# Cockroaches Learn To Deal With Insecticides by Defense

By DELOS SMITH
UPI Science Editor

New York — (UPI) — Entomologists-insect scientists—are finding this an exceptionally fine year for cockroaches (from the cockroach viewpoint), to distress further the meticulous housewife. One entomologist has discovered they have a built-in chemical defense which often preserves them from harm.

Delos Smith

Dr. T. Eisener of Cornell University, Ithaca, N. Y., found out why — cockroaches have a pair of glands alongside their throats which manufacture a chemical compound that is related to coffee, quinine, and many another substance common in nature. Science has long wondered why.

**Compound Sprayed**

To get the answer, Eisener put cockroaches on paper which had been made sensitive, chemically, to this compound. When the compound was secreted by the insects, the contact turned the paper bluish-black. Eisener then irked them and found they did more than merely secrete it — they sprayed it, as a person sprays an insecticide at cockroaches.

But they sprayed only when irked — only when he pinched them or pulled one of their legs or otherwise disturbed them. That indicated the spraying was intended to be defensive though not particularly against people.

So Eisener constructed an "arena" in a laboratory dish lined with the paper, and in it pitted cockroaches against insects which eat them — the ant, the praying mantis, the spider and carabid beetle.

Ants and beetles "attacked readily," Eisener reported to the American Association for the Advancement of Science. They rushed right up to the cockroaches and grabbed on. Instantly the paper all around was stained blue-black. The eye couldn't see the spraying, but it was happening. And instantly the ants and the beetles retreated, "before they had inflicted noticable injury."

And as they retreated, their bodies were in contortions from partial paralysis. They recovered quickly. But they had had enough. The spiders also were repelled, but only by mature cockroaches.

This may explain why this is a fine year for cockroaches. They've "learned" — many tribes of them — to deal successfully within their body chemistry with the insecticides which used to devastate their populations. Science is working on new insecticides to give them their comeuppance.

# Student Antagonism All But Evaporated At New York Schools

Editor's note: This is the last of three articles on schools for problem children in New York City. In preceding articles, Patricia McCormack wrote that the schools appear to be successful and that the friendly attitudes of teachers is paying over the "tough students."

By PATRICIA McCORMACK
United Press International

New York—(UPI)—The principal at one of New York's three "700" schools for delinquent boys and girls found this letter on his desk one day:

"The true story of 701, Brooklyn—

"Many people think 701 is a school for hoodlums. 701 is not as bad as people think it is. Some boys are members of gangs like Chaplains, Jonquils, Corsairs, Lords, Roman Lords, Jesters and maybe Bishops.

"These boys all are not hoodlums because they go to 701, Brooklyn. The truth is that the school they come from was very bad for them. The teachers in their schools could not get along with them very good, so that is why they are here now.

"In 701 we have good lunches which are free . . We get out at 2:10 and go to the subway in groups.

**Educational Movies**

"The great number in classes is 15 boys (when we 'doubleup'). Monday before lunch we have educational movies.

"We have a school library but we cannot take books home.

"The school is an old one but it is getting fixed up fast . . ."

The author of this hymn was, of course, one of the 300 New York boys who had been suspended last March from regular schools—which many of them had been terrorizing—and placed in two "700" schools.

One of them was set up in Greenwich Village, despite the uproar of "neighbors" who made it plain at the beginning that they did not want "hoodlums" in their midst.

But this resentment has all but evaporated, and the boys have behaved themselves. The Kiwanis and Lions clubs in the "Village" have taken the lads under their wing.

**Book Welcoming Gesture**

One neighbor sent each boy a book as a welcoming gesture. Jackie Robinson, the former major league baseball star, came downtown to address one of the school's weekly assembly programs. He promised that each student would receive a new suit of clothes when school reopens in the fall.

William A. Hamm, the Board of Education's Associate Superintendent in charge of the "700" schools, suggests they may be the answer to "blackboard jungles" in other large cities.

**Pupil Costs Higher**

He concedes that it costs approximately twice as much ($800 a year) to keep a pupil in a "700" school than in a regular school, but Hamm points out that a reform school costs the taxpayers several thousand dollars for each inmate.

But who can measure in dollars and cents such things as the girl in one "700" school who was fashioning a cross from plastic foam blocks?

It was shortly before Father's Day. "It's for my daddy's grave," she said proudly.

## Cherry Growers Voted Protection

Washington — (UPI) — The Senate Tuesday approved by voice vote an amendment to the reciprocal trade bill by Sen. Wayne Morse (D-Ore.), which would permit raw material producers to seek protection against imports of a processed form of the same commodity.

The amendment was designed chiefly to protect Oregon cherry growers against candied cherry imports.

The amendment caused a split between Morse and Sen. Richard L. Neuberger (D-Ore.) who opposed the amendment. Morse told the Senate he respected Neuberger's decision and criticized "those who draw great issues between the two senators from Oregon" when they disagree.

## 'Tiltwing' Plane Success in Tests

Washington — (UPI) — The Army says the Vertol Aircraft Corporation of Morton, Pa., has successfully tested the first "tiltwing" plane designed for vertical takeoffs and landings.

In the test, conducted recently at Philadelphia, the plane completed a transit into forward flight and then hovered at both ends of a 7,500-foot runway. The plane's wings and roter-propellers are tilted vertically to take off like a helicopter and horizontally to fly like a conventional plane.

## Argentina Oil Policy To Be Told

Buenos Aires— (UPI) —President Arturo Frondizi will announce several contracts between the Argentine government and American oil companies when he makes his long-awaited speech on the government's oil policy Thursday night, informed sources said today.

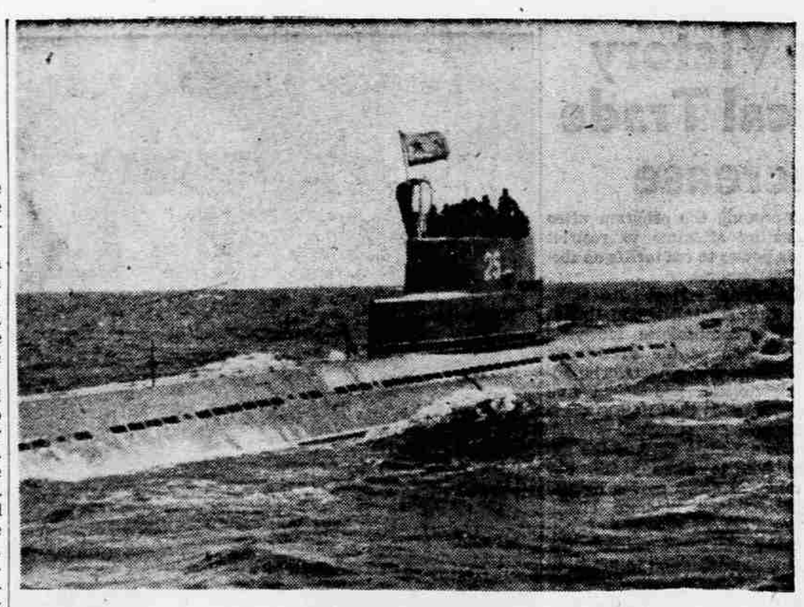
Argentine Ambassador to Washington Cesar Barros Hurtado is bringing essential details of the new contracts when he arrives here today, the sources said.

## Air Development Commander Dies

Dayton, Ohio— (UPI) —Maj. Gen. Thomas L. Bryan Jr., commander of the Wright Air Development Center from Aug. 1, 1955 to Sept. 17, 1957, died Tuesday.

Bryan, who was named commander of WADC at 47, was termed one of the Air Force's most promising technical officers.

He died at Wright-Patterson Air Force base hospital following an eleven-month illness.



**RUSSIAN SUBMARINE**—This Russian submarine was sighted in the Baltic Sea near Denmark just after the revolutionary coup in Iraq. The submarine seems to be equipped with a new type of device, not recognized by Western military experts, and which can be seen projecting from the conning tower at left.

## Japanese Actress Weds TV Director

Los Angeles—(UPI)—Miyoshi Umeki, petite Japanese actress who won an Academy Award for her performance in Sayonara, weds TV director Frederick Winfield Opie tonight.

The 29-year-old actress and Opie took out a marriage license Tuesday. It will be Miss Umeki's first marriage. Opie, 34, has been married once before.

They met at a party three years ago.

Superior Judge Burnett Wolfson will perform the ceremony at the home of Ward Ellis, staff member of the Tennessee Ernie Ford Show, a program directed by Opie.

## Oscar Levant, Wife Patch Differences

Hollywood —(UPI) — Pianist Oscar Levant and his wife, June, parted about three weeks ago after a violent, shoe-throwing argument were back together today for a trial reconciliation.

What passes for matrimonial bliss once again settled over the couple's Beverly Hills home where Oscar returned with a three-day growth of whiskers and dirty shirts.

News that the couple had kissed and made up—sheathing their barbed comments—was announced Tuesday night to Oscar's television audience, apparently ending Mrs. Levant's threat to divorce the acid-tongued pianist.

## Vale Man Dies; Autopsy Ordered

Nyssa, Ore. — (UPI) —Harold C. Grieg, 45, Vale, died in Malheur Memorial hospital here late Monday after being found on the floor of his cabin earlier in the day.

Hospital attendants said Grieg, a diabetic, had two severely blackened eyes and other facial bruises. An autopsy was ordered.

Police said Grieg and another man had sworn out complaints against each other in Municipal Court after an alleged altercation last Saturday night.

**GOT HIS MAN**

New York—(UPI)—There's no question that Police Captain Alexander Kahn, 47, still is in good condition. Kahn was off duty Tuesday when he spotted a man chasing a sneak thief. Kahn took off on a dead run, chased the thief into an apartment house, ran eight floors to the roof and made his arrest.

## 'Wyatt Earp' Sued For Bodily Harm

Hollywood — (UPI) — Handsome Hugh O'Brian, television's Wyatt Earp, was accused of inflicting "bodily injury" on a woman today in a $65,000 damage suit on file in court.

The action was brought by a woman identified as Zelia Bennett, who was reported to be a friend of the television actor's houseboy.

As for O'Brian, he said he "didn't lay a hand on her" and was baffled by the whole thing.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## Leader of Marines Hopes Folks at Home Get Things Straight

By JACK V. FOX
United Press International

Beirut — (UPI) —"I only hope that people back home are getting it straight and that there isn't a lot of arm-waving and breast-beating about our boys under fire."

The speaker was a young Marine lieutenant from Tarrytown, N. Y. He is a Princeton graduate who now commands one of the Marine companies stationed in the dock area of downtown Beirut.

**Subject to Firing**

His company has been subjected to firing from rebel snipers for the past five days.

"For Pete's sake, don't use my name or I'll get my head chopped off," he said. "But I think it's vital that our people get things straight.

"This sniping, for example. I can see the headlines, 'Leathernecks under fire for five straight days.' The facts are that not one of us has been hit, and the bullets are going high overhead.

"I am convinced they are not trying to hit us. They just like to shoot guns, I think. I saw one guy up on a roof raise his rifle and fire into the air in three different directions.

"Of course, it's not very pleasant to think they could hit you if they wanted, but it sure could be worse."

**Boredom Main Enemy**

The fact is, the main enemy of American troops in Lebanon now is boredom. Marines on the beach long ago dug their defenses, and since then about the only break has been a daily dip in the Mediterranean, a few yards away.

Pvt. Donald Knock of Camden, N. J., said, "That water sure is salty, a lot more than the Atlantic, but it feels awful good after sitting out there in the sun."

Next to him was Sgt. James Cabbagestalk, of Pittsburgh. He waved expansively at the blue sea stretching off from the beach. "Room with a view," he said.

**LEFT LEG TENDER**

Mexico City — (UPI) — You have a legitimate reason to feel insulted if your host serves you the right leg of a chicken. Pablo Sanjenis, chef at Mexico City's Hotel Plaza Vista Hermosa, says a chicken's left leg is more tender than the right. He backs up this contention by pointing out that the chicken sleeps on his right leg and develops greater muscles on that side.

**WEARING** 10-pound logging chain padlocked to neck, Angeline Cliett, 19, Waller, Tex., stands in front of White House in hopes President Eisenhower will help mother, Irene, regain ownership of 703-acre ranch.

## *'Strong Man' Damages Beauty Salon Awning*

An unidentified "strong man" apparently tried some chin-ups Sunday night on the awning of the Craterian Beauty salon, 41 South Central ave., according to city police.

But reportedly no one was around to witness—much less admire—this feat of strength. Victor Peterson, owner of the salon, estimated damage to the awning brace and canvas at $100.


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MAIN AND CENTRAL


## Local PT&T Man 'Loaned' to Firm For Alaska Job

Sidney D. Shaw of Roseburg has been named supervising wire chief for Pacific Telephone and Telegraph company in Josephine, Jackson and Klamath counties.

Shaw replaces Rollie P. Rogers Jr., who has been "loaned" to Western Electric company for a year's communications duties in the Aleutian Islands.

For Rogers, a veteran of almost 30 years in the telephone business, this will be his second tour of duty in Alaska. He worked for 18 months with the Army in 1953 and 1954 on the engineering of military communications at Ft. Richardson.

**Came to Medford**

After returning from Alaska in 1954, he came to Medford as the telephone company's supervising wire chief with responsibility over local central office equipment, buildings and personnel in 10 towns including Medford, in the three counties.

Shaw took over the job from Rogers on July 21, according to Manager Jack Creager. He has been at Roseburg the past three years as chief switchman and plant service foreman. Prior to that he worked for Pacific Telephone at Pendleton and Baker.

Shaw's wife and two children will join him in Medford in the near future.

A modern eye hospital is being constructed at Hyderabad in West Pakistan.

## South Florida Due For Heavy Rains

Miami—(UPI)—The fringe of a big squall line was expected to sweep across south Florida today, with heavy rains and winds up to 35 miles an hour.

The main body of the storm passed over Cuba late Tuesday, but appeared to have lost some of its punch. The Weather Bureau here said the disturbance still has shown no signs of developing into a major tropical storm.

**DIPLOMATS PROMOTED**

Tegucigalpa, Honduras — (UPI)—President Ramon Villeda Morales has promoted Francisco Aleman from consul in Miami, Fla., to ambassador to Cuba. Raul Caceres, until recently consul in New York, has been named to succeed Aleman in Miami.

A large part of Managua, Nicaragua was destroyed by an earthquake and fire in 1931.

Gen. John J. Pershing became Chief of Staff in 1921.

Do you know what Frankenstein said to his teenage son, "Frankie" (he always calls him Frankie)? No you can't go to The Craterian to see "THE FLY"! It's too scarey even for you—it might scare the bolt out of your head!


Stops Constipation Due to "Aging Colon"
New laxative discovery re-creates 3 essentials for normal regularity.

As you grow older, the internal muscles of your colon wall also age, lose the strength that propels waste from the body. Stagnant bowel contents become so dry and shrunken that they fail to stimulate the urge to purge.

Relief, doctors say, lies in a new laxative principle. Old-style bulks and moisteners may create gas, take 3 or 4 days for relief. Old-style salts and drugs cramp and gripe the entire system. Of all laxatives, only new Colonaid gives you its special 3-way relief that works only on the lower colon (area of constipation).

(1) Colonaid moisturizes dry, hardened waste for easy passage without pain or strain. (2) Colonaid's unequalled rebulking action helps retone flabby colon muscles. (3) And Colonaid acts gently, on the nerve reflexes that stimulate the vital "mass movement" of your lower colon.

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