

Dr. GODDARD. No physical signs of withdrawal upon cessation of usage of drugs. Persons are psychologically dependent upon but not addicted to.

Mr. WATSON. Who have no problems in withdrawal, someone who is dependent upon the drug? That is your position?

Dr. GODDARD. Well, I admit this gets down to trying to medically define the difference between addiction and dependence. In the World Health Organization they prefer now and in other organizations to talk about drug dependence which is a spectrum of problems with drugs going from the person who is psychologically dependent or habituated to the use of a drug or a compound such as tobacco on up through the person who is physically dependent upon a drug such as the opiate derivative heroin. So there is a whole spectrum.

Mr. WATSON. Doctor, oftentimes the mental dependence of a drug is just as serious as a physical dependence, but you are now trying to tell us it is easy for a person to withdraw without any problems.

Dr. GODDARD. I didn't say it was easy, sir; I said there was no physical signs of withdrawal.

Mr. WATSON. May I say in all respects I am afraid a disservice has been done in this regard.

The CHAIRMAN. Mr. Adams.

Mr. ADAMS. Continuing on that, Dr. Goddard, I preface this by saying that I have both prosecuted cases dealing with the hard narcotics and so-called soft narcotics and dealt with addicts as witnesses. Actually what you are referring to as addiction is an actual physical change in the nerve ends, are you not? the so-called hard narcotics when they cause withdrawal systems, it is produced by a physical deterioration in those nerve ends, isn't that true?

When they speak of withdrawal, when they say the skin crawls, it literally crawls, does it not?

Dr. GODDARD. Yes.

Mr. ADAMS. Whereas, with the others the problem may be extremely difficult but it is a mental problem as it is with stopping smoking, stopping alcohol, stopping all the rest?

Dr. GODDARD. Yes.

Mr. ADAMS. And it may be terribly severe and it may be something that the person cannot overcome?

Dr. GODDARD. That is correct. I stopped smoking cigarettes and it was an extremely difficult thing to do.

Mr. ADAMS. And you will have various degrees of this.

Now, I asked Mr. Van Deerlin to yield because I am concerned about, and I think your message covers, a broader spectrum than marihuana. What you are basically saying is that alcohol as well as marihuana as well as the hallucinogens over a broad spectrum are all extremely dangerous and bad for the general health of the individual, isn't that right?

Dr. GODDARD. Yes.

Mr. ADAMS. And that we should be examining all of these in terms of what we apply as specific penalties for the activity that is involved?

Dr. GODDARD. That is correct.

Mr. ADAMS. All right. Now, I know that there has been and I want to know if there is presently pending a study between the Bureau of Narcotics and FDA on jurisdiction over the band that lies between the