal medicine, I read how the little old ladies of Mexico made and used a cannabis/tequila rub on their arthritic hands. Then I met Joey, an epileptic musician. He told me another interesting fact- when he had pot he could cut his medication in half! On a camping trip years later, I smelled an unmistakable odor. Following my nose, I was totally shocked to find a grandmotherly lady in her 70s puffing away on a delicate oriental pipe. "Parkinson's. And the pot's way cheaper than the pills!" Her nephew kept her well supplied, she said. We had a nice chat about various medical uses of cannabis.

Epilepsy, Parkinson's, arthritis, and my migraines! What else was it good for? Yet every news article on cannabis that I saw, claimed one new horror after another. Men grew breasts and were impotent. Women became sterile or miscarried. It made you crazy and murderous. Made you lazy and do nothing. It caused cancer and heart attacks...What I had learned on my own and from others and what I was being told in the press were so different!

What was the truth? I began researching. I printed the first studies up and kept them in a notebook, just as a personal reference. The notebook quickly filled. I started a Word file of the URLs and on July 30 2007, I posted it. It continues to grow.

Here's some of what I have found. All I've done is copy the URLs, then put them all in some semblance order for everyone to use as a reference. Please feel free to share this list with anyone who could benefit from it.

July 30, 2007

It's my 60th birthday! That's a pretty big milestone. I've out-lived my beautiful, crazy mother (59 years 11 months) and I've been married and toking for 40 years. So, since 60 rolls around only once, I decided to give you a gift! I thought I'd share my notebook with you. It is a compilation of medical studies, news articles and information on cannabis.

In addition to the obvious use of people who are ill getting information on what might heal them, I hope that many of you will take up a challenge from me. I want this spread around- to your doctor, your politicians, ministers, and anyone who could use the info.

Information does no good if it is hoarded. If you know someone who is ill, copy and paste the part they need, or print up the article, and mail it to them (anonymously, might be a good idea in a lot of cases). Also, send a page or three of a print out of the titles and URLs and a typed message (again anonymously) leading to this post to your doctor. Something simple, like "Want to know more? Visit here!" and give the URL.

I'm hoping that in return for the hours I spent collecting this, you will give me a present in return- mailing this out and telling others. By spreading knowledge to help others, you give them power over their own lives! Knowledge is power! And the truth will set us free (to smoke our pot in peace!) - Storm Crow