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## Eat Salmon With DDT For Years Without Harmful Effect, Says Professor

You can eat Coho Salmon containing 19 parts per million of DDT, morning, noon, and night as your total diet for a least 19 years without any harmful effect. Dr. Wayland J. Hayes, former Chief of Toxicology of the United States Public Health Service, testified as DDT hearings resumed in Madison. Dr. Hayes based his conclusion on the results of his research with DDT factory workers with intensive exposure, and with human volunteers to whom DDT was fed at higher levels without ill effect.

Dr. Hayes, now professor of biochemistry at Vanderbilt University, Nashville, Tennessee, advised there is no danger to the public in current uses of DDT, either from residues in food or from environmental exposure to the pesticide. He appeared as lead-off witness at the resumption of hearings held by the Wisconsin Department of Natural Resources, on a petition to ban certain uses of DDT in the state.

Eradication of malaria in the United States was brought about through the use of DDT and while it no longer exists here as a serious threat to public health, Dr. Hayes testified, it remains a major killer of people in many parts of the world. At one time malaria killed two million people and left millions of others debilitated from the disease each year. He said, "DDT still remains the most important single tool for control of malaria." There undoubtedly would be a resurgence of malaria in many parts of the world should DDT be banned, he added.

Thus, a ban on DDT would prove "disastrous", Dr. Hayes declared. He also testified there would be an adverse effect on the control of malaria particularly in emerging nations which look to the U.S. for

leadership. Dr. Hayes said he feared people in other countries would feel that if DDT were banned in the U.S., it would not be safe for use in their countries, and that many human lives would be needlessly lost. He told of the first time in history a typhus epidemic was ever controlled, when, a generation ago, thousands of people in Italy were dusted with DDT to control the major disease outbreak. He testified that although the people were "pretty well saturated with DDT", they suffered no ill effects from the use of the chemical.

The toxicologist told of a series of studies made on volunteers to measure the effects of DDT on man. "We chose a dose of DDT that was hundreds of

times what people were getting in their daily diet. The conclusion was that we could find no effects on the men clinically."

On studies of workers in DDT manufacturing plants, where intake would be much greater than in the population at large, Dr. Hayes pointed out that physical examinations and study of the men's nervous systems failed to reveal "any harm in any way" to the workers. He pointed out that workers had been exposed to vastly larger-than-average dosages of DDT for up to 19 years without ill effect.

In his testimony, the toxicologist and medical doctor drew on extensive research conducted through the U.S. Public Health Service facilities over the past 20 years. Dr. Hayes summarized the results of his research on DDT with the conclusion "I think it's safe."

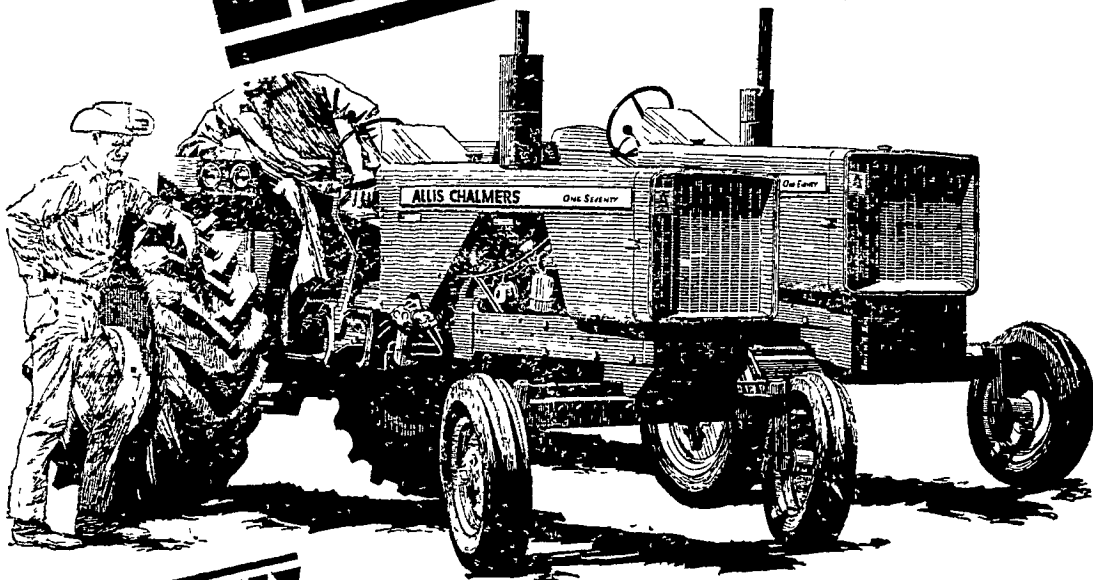
Dr. Hayes' appearance will be interrupted for testimony from Dr. Harry W. Hays, director of the U.S. Department of Agriculture's Agricultural Research Service Pesticides Regulation Division, who was slated to be the first witness to appear on Wednesday morning, April 30.

### Tree Injury

Many evergreen trees and shrubs are showing some dead branches, and in some cases the entire plant is drying up. This is commonly known as winter injury and is quite common this spring because of the lack of snow and rain this past winter; without snow cover the ground froze very deep and the plant roots could not get sufficient moisture when the rest of the plant needed it; as a result, the plant tissues were injured and are now dying. We suggest that owners be patient before pruning away too much of the injured area; in many cases new shoots will grow from the stems; by the middle of May the new growth should be started, if it is going to grow. Soaking the root areas every 10 days with water will help along with a light application of a complete tree and shrub fertilizer one time in the next few weeks.

Wild geese have been clocked flying 60 miles per hour, and planes have observed them at elevations above 29,000 feet.

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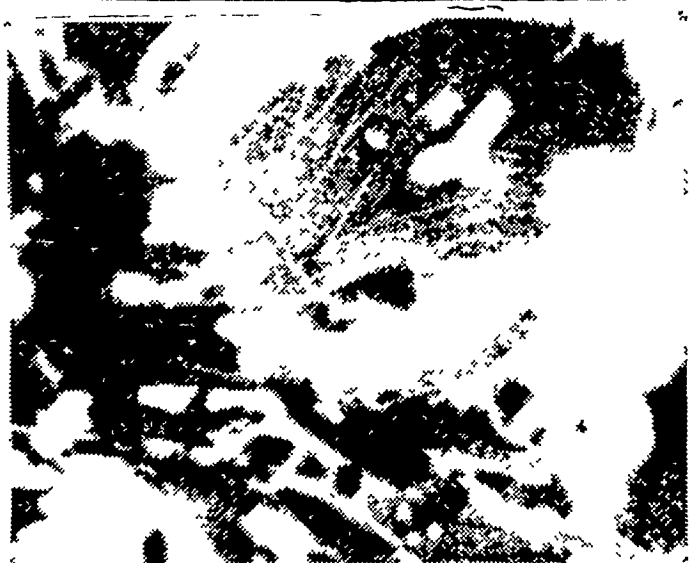
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