

Mr. HUGHES. That is my understanding, Mr. Chairman.

Chairman BLATNIK. Since we have Mr. Finlator, would you give us your definition?

Mr. FINLATOR. I don't know that I am competent. Should I write it or speak on it?

Chairman BLATNIK. Any way you wish.

Mr. HOLIFIELD. Speak on it.

Chairman BLATNIK. Speak on it and you can revise or extend your remarks.

Mr. FINLATOR. I don't know that I am competent to speak on this subject, sir. In the scientific world sometimes we have a different language than we do in the other world.

The narcotics are physically habituating or dependent-producing. That is, the opiates and that type of drug. Whereas, the hallucinogens, such as marihuana, are not physically addicting but they maybe psychologically dependent-producing.

The amphetamines are also psychologically producing but not physically habit forming; whereas the barbiturates, very strongly so, and you have the same type of withdrawals as you do from the sleeping pills, goof balls, barbiturates, and others as you do from narcotics.

Mr. HOLIFIELD. There is a division between the nonnarcotic drugs. Some are habit forming and some are not.

Mr. FINLATOR. The narcotic drugs, as I understand it, the opiates are all habit forming. To use a better word than habit forming they are strongly physically dependent-producing.

Chairman BLATNIK. They cause distinct chemical reactions on a chemical functioning of the system of the body, and produce extreme, severe distress, perspiring, nausea.

Mr. FINLATOR. That is right.

Chairman BLATNIK. The symptoms literally compel them to get another dose, shot, to compel them to alleviate the extreme distress.

Mr. FINLATOR. Maybe psychologically but not physically.

Chairman BLATNIK. I am talking about physically.

Mr. FINLATOR. Yes. And the person who gets into the drug syndrome does use other drugs, and other drugs, and other drugs. Whether it is psychologically or physically is a question that you will have to ask the scientists who have studied it.

Basically the hard narcotics from the opiates and barbiturates are physically dependent-producing drugs. The others are psychologically dependent-producing. That is basically the difference.

Chairman BLATNIK. Mr. Giordano?

Mr. GIORDANO. The only thing I can add, with narcotics you have both the physical and psychological dependence. You have in narcotics the difference between that and barbiturates in that you have a tolerance. With narcotics it calls for increasing dosages, whereas with barbiturates it is not necessarily so.

However, both barbiturates and narcotics have the same withdrawal syndrome to a degree. With narcotics there is the need for increasing dosage.

Chairman BLATNIK. LSD requires increasing dosage. Doesn't the body develop a tolerance on LSD which is not a narcotic?

Mr. FINLATOR. I beg your pardon?