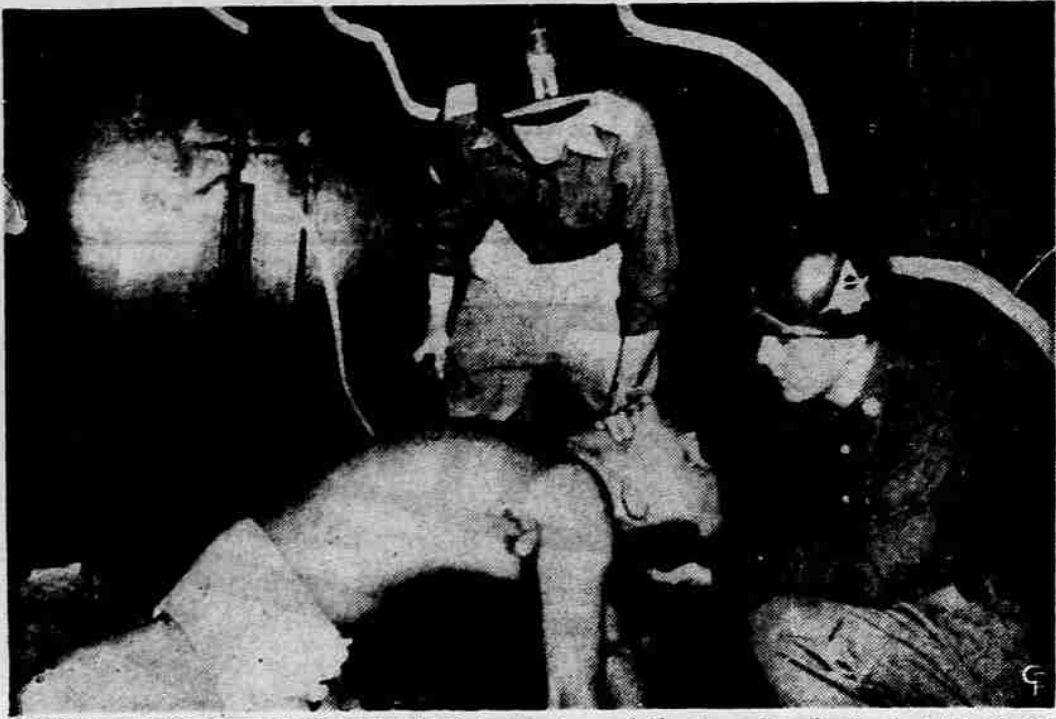




SENDING "CAPTIVE" BACKWARD, instructors of "brainwashing" school at Stead Air Force Base, near Reno, Nev., demonstrate variety of torture used by Chinese Communists. Kneeling "captive's" head is pushed toward heels. (Newsweek from International)

Hydrocarbon Insecticides Said To Be Very Poisonous To Birds

By DELOS SMITH
United Press Science Editor
New York —(U.P.)— The first prolonged and complete scientific study of how poisonous the hydrocarbon insecticides are to birds has shown they are very poisonous, indeed.
For instance, only 0.0005 per cent of aldrin in the daily diet of quails will kill every bird within 42 days. Increase the daily amount to 0.50 per cent and you get 100 per cent mortality in four days.
Aldrin is a chemical relative of DDT, which is considerably less toxic for birds as well as for insects. In quails, the addition of 0.020 per cent of DDT to the daily diet resulted in only a 10 per cent mortality in 154 days. But increase the amount by only 0.005 per cent from 0.020 to 0.025 and there is 100 per cent mortality within 45 days.
The study was made by James B. DeWitt of the Fish and Wildlife Service of the U. S. Department of the Interior and published in a technical journal of the American Chemical Society.

Pheasants stood up better to the insecticides than quails. As an example, an addition of 0.01 per cent of Aldrin to the daily diet of quails killed all birds in five days. But the same daily amount fed to five females required 36 days before all were dead.
In general, aldrin was the

most rapid killer of quails and pheasants alike, and strobane was the least rapid.

All these were adult birds. In very young birds, minute amounts of the hydrocarbons acted even more rapidly. Ten quails who began getting 0.0002 per cent of aldrin in their daily feed when they were one day old died in six days.

DeWitt included 0.02 per cent DDT in the diet of breeding quails. Their eggs were less hatchable than the eggs of other quails, and fewer of their chicks were able to survive quail infancy.

Show Extreme Nervousness
Within two hours after eating food containing 0.50 per cent of endrin, adult quails began showing extreme nervousness, severe tremors, and lack of coordination and all were dead within 48 hours. At the other extreme, 0.0001 per cent endrin in the daily diet produced no sign of illness in other quails until the 23rd day—but three days later all birds were dead.

At a level of 0.001 per cent, dieldrin produced no symptoms for four weeks. During this time, female birds laid as many eggs as they had before, and the same percentage were fertile. But the hatchability of the eggs fell from 87 per cent to less than 42 per cent.

His experiments had much point because of the continuing controversy over what effect widespread spraying of the hydrocarbon insecticides has on wild life. Insects are sickened by the insecticides—birds eat the insects. And the poisons are accumulative—they're stored in body fats, especially the liver.

Previous studies had shown that continuing sprayings with DDT reduced the bird population in sprayed areas. But DeWitt's was the first report on how hydrocarbons act upon two representative species of wild birds.

Around Hollywood

By ALINE MOSBY
United Press Correspondent

Hollywood—(U.P.)—How not to keep cool during the Los Angeles heat wave: I did a Lady Godiva today.

Lady Godiva had nothing on me, and I had practically four feet of hair, when I jogged side-saddle on a white horse through the streets of Coventry, Hollywood version. This equestrian afternoon was the inspiration of my boss. He thought it would be a fine way to keep cool. Also, since visiting a nudist camp, I apparently have become an unwilling expert on undressed stories in movietown.

Universal-International studio, which is releasing Maureen O'Hara's "Lady Godiva" movie next month, dragged out her wig and white horse for me. I also had an entourage of two make-up men, two hairdressers, a chauffeur, a wrangler for the horse, a wardrobe woman, two publicists, a photographer and the beautiful Miss O'Hara to give advice.

Body Make-Up
First came three hours in a hot make-up department. "We have to cover the bags under your eyes . . . and your face is too wide." Then came body make-up, all over. It itched. Next it took two hairdressers and 42 hairpins jammed into my scalp to nail down the four-pound, \$2,750 wig Maureen wore in the picture.

Miss O'Hara, I must reveal, wore something besides that heavy wig. In the long shots she had on the scrawniest pair of long winter underwear ever made.

"That was to avoid the lines that would show from a bathing suit," the movie queen explained. "But in the closeups the long underwear photographed different from my skin and didn't look real. So we had to shoot most of the scene over again."

I suffered in the long woolies but gave up in favor of the half-bikini she finally wore. It consisted of flesh-colored brief panties and two false-type objects attached with glue (glue!).

Hoisted Aboard
We all trooped to the steaming outdoor set of Coventry. The hair blew in my face. Flies were abundant. It took two men with strong leverage to hoist me aboard that horse, side-saddle. The saddle kept slipping and off for the nearby freeway.

Miss O'Hara arrived at the spot in her air-conditioned Cadillac and looked lovely and cool in a white cotton dress.

The make-up ran in small rivers down my back, my hair was drenched underneath the hot wig and I got a big horselaugh from the boys in the office when I dropped back.

"Where have you been?" barked the boss. "Your horse got back two hours ago."

TROOPS TO CYPRUS
Nicosia, Cyprus—(U.P.)—Some 500 more British troops were expected here today to bolster Britain's hold on her crown colony and vital defense base. At least 900 British commandos arrived at Famagusta Sunday from Malta, bringing to 1,500 the number of troop reinforcements shipped here during the week end.

Miss Universe Goes To Talent School

Hollywood—(U.P.)—Sweden's Hillevi Rombin, recently crowned Miss Universe, started school today in her bid for American screen stardom.

The blonde, blue-eyed beauty arrived here Sunday by plane after a three-week trip to Sweden by plane to visit her family and her fiancé, Air Force Lt. Nils Benker.

One of her prizes for winning the beauty pageant was a six-month contract at Universal-International studio. She started attending the studio's talent school today.

Miss Rombin wore a plain gold engagement ring which she showed reporters. She said she was able to see her fiancé for only one day.

OPEN SWITCH BLAMED
Klagenfurt, Austria—(U.P.)—Railroad officials today blamed an open switch for the collision of a passenger train and a freight train which killed eight persons and injured 35 others. Officials said a track worker pulled the wrong switch and shifted the passenger train onto a siding where it smashed into the rear of the freight train Sunday night.

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