

佛教與 H提案:

曼都仙諾郡禁止基因改造生物的生長與養殖

Buddhism and Measure H:

Banning the Growing and Raising of Genetically Modified Organisms in Mendocino County

B象乾敷授 2004 年 2 月 14 日購於萬佛城大殿 BY RON EPSTEIN, PHD. AT THE CITY OF TEN THOUSAND BUDDHAS ON FEBRUARY 14, 2004 近廣節 中原 CINNESE TRANSLATION BY JIN GWANG SHR

我很感謝法師邀請我今晚來滕滕。也 許有些人在想 H 提案和佛法有什麼關係 - -我們需要利用聽經的時間來瞭解它?我們 應該記得一切法都是佛法; 上人也教護我 們,我們住在哪裡就對那個國家要盡義務 。在世界上,美國是少數的幾個國家 - - 人 民能有機會自由地修行佛法,而不受到政 府的干擾或壓迫,因爲這是個民主國家, 有宗教自由。爲保持宗教自由和國家的民 主,我們這些國民,不論居士或出家眾, 都必須負起責任。如果你是一國的公民, 你就有義務參與明智的選舉。如果你是老 師,就有責任教育學生知識和盡國民的義 務。如果你是學生,就該瞭解何謂負責任 的公民。如果你都不是以上的身份,你還 是有責任去盡力減輕這國家內一切有情眾 生的苦。基於以上的原因,我們應該瞭解 H提案以及它與佛法的關係。

這是佛教首次在一個真正民主的關窓 上現,在佛教的歷史上這樣運舉的義務從 未有過。我問題解釋佛教僧如原因于與民 主政府的關係。一動這聲申,確保我們有智 即的民意代表。 解選舉的內容等等,這些在佛教裡都是前 所未有的。上人常說他對這國家便聽意 顯意盡力揮忙。他聽是鼓勵製作例公民的

該爲政府選賢與能。

I would like to thank the Sangha for inviting me to speak with you tonight. Some of you may be wondering what Measure H has to do with the Buddhadharma and why we are taking time during the period for sutra lectures to discuss it. I think it's very important to remember that all dharmas are Buddhadharmas, and that the Venerable Master Hua taught us that we have a responsibility towards the country in which we are living. This is one of the few places in the world where we can freely practice Buddhism without interference or oppression from the government. This is a democratic country in which the principle of freedom of religion is practiced. In order to protect freedom of religion and to maintain the democracy in this country, all the people in the country, including us-both lay Buddhists and monastic Buddhists-must act responsibly. If you are a citizen, you have the responsibility to vote intelligently. If you are a teacher, you have a responsibility to teach the students how to be knowledgeable and responsible citizens of this country. And if you are a student, you should learn what it means to be a responsible citizen. And if you are in none of those categories, you still have a responsibility to do whatever you can to lessen the suffering of all the sentient beings in this country. That is why it is important that you understand about Measure H and its relationship to the Buddhadharma.

Here in the United States is really the first time that Buddhism has existed in a ruly democratic country. Throughout most of the history of Buddhism, this kind of responsibility was not an issue. And so the relationship of the Sungha and the Buddhist layecople to a democratic government—voting, making suwe what yee good representatives in the government, making sure that we have good laws, and that we understand what we are voting for—all these things are relatively new in Buddhism. The Venerable Master Hus often said that we understand what was regarded to this country and wanted to do whatever 在3月2日的選舉。有兩個重要的提 來在3月2日的選舉。有兩個重要的提 ,一是選舉代表本區的都委員,另一個則 是日提案。日提案如果通過。法合將禁止 在曼都仙路部飲基因改造生物的生長養職 ,我聽說政府得多差限收到能這個職 案令人提補的選舉文宣,而不知到底該反 對論這個問題。

基因改造生物包括植物、動物、細菌 、病毒、樹木、昆蟲及各種有情類都可以 由基因工程重新變化,以人造的方式把一 細生物的主氣核離核酸(DNA)移植到另 一種生物上;例如植物的去氧核醣核酸移 到動物身上,或動物的移到植物上,或甚 至於人的去氣核醣核酸移到你所吃的蔬果 裡, 消此都是基因工程改造的基因改造生 物(GMOs)的例子。這些基因改造生物都 不是經過自然繁殖或交配接種而產生的, 而是在去氧核醣核酸基本結構上的改變, 去氯核醣核酸是決定這個生物如何成長的 基本模式。去氫核醣核酸包含基因,基因 再製造出核糖核酸,接著製造核酸,核酸 再製造蛋白質。蛋白質是一切生物的基本 構造。也就是說,基因工程能非自然性地 , 跨渦牛物種類的界線來改變所有牛物最 基本的去氣核醣核酸。將來很可能在無意 之中,科學家會改變人類的去氧核醣核酸 , 使支持我們身體修行以便開悟的系統受 到破壞。

讓我告訴各位寫什麼我會成寫日提案 的發起人,在1990年代早期,設體到料學 家把蟲和動物面的發達,因 房我是素食新所以我就很關心它,我可不 想吃到有蟲或動物基因的食物,我您那是 回事,結果不但發現這種蔬菜與的已經結 做出來,而且避發現他們愛然此的蘇起 他此遊蔬菜種,因為法令並未規定要加標 養,所以根本集法得知你吃的是否是素菜 he could to help it, and he always encouraged those of us who were citizens to make sure that we voted and selected wholesome people to hold public office.

In the election coming up on March 2, we have two very important tasks that affect the City of Ten Thousand Buddhas and Dharma Realm Buddhist University directly. One is voting for the country supervisor for our district and the other is voting on Measure H. If approved, Measure H will ban the growing and raising of genetically modified organisms in Mendocino County. I've heard that many registered voters at the City of Ten Thousand Buddhas have gotten some confusing campaign literature in the mail about this particular measure and don't know whether to vote for or against it, and that's with I've come to discuss it with you.

Genetically modified organisms are organisms (plants, animals, bacteria, viruses, trees, insects, all kind of sentient life forms) that are made or transformed through genetic engineering, which involves artificially moving the DNA from one species to another species. For example, using genetic engineering you can put plant DNA in animals, or animal DNA in plants, or human DNA in the vegetables or fruit that you eat. All of these are examples of genetic engineering creating genetically modified organisms (GMOs). These GMOs are different than anything that would naturally occur or that would be developed through breeding or hybridizing. GMOs have fundamental changes in their DNA, which is the program for determining how the particular organism will develop. DNA contains genes, which then create RNA, which then creates nucleic acids, which then creates proteins, Proteins are the basic building blocks of all living things. In other words, genetic engineering changes the fundamental DNA of all living things in a way which is very unnatural and cuts across species boundaries. It is very possible that in the future, scientists will, probably unintentionally, change human DNA, so that the bodily support systems for the process of self-cultivation that leads to enlightenment are damaged.

Now I want to tell you something about the history of how I became an author of Measure H. In the early 1990's I read that scientists were putting insect and animal genes in vegetables. As a vegetarian I was very concerned, because I didn't want to eat vegetables that had insect and animal genes in them. I felt that this violated Buddhist principles about pure vegetarian food, and so I started looking into this matter. Not only delf I find out that such vegetables were actually being developed, but I also found out that some scientists were putting humans genes into vegetables. Since there were no laws to require labeling of GMO vegetables, there was no wayto know whether you were eating pure vegetables or vegetables with weird genes in them. In 1993 I wore a short article for Vajira Bodhi Sea about the

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。那時我就給〈金剛菩提海〉寫了一篇短 文說明基因工程對素食者造成的危機,希 划法總的佛方都能知悉。那時的絕輯委員 會最後把文章早給上人定奪,上人說: 「這是非常重要的,你們必須趕快登在 (金剛菩提海)裡,並且要引起大家的注 意。」後來上人間我爲什麼寫了這篇文章 ? 我說:「這種科技發展很危險,因爲它 不加法,而日對環境也不好。, 上人就說 :「你把它寫出來真好。你說的完全對, 我們必須採取行動,否則基因工程就會危 事到清個世界,你潛雕該繼續寬。. 1996年法總的董事會正式涌過了一項決議 ,全文如下:「法總相信基因工程所生產 的食物不合佛法,它沒有保證,實改自然 形態,我們的世界在最根本、最危險的層 次受到它的影響。沒有標籤的基因工程食 物就違反了宗教自由。因爲沒有標籤,佛 教徒就無法避孕冒到基因改造的食物,以 致令佛教素食者違背了他們基本的信仰教 理。佛數素食者也無法避孕買到含肉類基 因的食品。法總鼓勵所有國家都應對基因 工程的食物加上標籤。

不論您受害藩就或且吃素,或者您 来受戒但想吃業,您都應該購心程基因改 造的生物。因為目前食物沒有標明。但估 計美國約有70-80% 包裝食品都是輕點因改 遊卻未註明的。除非能自己耕種。否則您 該要買有機與危品。依國家有機換物標準 是食品內基因改造生物不能超過1%,所 以您如果想要吃純素,大概您只有去買有 權食品。

有些人或許認爲:「這個問題美國政 府會管制的,像美國食物毒品行政處、農 業能或環係應該解解。這些心的故實驗 : 也應該推廣相關法規並敦促食物加標 所以沒們可以清楚食物的安全性。」一 個開想的反主國家鑑如此。歐洲聯盟對差 因改造生物的危險較敏感,因爲他們大都 不讓基因改造的生物進入市場,進口的基 dangers of genetic engineering for vegerarians, because I wanted all of the members of DRBA (Dharma Realm Buddhist Association) to become aware of the problem. The editorial board of Vajira Bodhi Sea eventually took the article to the Venerable Master, who said that this was really, really important and that they should publish the article right away in a fashion that would draw everyone's attention to it. Soon afterwards the Master asked me why! I wrote the article, and I said, "Well, I think this development in science and technology is very dangerous. It goes against Buddhist principles, and it's going to not be good for the environment." The Master then told me that it was very good that I had written the article, that I was completely correct, and if we dain't do something about it, genetic engineering would cause tree mendous damage to the world. He then strongly encouraged me to continue to write about the dangers of this genetic engineering.

In 1996 the Board of Directors of the Dharma Realm Buddhist Association (DRBA) passed a formal resolution about genetically modified organisms, which reads: "DRBA believes that genetic engineering of food is not in accord with the teachings of Buddhism Buddhism considers genetic engineering of foods to be unwarranted tampering with the natural patterns of our world at the most basic and dangerous levels. DRBA believes that the lack of labeling of geneticallyengineered food is a detact voidation of neligious freedom Without labeling, Buddhists have no way to avoid purchasing foods that violate their basic religious beliefs and principles. And Buddhist vegetarians have no way to avoid purchasing foods that contain genes from non-vegetarian sources. The DRBA urges all countries to require labeling of all genetically engineered foods."

Therefore, if you have taken the Bodhisattva precepts to eat pure vegetarian food, or if you have not taken the Bodhisattva precepts and you want to eat pure vegetarian food, this is an issue that concerns you.

It is estimated that about 70-80% of all the packaged food in the United States has GMOs in it already, even though they are not labeled. The closest you can come to avoiding GMOs in your food, other than growing your own food from organic seed, is to buy organic food, because according to the National Organic Standard, anything that is labeled as officially certified organic cannot have more than a very small amount of GMOs in it. In all other cases, you won't know whether you are eating GMOs or not.

Some of you may be thinking "Well if there is a problem with GMOs, the US. Government Food and Drug Administration or the Department of Agriculture or the Environmental Protection Agency should be aware of it, do careful testing, and then propagate regulations and do labeling, so that we can know what is safe and what is not safe." In an ideal democracy, that would be the case. In the



因工程食品一律都必須標示; 美國卻沒有 清哪做。爲什麽美國沒有?我國的民主受 到嚴重的損壞,最簡單的解釋是在商業和 政府之間有一個旋轉門 - - 所謂「官爾勾 結」。由克林頓開始至今日美國總統布希 的內閱,許多生產基因改造生物的跨國公 司,以大筆政治獻金贈給克林頓總統或布 希總統以及很多的參議員和民意代表等。 因爲他們對政府很有影響力,克林頓總統 和布希總統就會任命這些商業人士去制定 有關消也行業的規章,讓企業界告訴政府 他們自己的產品哪些安全或不安全,政府 不用獨立進行任何測試。也就是說,官方 對基因改造生物缺乏有效的監控,或客觀 的測試,以確認它是否會危害人類和我們 的環境。由於政府的確失,我們大家在基 因改造生物計劃中不自營地成了天竺鼠, 淮行清個堪稱人類歷史上最大的實驗。基 因改造的生物--日被釋放到我們環境裡, 就不能再收回了。經過基因工程改造的生 物,會有新合成的去氣核醣核酸,他們會 永遠污染人類、動植物的基因。如果華國 涌用公司會出有問題的汽車,廠商必須告 版所有購買的消費者:「我們不知道產品 有瑕疵,請把車退廠修理,或換部新車。 , 可是基因改造的食物送出後, 就算有問 题, 也無法再做任何改變了, 因爲它們已 經成低我們身體的一部份,成低自然環境 之一部份。

因為國家未做好聯邦政府營儉的工作,所以我和幾位關心人士就把它要或提案 讓大家投票英技、選票上的獎案是有所限 制的,因為有聯邦法令的限制,沒們就須 就們不能在那種立法改變,所以我們只 能盡力而為在本部保護居民和環境。這是 一個很獨特的方式,所以這些關歷生物料 我公司便出各層稱海來反對這樂書大眾的不實 資訊,一這種提案基礎不夠科學、花費 European Union there is a lot more sensitivity to the dangers of GMOs. and for the most part they are not imported into the European Union, and those that are must be labeled. That is not the case in the United States. Why? It is because here in the United States there has been a serious breakdown of our democratic processes on the national level. The simplest way to explain that breakdown is what is known as a "revolving door" between industry and government. In other words, starting with the Clinton administration and now the administration of President Bush, the multinational corporations who make GMO products have contributed tremendous amounts of money to both President Clinton and President Bush and also to many senators and representatives. Because they have a tremendous amount of influence in the government, both Presidents Clinton and Bush appointed people from these industries to do the regulation of these industries, and allowed the industries to tell the government whether their products were safe or not, without the government doing any independent testing. What this means is, on the national level, there is no effective oversight of GMOs and no program of objective testing to see whether these products are safe for human beings and the environment. Because of this governmental failure, we are all unwilling and uninformed guinea pigs in what is probably the biggest experiment with human health and well-being in all of human history. Not only is that the case, but when these GMOs are released into the environment. they cannot be recalled. They will genetically pollute humans, animals, and plants forever with novel combinations of DNA. Suppose General Motors sells a car model that has some defects. According to the law, General Motors must tell everybody who has bought that car, "We didn't know it, but there was a defect in the car; please bring it back and we will fix it or give you a new car." But if we find out that there are dangers or defects in these GMO products, they cannot be recalled. They will be part of our physical nature, and part of the nature of the environment as long as we can conceive.

Because the federal government is not doing its job, I and a number of concerned citizens got together and put Measure H on the ballot. This ballot measure is limited, because we can only regulate things that are not pre-empted by federal law For example, we cannot make a law at the county level about anything that has to do with inter-state commerce. And so Measure H is the best that we can do right now to protect people and the environment in Mendocino Country, Since the measure takes a novel approach, the banning of growing or raising of GMOs, the international bio-tech companies are very concerned about it and are doing whatever they can to stop it. They are pouring a lot of money into the county to give people false or melaeding information about the measur. They are claiming that it is



大、稅款會增高、會干擾隱私權。」這些 都是騙人的,可是我們沒有辦法制止他們 消 麼做,他們有勢又多金。

修行大乘佛法是要利公界生的,所以 我們有個特別的責任,不光是爲我們自己 的福利,也是爲瑜珈市和曼都仙諾所有的 **赵**居,都應該要主動周遭發生的事。您如 果想要更深入地瞭解佛教和基因工程生物 的關係,請參閱刊登在(金剛菩提海)和 (東西方宗教雜誌) 上本人的交音。謝謝 大家激請我今晚來這裡和你分享。

編按:經選民投票,此提案已獲多數 通過,正式成爲法令。萬佛聖城所在的曼 都仙諾郡,成爲美國第一個禁止種植及蓄 發基因改造生物的那縣!

based on bad science, that it will be very expensive, that it will raise taxes, and that it will interfere with people's privacy. None of these claims is true, but there is no way to stop them from spreading this disinformation. They are very powerful, and they have a lot of money.

Part of Mahayana Buddhist practice is taking responsibility for the welfare of all sentient beings, and that means that we have a special responsibility, not only to ourselves and our own welfare, but also to our neighbors in Ukiah and Mendocino County. That means that we have to be aware of what's going on around us. Those of you who would like to find out more about Buddhism and genetic engineering can take a look at my articles published in Vaira Bodhi Sea magazine and in the Religion East and West journal. You can also look at my website "Genetic Engineering and Its Dangers." Thank you for inviting me to come and discuss Measure H with you.

Editor's Note: Measure H was approved by the voters and is now law Mendocino County, where the City of Ten Thousand Buddhas is located, is the first county in the United States to ban the growing or raising of GMOs

(上接第37頁)

我以前就是念念經,根本就坐不住, 我的眼是非常硬的,現在經過訓練之後, 可以坐一個小時,主要是忍,這是我這次 的收獲。因爲我知道坐禪的好處,所以我 選住的地方,離決界宗教研究院很近的, 每天早晨六點鐘就去坐禪一小時。

坐禪中腿疼是很苦惱的事情, 因爲會 坐不住; 另外一方面又感到腿疼也有它的 好處,因爲腿疼每天不睏,不會感到想睡 優,每天早晨天潭沒亮,我就去柏克萊佛 寺,是比較睏,但等打坐完畢出來之時, 就感到自己精神非常官爽、感覺非常好、 所以腿疼也有它的好處, 活是我自己的一 點體會。

最後,我有一個最真心懇切的心願, 各位法師,日後如果有機會,讀到大陸去 宣揚上人的佛法,讓很多饑渴的大陸人民 能夠聽到正法,能夠把這個失去的東西再 找回來, 消是我最直越襲切的希望。

(Continued from page 37)

I would recite sutras occasionally. Basically, I could not sit still. My legs were very stiff. After some training, I can now sit still for one hour. The most important factor is patience. This is what I learned. Since I am aware of the benefits of Chan meditation, I chose to live very near the Institute for World Religions (Berkeley), where I join their hour-long Chan meditation every morning at 6 o'clock.

The leg pain you experience in Chan meditation is anguish. You can hardly sit still. On the other hand, the benefit of aching legs is you cannot doze off since you are in pain. When I go to Berkeley Monastery before dawn, I feel sleepy. When I leave after sitting meditation, my energy level is high and I feel great. This is my own observation. Aching legs do serve a purpose.

Lastly. I have a very sincere wish. I wish that should the chance arise in the future, I beseech that our Dharma Masters will go to China to propagate the Buddhadharma taught by our Venerable Master. This would enable more people starving for Buddhadharma in China to hear the Proper Dharma and help them retrieve what they have lost. This is my most earnest wish.







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