# Arrow-Lined Kingfisher Is "Crash Diver"

### William L. Finley, D. Sc., and Ed F. Averill Write These Wild Life Articles

### Woods Pussy Docile But Not Defenseless

We were standing on the hill be-low our house overlooking the Wil-lamette river. The round October moon was a sure sign that animals would be on the hunt and growing fat and furry for the winter. Branches of the fir swayed and there was a stir among the maple leaves. As I turned my nostrils to the wind, the message came in an unmistakable odor. It was not unpleasant. It never is in the open field or here on the slope above the river.

The next day when my neighbor passed, he said he was going to

block up the hole under his chicken yard fence. He, too, had read the sign on the wind and was sure a skunk was in the neighborhood. He is of farmer stock, the kind that kills skunks. I was hoping a wood-pussy might some day take up a homestead on our wooded hillside.
TWO SPECIES IN OREGON

Two species of skunk live in Oregon. One may see both kinds along a paved highway where they have been flattened out by racing auto-mobiles. The little spotted skunk is

turns his tail.

One day we crossed the river and on the trail up the hillside came to the upturned roots of an old fir. Here we met a striped skunk with her seven little kittens playing in her seven little kittens playing in the seven little kit the glass on the sloping bank. As I approached slowly, they stopped to look at me but were not afraid. Within six feet of the mother, I

### LAST TO START TROUBLE

Careful, Pup, Bad Medicine



of the little skunks. He merely am-AST TO START TROUBLE
These animals are more friendly food values than had been generally

These animals are more friendly food values than had been generally and reliable than most people think. They are not looking for trouble and are generally the last to start any.

Two days later, passing the same place, I found the bodies of five of the kittens lying along the bank where someone had killed them with a stick. So often this is the story of a family of wood folk. The damage shrimp was credited only with 4.7

mobiles. The little spotted skunk is about the size of a silver-gray squirrel. The striped skunk is two or three times as large. Polecat is an other name that has been given the skunk family as a whole. However, this name is not correct, for the true polecat is an animal of the Old World.

In your natural history, you may read that this is a feeble animal, almost defenseless. Almost! But not quite. Poor little wood-pussy! He cannot run fast. In the face of danger he just stamps his feet, humps his back like a pinched wasp and turns his tail.

Oregon skunk normally gentle creature but well equipped to repel trespassers if need be.

a stick. So often this is the story of a family of wood folk. The damage a skunk does is often exaggerated. He feeds on various kinds of insect life, also birds, mammals, fish and even reptiles and fruit.

There is an old story that if you pick up a skunk by the tail, he cannot eject his scent with his feet ing from 75 to 200 feet, the water the standard pick up a skunk by the tail, he cannot eject his scent with his feet and wings. It is the stomach of one fish. The largest the stomach of the stomach of one fish. The largest the stomach of the

### Native Coot Declared Good Food

The American coot, commonly call ed mud hen, has never been an attractive item in the game bag of hunters on the Pacific coast. This has been offered as a good reason for ts abundance. In the past ducks have been abundant and perhaps the name, mud hen, has spread the idea that the bird is not an attractive part of a sportsman's menu.

a sportsman's menu.

The coot is no more of a mud hen than the common varieties of ducks as far as its food is concerned. It lives largely on grasses and grain. Water hen, marsh hen or meadow hen are common names that indicate the bird's traits and food habits.

Many gun clubs in the West consider the coot a nuisance because it takes the natural food of ducks and especially the grain that is scattered in ponds to bait the ducks within

Coots flock in winter time all through the southern states. On baited areas, the coots are friendly and come right in for food. The ducks use them as buffers, waiting a while to see whether the coast is clear of danger.

In some localities, hunters make a business of killing coots as pests. If ducks continue to disappear, the time may approach when sportsmen the West will take on the coot as

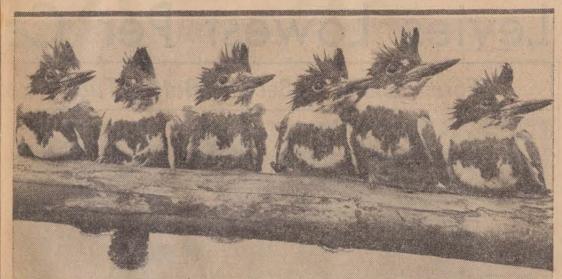
a game bird.
Along the Atlantic coast, hunters Along the Atlantic coast, numers apply the name of coot to some of the marine ducks which are the several species of scoters. These are hunted and killed as game birds, but as food they are not equal to the real coot or marsh hen, The scoters live on small mussels and shell fish. The flesh is coarser and more fish; in flavor than that of the American

### PLATFORM NESTS

Coots breed up and down the Pacl fic coast in marshes or tule-bordered ponds. They make platform nests woven together like wicker baskets n the reeds just above the water. young coot just out of the egg is strikingly colored chick with no r semblance to his father or mother His body is covered with black dov but projecting from his neck an head are crinkled feathers with hair like ends of bright orange color. His

Anyone may recognize the American coot with its slate-colored body and black head in contrast with the

Six Young 'Fishers' Sittin' on a Limb





All head and beak, streamlined to pierce the water without delay, the Kingfisher makes today's headline. Solitary fellow, the king, and not far removed from reptilian ancestry as indicated in his mode of nest building. A hole deep in a bank serves adequately and the theory is the head develops most because that part of him gets the air. Below is a colony of American coot, sometimes called mud-hen. Contrary to popular belief, the flesh of this bird is not bad eating.

### Michigan Hunters Hard on Pheaasnts

ers. They arrived at this figure by and says it is hardly fair to assume first outing,

taking the reports of 69,845 hunters that 313,000 licensed hunters killed It takes considerable practice for a who killed approximately 180,000 2.6 birds each. According to the News, young kingfisher to learn to catch a Officials of the game division of ing basis for the 313,000 licensed 500,000 birds were killed and perto be because of the refraction of

### Throwback to Reptile Age in Home Building

Every boy and girl who has been up and down the river knows the kingfisher. The color of his coat is matched by the blue water. With a rattling cry he flies off some limb, sometimes to hover directly over the water with wings vibrating in rapid strokes and watching for his game below. In flight, he often changes gear, alternating between slower and more rapid wing beats.

When you first see a kingfisher, he seems topheavy in appearance. Everything else seems forfeited to furnish him a big head, feited to furnish him a big head, a spear-pointed bill and a pair of strong wings to give this arrow-shaped bird a good start when he dives for fish. His feet are so small they are hardly large enough to support him, so he makes a poor show at walking.

Some sportsmen advocate shooting the kingfisher because they claim he destroys too many trout. Along the Willamette he lives largely on crawfish and slow-moving trash fish that are of no economic value. Occasionally he catches frogs, lizards and beetles. In the Southern states where streams are few and run dry in summer this hird takes run dry in summer, this bird takes to a fare of grasshoppers and mice. The kingfisher is not much above his reptile ancestors. Instead of

building a nest, as other birds do, he finds a bank and digs a hole, bur-rowing back three or four feet and making his nest at the end of a dark cave. Young kingfishers never get a glimpse of sunshine until they are ready to leave home. Like a potato in a cellar, all the growth goes to the end nearest the light. His face nat-urally all goes to nose and bill.

Some birds are sociable and like to flock, but the kingfisher lives a solitary life. He seems to think a companion would talk and scare the fish, or he is too much of a hermit to enjoy the friendship of others. If a good bank is not available along the river, he may find one a mile or

We discovered a kingfisher nest-ng in a bank on Portland Heights. was a sort of suburban home, quite distance from his place of business. His rattle was often heard above the house tops of the crowded city. The young kingfishers didn't leave home until fully fledged. From the high position on the heights they cruised across the city to the river on their

of the state department of conservation it for Michigan estimate that at least the 700,000 Chinese pheasants were killed in that state in 1934 by licensed hunt
The Detroit News in commenting that state in 1934 by licensed hunt
The Detroit News in commenting that state in 1934 by licensed hunt
on this report questions its accuracy it isn't as yet."

To be because of the refraction of the light. There is a different density figure carries the implication that the between air and water. The bird has be nearer correct. The 700,000 the light. There is a different density figure carries the implication that the bird has be nearer correct. The 700,000 the light. There is a different density figure carries the implication that the bird has be nearer correct. The 700,000 the light. There is a different density figure carries the implication that the bird has be nearer correct. The 700,000 the light of the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different density figure carries the implication that the light is a different densi

# Crow, Magpie and Jay Mix Brains and Cunning William L. Finley, D. Sc. and Ed F. Averill Write These Wild Life Articles

# **Tongue Cutting** Barbarous and Does No Good

The family of crows, magpies and jays generally is considered the keenest of the feathered class. People are accustomed to call these birds intelligent, which means they live by their wits and are able to commit overt acts and not get caught.

Among songbirds, the Corvidae family is just a bunch of rascals and thieves. If the home is left without a guard or the door is not locked, any smaller bird is likely to return and find the nest mussed up and the eggs gone. If birds had a police system, the main schedule would be trailing crows, jays and magpies. In traveling, their muflers are open and you hear the harsh notes. But when these birds hunt, they slip through the bushes and trees as quietly as a sunbeam.

the bushes and trees as quietly as a sunbeam.

Because of their tricky habits, magpies and crows are often kept as pets. Life is limited in a prison cage, so they furnish a certain amount of amusement to a bird fancier. They learn to talk quite readily, even though one cannot understand their language. They are quick at imitating and repeat certain words as distinctly as a person.

No one seems to know just when and where the old story started that a crow or magpie must have its tongue slit before it can talk. Nor can anyone explain just why such a story is spread so widely among people, It's one of those age-old, foolish ideas that starts a cruel and barborous custom. Birds talk with their throats, not with their tongues. A more sensible course to follow would be to try tongue-splitting on the human race to prevent spreading such ignorance.

# Anglers O. K. Darling Drive To Rout Carp

Duck shooters of the Northwest may not like the government's new regulations regarding that sport but

regulations regarding that sport but they will surely have nothing but praise for Ding Darling, chief of the biological survey, in his efforts to rid the streams and lakes of carp. It was the marauding hordes of the imported carp "trash" fish that rooted out and destroyed the wapatoes in Lower Columbia river waters, thus destroying the greatest source of natural duck food we have.

Darling's proposal to exterminate carp in the streams and lakes of the country did not meet with all smooth sailing, however. Many sportsmen feared that in seining out the carp the game fish would also be destroyed. The controversy seems to have been ended, according to a dispatch from Washington, by an arrangement whereby game wardens will accompany the seining crews to see that game fish are removed uninjured. But it is not all over yet, Ding says.

"Now all we need is the money."

ing says.

Now all we need is the money.

ree times we've been turned down,
I there is no assurance we'll get

this time."

it this time."
The cost of seining the streams,
Ding estimates, would run from \$7000
to \$12,000 a county. He added:
"We could use \$5,000,000, but if we

'Ware These Fellows



The Pacific Coast fortunately has been virtually free of the starling, and good luck it has been. For in the Old World and in parts of Eastern United States the European bird has become so numerous and familiar as to be a pest. However, fears are felt they may turn southward from Canada, where they have been a nuisance. The bird is about a robin's size and noisy.

### Sportsmen and Naturalists Fear CCC Road Building Peril to Deer

Oregon naturalists and sportsmen are not the only ones who view with alarm the many roads laid out by CCC workers throughout the forested areas. Fences to block off such roads as run through deer-inhabited country are advocated by William Lyon, Detroit, Mich., sportsman, in an effort to stop deer hunting by auto and attendant increased slaughter.

Lyon says "fences could be

increased slaughter.

Lyon says "fences could be erected at the opening of the season, blockading the roads, and removed at the close, opening these new highways to travelers. During the open season the measure would afford protection and a sporting chance to animals, which were overhunted even before these new roads opened the denser forested districts to auto-hunting parties."

by the building of good roads into the mountains of Oregon is not limited to the open season. It has made possible spotlight and other illegal hunting at other seasons. Residents of the Pis-

tol river sector of Curry county told the writer that during July and August of this year many deer were taken out by night hunters who used a newly-constructed CCC road up that stream into the heart of one of the best deer sections of Oregon. Many residents insisted the road is valueless from a forest protection standpoint, since there is no merchantable timber in the area served. They say socalled Curry county "forest protection standpoint, since there is no merchantable timber in the area served. They say socalled Curry county "forest fires" should more property be termed "brush fires."

Amateurs Will Sail

An "All-America" squad of 18 College, hish school and sandlot baseball stars, selected from all parts of the country, will sail from san Francisco, October 17 to play a series of games in Japan and may stop off in Manila, P. I., for an eight-game series.

Because to such such served special towers for bats to roost in. Although a bat can fly, he has no connection with bird life. His body is treched a thin, rubbery and stream into the heart of one of the body when it rests, He sleeps by hanging upside down. At the top of the wing is the thumb or little sharp claw which the bat hooks into the surface, enabling him to crawl. It is an awkward movement, but with wings closed, he can crawl up and game is expected this fall as the result of new state regulations prohibiting shooting with shotguns a series of games in Japan and may stop off in Manila, P. I., for an eight-game series.

# 'Blind as Bat' Is All Fiction; **Vision Amazing**

When the Pack-Finley expedition of the American Nature association was in the Grand Canyon National park, Ronald Colman and William Powell of Hollywood were spending their vacation at the inn at the foot of Bright Angel trail. The screen artists were familiar with motion picture cameras, but they were not acquainted with wildlife in the deep canyon.

view of a bat.

"All you have to do is climb up with a stick and bat one down as he flits in and out," said the naturalist.

The artists were soon armed with switches and each took a stand at the mouth of the cave, but neither could hit a bat.

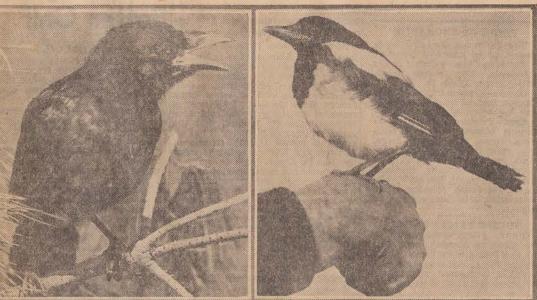
The next day, they were all keyed up for another hunt. It looked easy enough, but neither could hit one of these flying mammals that were too speedy at dodging.

The old saying "as blind as a bat"

In the total darkness of a large In the total darkness of a large underground cavern a bat flies at full speed through the winding hallways as easily as a bird sails among the forest trees. The delicate sense of feeling prevents him from bumping into any object and he quickly alters his course.

There is a prevailing prejudice in the human race against a bat that its and wavers through the darkiess. However, his bill of fare is regely of mosquitoes and other inects that are detrimental to man, ecause of the economic value of its, some cities in Texas have conructed special towers for bats to ost in.

Crow, Magpie and Bat, but He's No Bird







Everybody knows the big "Caw, Caw" bird so lets hurry on to the bat. However, the magpie (in the upper right picture) might be termed a crow with Sunday raiment. They're a good deal alike. Now for the winged mammal and he's all animal, too. The upper photo shows a common variety of mother bat with young at her breast. Lower—A long-eared fellow, or it may be a girl. Bats, much maligned, are in reality a boon to humanity in their enormous consumption of insects.

# est is wild life," said E. N. Kavanaugh, assistant regional forester, discussing the deer season. "Roughly, 12,000 deer are taken out of the forests of Oregon anually. A large and enthusiastic group of sportsmen thoroughly enjoy their part in harvesting this crop each year and the forest service endeavors to co-operate to the limit in order that the public may obtain the maximum enjoyment and benefit from its wild life resources. "The thing which worries a forester this time of year, however," said Kavanaugh, "is the danger of fire which not only destroys timber but the habitat of wild life as well. This same fear no doubt worries most of the hunters and there are only a few who through carelessness or thoughtlessness would destroy the very resources from which they get their greatest pleasure. Good sportsmanship demands that the harvesting of the deer crop be carried on with due regard to other resources of the forest."

### Hot Spot Usurped By Trade Angler

Feeling between sports and commercial fishermen was not helped any by an incident on the Siletz river recently, Mr. and Mrs. Jack Nordstrom were trolling for jack salmon in the river above Kernville. They located a stretch of water where the fish were taking spinners freely. A commercial fisherman with his net on the rack saw what was happening and immediately laid out his net so that it was impossible for the trollers to continue their fishing at that

# Starling Host Invasion From Canada Feared

Hunters Urged to Safeguard Woods

Recently the biggest deportation of aliens in several years left Portland under guards of the immigration service. Federal laws are tightened to keep out undesirable foreigners and Uncle Sam's men keep busy catching and deporting those who slip past the lines.

The government laws regarding importation of foreign feathered residents are stricter than those relating to the human species, but it will take more than the immigration officers, the biological survey, the state police forces, the army and navy to stop the flocks of crested Mynas or Chinese starlings now sweeping the Canadian border and spreading south.

This member of the starling family, a native of Central and Southern China, now is a well established resident of the city of Vancouver, B. C. Thousands are living in the business blocks of the main section of the city, which is the established stronghold. Here the young are raised and have spread to surrounding towns and especially the agricultural area along Fraser river.

Recently flocks have been seen across the boundary line as far south as Bellingham. One starling was reported in Portland a few years ago by Ira N. Gabrielson, but this may have been an escaped cage bird.

The question arises as to what the future effect of this introduced species may have on our native birds and agriculture. In a bulletin published by the biological survey of the department of ariculture in April of this year, the Myna is reported to drive out flickers that nest in holes in trees and native songsters that live in bird houses. As it becomes more abundant, it is likely to affect crops by feeding on berries and fruit.

According to records, the Chinese birds were first seen at Vancouver about 1897. In 1920, Mr. Kermode of the Victoria museum said there were and important crops of the forest is wild life," said E. N. Kavanaugh, assistant re-

According to records, the Chinese birds were first seen at Vancouver about 1897. In 1920, Mr. Kermode of the Victoria museum said there were about 1200 roosting during the winter in buildings in the busiest part of the city on Carroll and Cordova streets. By 1925, it was reported the number exceeded 20,000.

The crested Myna is a bird easily identified on sight. It is about the size of a robin, but looks more like the common blackbird because its coat is black. Its distinctive mark of identification is the band of white on its wings, also a tuft of short feathers at the base of the beak and inclining forward and upward like a pompadour.

# Now Goldfish Swim at Peace

Jack Horton of the United States forestry service tells a good joke on a kingfisher, a bird like the ordinary angler, who can't look at a fish in a stream without wanting him in his creel.

From 'Red' Terror "One of the most interesting

without wanting him in his creet.

The forester during spare moments had built a little rocky pool in his yard. It was an attractive home for a little school of goldfish. One day the golden glitter caught the eye of an old kingfisher cruising casually across the block. Like some people, he was always on the watch for an easy mark, and a slow swimming fish is easier game than a trout. Circling, he drew up on a branch and sized up the situation at a glance. A headlong dive, a splash and a goldfish

took his first and last ride in the feathered plane.

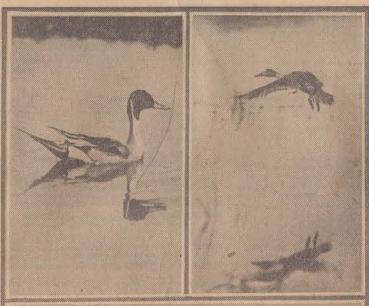
In a few days, Jack was bargaining for a new school of fish and laying plans to protect them. Soon after, the feathered angler, sailing over, caught a glimpse of the same pond and a new supply. In hunting, a moment's hesitation may mean an empty bag. So with a quick turn, the kingfisher headed like an arrow for the golden dinner. A foot above the surface he was flattened. His head went through the wire netting that Jack had spread above the pool, but his shoulders wedged. Mussed up and scared, he shot out of the yard leaving a trail of blue feathers. The goldfish in the pool now swim in safety.

# Hell-Diver Swift, But Bass Sometimes Gets Him William L. Finley, D. Sc. and Ed F. Averill Write These Wild Life Articles

# Men, Cash But **Nothing Done** To Assist Fish

### GON LOADS TAKEN OUT

# A Complete Family of Pintails





Here's a family of pintails, whether they are closely related is hard to say. Above on the left is male at rest and on the right a female on wing. Below is a group of young pintails. These pictures were taken at Klamath lake.

### New Duck Ban Meets Variety Of Opposition

### Duck Soon Hep to Food, Protection; Local Case Cited

# But It Goes on

# River Pollution Wise Nature Safeguards Birds Law Violation When Moulting Dulls Wings; Cats and Other Enemies Foiled

### Game Thrives In Alaska as arbage and of Oregon Bans Enforced

### Cold Gets Credit Bugs, Birds Thrive;

number of song birds in the vicinity

### Not So Fast



double catch, a 7 pound 2 ounce bass and a "hell diver," which were landed in Broad slough on Sauvies island. The bass caught the "hell diver" and Morris caught the bass.

### Lowly Worm Has Its Place As Human Aid

# Seven-Pounder Hooked, Then Disgorges Bird

# A Common Scene on the Sandy River Years Ago



Here's a picture that was taken nearly 10 years ago on the Sandy river. Scenes like this were many before the channel of the stream and its mouth started filling up with sand. Big runs of smelt are rare nowadays and probably will be until the stream is dredged.