

Senator HAYAKAWA. But what I am quoting is your statement that propoxyphene and other analgesics should be used in the postoperative period for pain relief. These are your own words, Doctor, in 1968.

Dr. ADRIANI. In 1968?

Senator HAYAKAWA. Yes, in an article in *Anesthesia and Analgesics*, on drug dependence, an article you wrote with Dr. Morgan on drug considerations.

Senator NELSON. May I refresh your memory? You may recall in the hearings in 1970 in which you testified—

Dr. ADRIANI. Yes.

Senator NELSON [continuing]. I would have to look back in the record, but the fact was discovered subsequently that propoxyphene is addictive and was not known in 1970. In 1970, one of the arguments for Darvon was that unlike codeine, which might have addictive properties, Darvon did not, and therefore as to that particular problem Darvon was preferable.

Dr. ADRIANI. Yes.

Senator NELSON. In the past 8 years it has been clearly demonstrated—what was not known then—that it is addictive.

Dr. ADRIANI. Yes.

Senator NELSON. The only issue in our hearings in 1970, as I recall it, was the issue of effectiveness, in which all of the expert witnesses testified as did you that it was less effective.

Dr. ADRIANI. That is right.

Senator NELSON. Less effective than aspirin or acetaminophen.

Dr. ADRIANI. Now you are referring to an article that I wrote using analgesics in drug-dependent persons, is that right?

Senator HAYAKAWA. Drug dependency is a consideration; yes. It was on drug dependency.

Dr. ADRIANI. It was an article on drug dependency and I have always advocated that if we know that a patient is drug-dependent we do not use a narcotic or any drug that we know that produces dependency. We do not want to get him back on drugs that cause dependency.

At that time, the addiction liability of propoxyphene was minimal. There seemed to be some discussion that it was but not significantly so, and we did not consider it addicting like codeine.

Generally, most addicts start with codeine and move over to Demerol and then something else stronger. I had a former pupil who became dependent on codeine. This man stayed with codeine all the time, which is unusual. In relieving pain in patients who we know were drug dependent and are no longer dependent; they have been cured, so to speak; we stay away from addicting drugs or we do not give them anything. A drug like propoxyphene at that time seemed to be indicated.

Senator HAYAKAWA. I understand at that time the addictive quality that you say exists in propoxyphene had not been clearly established; is that what you are saying?

Dr. ADRIANI. That is right.

Senator HAYAKAWA. Thank you, very much.

Senator NELSON. Any other questions?

Thank you.

Senator BUMPERS. How much caffeine, or how many milligrams of caffeine are in an ordinary cup of coffee?