

effects that take place as quoted in at least one major news magazine that not infrequently marihuana is at least a constituent of the so-called drug culture shadow world that we see. It certainly is dangerous and should be viewed with a great deal of concern by organized society.

Am I correct on this matter?

Dr. GODDARD. Yes, sir.

Mr. DINGELL. You have indicated to us that we do not know fully the physiological impact of the use of marihuana; am I correct?

Dr. GODDARD. That is correct.

Mr. DINGELL. But I read here in an article which I took out of the Washington Post, an article entitled "Doctor Finds Marihuana Far From Harmless," he goes on quoting Dr. Constandinos J. Miras of the University of Athens. He says:

I can recognize a chronic marihuana user from afar by the way he walks and talks and acts.

Do you have any knowledge that would indicate to you that this is not a factual statement?

Dr. GODDARD. I would have difficulty based on my reading of the literature on this subject and discussion of the subject with my colleagues that someone could tell one person who uses marihuana from afar by the way he walks, talks, and acts.

Mr. DINGELL. Mr. Miras' conclusions are based on 20 years' observation of chronic marihuana smokers in Greece. He defined a chronic marihuana user as one who smokes at least two marihuana cigarettes a day for 2 years or longer and he goes on to say he begins to see the personality changing typifying the long-term user—slow speech, the lethargy, the lowered individual activity.

He went on to say as follows:

They will accept as perfectly possible things which five years ago they did not even like to hear discussed. They will become suddenly silent without apparently provocation; they will even kill.

Then the article states that Dr. Miras is a pharmacologist. He goes on to cite this effect. He says:

Many of the human objectives he has been studying—

Referring to Dr. Miras—

were teachers, members of the arts, graduates of years past. Many of them left their professions and looked in other jobs but preferred most of all to sleep and talk of philosophy, he said.

Are these circumstances observable circumstances in connection with users of marihuana, Doctor?

Dr. GODDARD. Let me make two points, Mr. Dingell.

First is the pattern of usage. The use in other countries differs from our patterns. First of all, the drug, itself, may be different. It is often more powerful. In other words, the resin or marihuana is more commonly used in other countries of the world than it is in the United States where we tend to use the leaves which are pharmacologically less active, so you are dealing with a drug at a higher concentration. This is the point I want to make.

We have not had enough long-term experience or experience with long-term chronic users. We do know it is a dangerous drug. I cannot refute his statement but it is dangerous to make categorical state-