

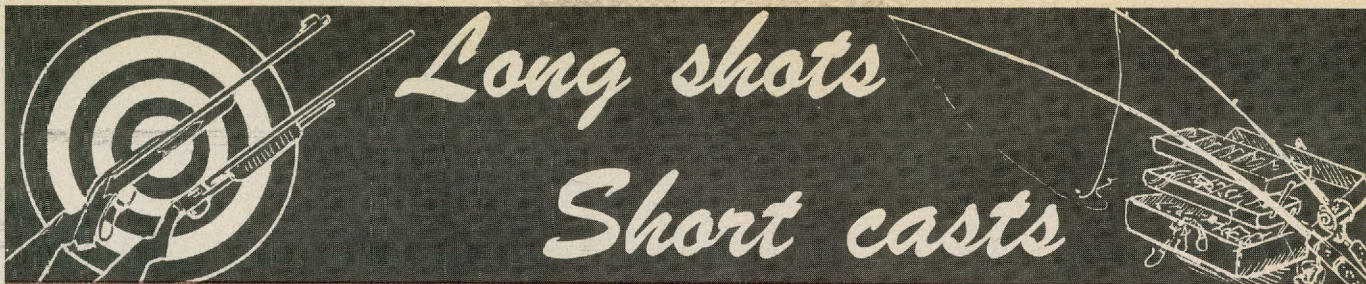
Texas Game and Fish

OCTOBER 1962 20 CENTS



A crack of the gun and swift work by a good labrador retriever bring W. B. Mason of Carrollton a fine pheasant for a starter.





KUDOS FOR A CONSERVATIONIST: At the 40th annual convention of the Izaak Walton League recently, Laurence S. Rockefeller was given the League's highest award for public service in the conservation of the nation's natural outdoor recreational resources. The honor is called the "54 Founders Award," in commemoration of the 54 men who founded the League in 1922. A comprehensive program was submitted to President Kennedy and the Congress in January, on outdoor recreation for America, based on a three year study conducted by the Outdoor Recreation Resources Review Commission which Rockefeller heads. Also through Rockefeller's efforts, primitive areas of the Virgin Islands, waterfront regions of Puerto Rico and parts of the Island of Hawaii have been preserved and developed for recreation.

FIGURES FROM FIN FANS: Bird-watchers across the country have participated for many years in a "Christmas Count" to inventory our wild bird population. Now skin divers have come up with the "Memorial Day Fish Count," and intend to follow it up with similar counts on the Fourth of July and on Labor Day. The census takers are 400 amateur underwater naturalists, members of the American Littoral Society, and the program is coordinated by the U.S. Bureau of Sport Fisheries and Wildlife.

AUDUBON ASSEMBLY: The National Audubon Society's 58th annual convention, November 10-13 at the Robert Driscoll Hotel in Corpus Christi, Texas, will be highlighted by field trips to the Aransas National Wildlife Refuge, winter home of the whooping cranes, and to the King Ranch where an outdoor barbecue dinner will follow a tour to see wildlife, range management practices, and cattle operations. On the convention program will be discussions of the government predator control activities, the operations of the new Federal Pest Control Review Boards, and the Society's bald eagle project.

DEFER TO THE DIVER: Boaters are urged to be alert for a red flag with a diagonal white stripe. Such a flag, flying from a floating object, signifies that a skindiver is in the general area. Boaters are to stay away from such an area, to avoid injuring the skindiver, who may be surfacing. The International Skindivers Association recommends, further, "If you must pass through the diving area, do so at a greatly reduced speed. Keep a sharp lookout to avoid floating objects, or passing through 'air bubbles.'"

RARE REVIVAL: The Eskimo curlew, one of the world's rarest birds and for 14 years feared to have become extinct, has been seen and identified by Texas ornithologists on Galveston Island in each of the past four springs. Single birds were seen in 1959, 1960, and 1961, and a pair was seen this spring. A buffy-brown, chunky bird slightly larger than a golden plover, it was once extremely abundant but was almost exterminated by market hunters at the turn of the century. It is now completely protected.

STRAIGHTEN UP AND THEY'LL FLY RIGHT: At the Central Flyway Council Meeting in Wichita, Kansas, in August, the game and fish departments of Colorado, Wyoming and New Mexico requested that the boundary line for the Central Flyway be changed to the Continental Divide. This would put those parts of the states on the western side of the divide in the Pacific Flyway and the eastern side of the divide would remain in the Central Flyway. The request was made because the Continental Divide seems to be the natural boundary between these two flyways which waterfowl observe.

PCISON ON PONDS: Owners of ponds should beware of some insect sprays and anhydrous ammonia because they can kill fish. Cattle sprayed with insect repellent should not be released where they can get to a pond. Anhydrous ammonia should not be dumped where it can run into a pond or lake. Recent investigations indicate that fish kills have resulted from these two causes.

Texas Game and Fish

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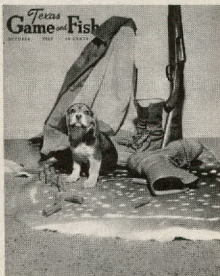
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The Cover



Boots, coat, gun, shells — all are ready for the fall and winter hunting season. Texas sportsmen have good antelope, deer, squirrel and turkey hunting just ahead. This beagle pup looks as if he knows how much dog-fun awaits him in the field, but he can only look at the equipment with wistful eyes. Perhaps next year he'll be old enough. Beagles are very good cottontail dogs, but they can easily manage pheasant and other upland game species.

Photo by Dan Klepper.

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OCTOBER, 1962

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Ignorance Is Not Bliss

THE HUNTING SEASON IS UPON US. It is a time to think about the hunt and the hunting equipment. Judging from past records, and even the reports coming in during the dove season, it is definitely a time to be concerned about hunting safety.

Hunting is not a dangerous sport, and the percentage of injured among those who hunt is extremely low, but it only takes one mistake to ruin a good trip—or hunting for life.

Unfortunately, there is no guaranteed solution which would end all accidents. However, we do have available to us dozens of safety measures which can help reduce accidents. The most important safety device to take along is COMMON SENSE, based on an understanding of the weapon to be used, and a knowledge of the rules of safety:

- *1. Treat EVERY gun with the respect due a LOADED gun. This is the most important rule of gun safety.
2. Guns carried into camp or home, or when otherwise not in use, must *always be unloaded* and taken down or have actions open; guns always should be carried in cases to the shooting area.
3. Always be sure barrel and action are clear of obstruction and that you have *only* ammunition of the proper size for the gun you are carrying. Remove oil and grease from chamber before firing.
4. Always carry your gun so that you can control the direction of the muzzle even if you stumble; *keep the safety on until you are ready to shoot.*
5. *Be sure of your target before you pull the trigger;* know the identifying features of the game you intend to hunt.
6. *Never point a gun at anything you do not want to shoot;* avoid all horseplay while handling a gun.
7. Unattended guns should be unloaded; guns and ammunition should be stored SEPARATELY beyond reach of children or careless adults.
8. Never climb a tree or fence or jump a ditch with a loaded gun; *never pull a gun toward you by the muzzle.*
9. Never shoot a bullet at a flat, hard surface or the surface of water; when at target practice, be sure your backstop is adequate.
10. Avoid alcoholic drinks before or during shooting.

Rules 4, 5, 6, 7 and 10 apply to the archer as well.

It is recommended that the veteran hunter read these rules again. Familiarity sometimes breeds relaxation of cautions.

The novice is urged to read these rules over and over and to ask questions if they are not understood. Ignorance is not always bliss.

One last word of caution: *Don't be the cause of a forest or grass fire!* Be most careful with camp fires, cigarettes, cigars, pipes and especially matches.

Tuck these tips under your hunting cap to be recalled at a moment's notice. Then pack your hunting gear with greater assurance of having a **WONDERFUL HUNTING TRIP.**

*These 10 Commandments of Safety may also be found inside the back cover of the Digest Game and Fish Laws, August 1962.

by HOWARD D. DODGEN
Executive Secretary
Game and Fish Commission

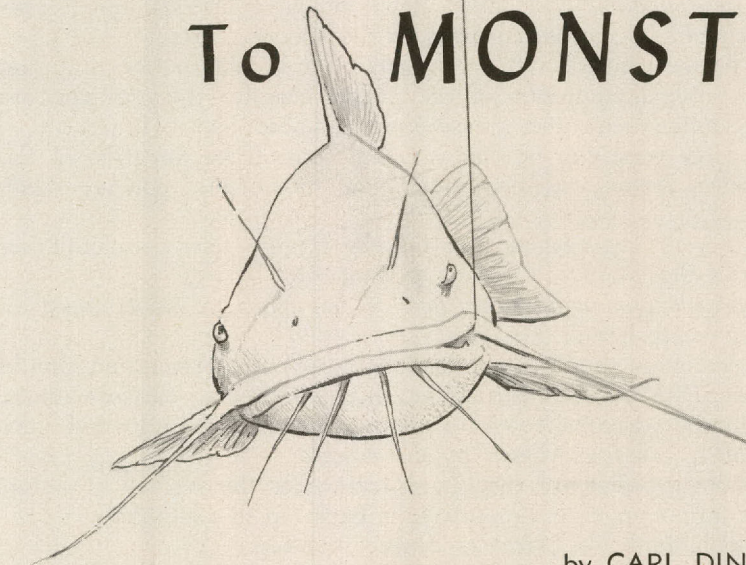


From MINNOWS To MONSTERS

THE FLATHEAD CATFISH'S truculent and belligerent disposition makes him a proud catch for sport fishermen; his ugliness belies his fine edibility. This same belligerence has kept fishery biologists baffled until recently. Now, year by year, more is being learned concerning the habits and living conditions required to reproduce these tasty monsters in fish hatcheries.

The heretofore, non-conformist species has not been completely adapted to life in fish hatcheries. But Harmon Henderson, superintendent of the San Marcos Fish Hatchery, has convinced eight of the temperamental catfish that the domesticated life of the fish hatchery is just as good as life in the river bottoms.

Running water for spawning and food habits are the major problems of rearing these prime catfish. Henderson has managed to get the fish to spawn without requiring running water. The food problem still exists. "We are still in the experimental stage," he said. Hatcheries at Medina, Ft. Worth, Dallas and Dundee also are working with the flathead.



Last year, Henderson raised a partial spawn of 1,954 yellow catfish from Fort Worth. This year, with eight catfish old enough to spawn, Henderson estimates 3-5,000 from seven spawns, or approximately 35,000 catfish. Four of 75 ponds are devoted to rearing young flathead fry.

However, there will be no relaxing until the ponds are drained in November. Great care must be taken

to avoid heavy loss when draining the pond and moving the fish into lakes and streams.

Unlike other fish, yellow catfish do not bunch in schools and will not follow the water toward the drain. Instead, they hide in moss and as they get larger, eat other fish which socialize in schools. Also, they only spawn once a year.

Henderson also has had trouble in the holding pens. These concrete

by CARL DINGLER

pens are used to hold the fish after the ponds are drained before fish are placed in lakes, rivers, etc.

Henderson said that two days was the longest time he has been able to keep these fish in a holding pen. "After that, they start eating each other."

When asked the same question, Curtis Harper, superintendent of the Medina Lake Fish Hatchery at Devine said he had not had much trouble in this respect. He said if the fish were out of size, then they would eat each other. "As long as the fish are nearly the same size, then they will not eat each other," he said.

Harper has been experimenting with flathead catfish for the past 25 years and only in the last five years has he found a pair that will repeatedly spawn. This year he has 10 of his 43 ponds devoted to rearing flatheads.

Unlike Henderson, who has worked with parent catfish which have never been out of the routine of pond life, Harper has experimented with fish taken from the wilds of rivers and lakes. Harper has a special spawning box with a hole cut in the side to allow circulation of running water through the box. His yellows will not spawn unless this running water is present.

Harper's pet pair, Pedro and Rosita, came from Denison Dam five years ago and have spawned each year since. This year the compatible pair had 35,000 eggs. Meanwhile, another pair, Blizzard and Thelma,

had 25,000 and Jose and Julia had 5-8,000. Blizzard and Thelma were taken from the wilds and this is their second year to spawn. Jose and Julia, which were hatchery-raised fish, first spawned this year. They were three years old. Julia died after spawning.

Harper said, one of the problems is to get the fish to pair off early in life. "It is my opinion that they pair for life, the younger the better," he said. "When one is caught on a trotline or pole another approximately the same size can usually be caught in the same spot. The yellows are between three and five years old before they start spawning."

Harper has the same draining problem. He said, "When the pond is draining, they lie back and don't want to come out. We have to rake the moss clean and drain the pond very slowly."

As for food, the flathead lives on bullhead catfish, shad and some types of sunfish. However, food satisfying enough to prevent the youngsters from eating each other while in the rearing pond has not been found.

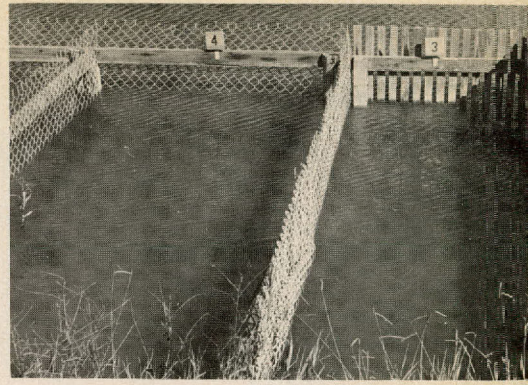
Besides the apparent trait of monogamy, the male yellow is a good parent. After the female releases her eggs, she will make a meal of them unless the male stops her. The male guards the nest, readily attacking intruders, including man. Therefore, the female has to be removed after spawning for her own protection.

This year Henderson lost one of his females. He doesn't know for sure whether she is dead because he hasn't drained the spawning pond. He thinks the male may have got after her, making her jump the wire fence separating each hatching pen, in self defense.

Henderson said all eight of his brooders were put in the hatching pens the last week of May. "Seven of them spawned within two weeks which both surprised and pleased us. The other flathead failed to spawn this year.

"The rearing ponds have been well kept the past two years and there has been plenty of animal life in the ponds for the flatheads to feed upon," he said.

Henderson, in making plans for the future, said, "Next year we hope to get the bullhead catfish to spawn at



A pair at a time is placed in one side of enclosed spawning area at San Marcos hatchery.

the right time so they can be fed to the flatheads. Right now we are feeding our flatheads meat and bone meal the same as our other catfish."

Henderson feels the meat and bone meal is eaten mainly by other animal life in the pond which in turn furnish food for the yellow catfish. "They just won't come to the top and feed like other fish," he added.

The yellows grow slowly the first four or five years but then "they really take off," he said.

Both Henderson and Harper believe these flatheads will be invaluable in possible control of rough fish in a lake or river. The yellow's cannibalistic trait could prove valuable in lakes that are overrun with the mushrooming spawn of carp and gar. However, this is still theory and the methods of successful hatchery raising of the flathead are not far enough along to afford positive conclusions of the true value of the flathead catfish.

As for the fisherman, there is no bigger thrill than landing one of these ferocious catfish on trotline or pole. These fish (also called mudcat, yellow cat, or shovelhead cat) often weigh 25 to 50 pounds or more. Henderson has a photo of one weighing 105 pounds which he caught several years ago. Harper has pictures of pairs he caught weighing 30 or more pounds.

Also, appealing to sport fishermen, big flatheads are not caught in large numbers and are not easily caught. The how, when and where must be known before these monsters can be landed, or for that matter, before they can be mass produced in a hatchery. **



Curtis Harper inspects a spawning box near water intake at the Medina State Hatchery.



PUBLIC HUNT

by CURTIS CARPENTER



PUBLIC HUNTS on the wildlife management areas of Texas are an important part of the total management program being carried out by the Game and Fish Commission. Texans participating in these hunts are actually playing an important role in this program by removing surplus game.

Hunting is just a tool of the wildlife management and research being carried out on these areas. The management areas—Kerr, Angelina, Black Gap, Sierra Diablo, Engeling and Gene Howe—represent samples of major vegetative regions of Texas. This land can be considered laboratory space. Here biologists attempt to learn all they can about wildlife habits, domestic livestock versus wildlife competition for food, the value of public harvest of surplus

game and other answers to Texas' wildlife problems.

Texans who wish to have a part in this wildlife management program and enjoy a good hunt at the same time, can apply for a chance to hunt one of the six management areas by sending a post card request to Texas Game and Fish Commission, Walton State Building, Austin. An application blank and information packet will be sent to the applicants to be filled out and returned to Austin.

Applications will be processed and placed in a revolving basket for a public drawing Oct. 31. A person not affiliated with the Commission will draw for each area a number of cards equal to the number of permits available for the areas. Lucky applicants will be notified by mail shortly after the drawing.

In the past, questions have arisen over the selection method. After last year's hunt, one person asked, "How did a whole family get in on a hunt?" The answer is simple and explains application procedure. An applicant may turn in the names of as many as three other persons to comprise his hunting party. Therefore, if a man makes an application for himself and includes three members of his family as the rest of his hunting party, all four would be eligible for the hunt should the applicant's card be drawn.

Since the hunt is a controlled management activity, persons whose names are drawn cannot hunt in just any part of the area indicated. Each hunting party is assigned to a particular portion of an area.

Although deer is the primary game

hunted in this program, hunters on some areas this year may be permitted to take turkey or javelinas, depending on the surplus. This information will be passed on to those whose names are drawn Oct. 31.

Later in the hunting season, some of the areas will be opened for squirrel hunts, quail hunts or rabbit hunts. As these dates are established along with the bag limits and number of permits and locations, news releases will be mailed out to newspapers across the state.

For those persons who hope to hunt on these areas this year or in future years, brief descriptions of the areas and facilities, a list of the recommended equipment and gear for each area and the hunting dates follow.

ANGELINA AREA: Sabine and Cherokee counties, Nov. 16-20 and Nov. 24-28; 800 permits available. Typical East Texas pine forest habitat. Family auto will do and regular hunting gear, including cold weather clothes, boots, raincoat and a good brush rifle. No camping facilities on the area, but available nearby. Motel and hotel accommodations in nearby Hemphill, San Augustine, Jasper and Lufkin.

GUS ENGELING AREA: Anderson County, 20 miles northwest of Palestine just off U.S. Highway 287; Nov. 16-21, Nov. 26-Dec. 1 and Dec. 6-11; 360 permits to be issued. Typical post oak section. Recommendations for vehicle, hunting gear and rifle the same as for Angelina area. Camping facilities on the area; motel and hotel accommodations at Palestine.

KERR AREA: Kerr County, 15 miles west of Hunt off State Highway 39, Nov. 16-25 and Nov. 28-Dec. 7; 400 permits to be issued. Typical Edwards Plateau terrain, rocky, hilly and thick with cedar. Same type vehicle, hunting gear and rifle as for two areas mentioned above. No camping allowed on the area, but facilities available nearby; motel and hotel accommodations in Kerrville and encampment next to area.

GENE HOWE AREA: Hemphill County, six miles east of Canadian off FM 2266; Nov. 16-23; only 32 permits will be available for the first deer hunt held on this area. Typical upper Panhandle river bottom and sand hill uplands region. Family auto is sufficient, regular hunting gear, including cold weather clothes,

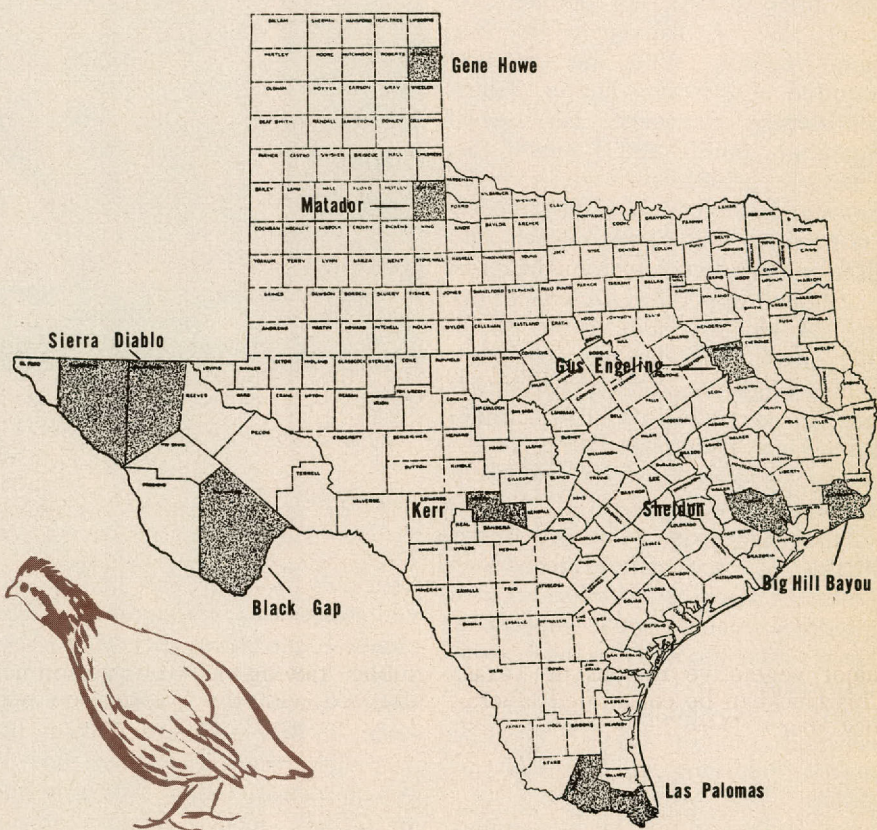
boots, raincoat, and a versatile rifle for both long and short range shooting. No camping allowed on the area, but motel and hotel accommodations available at nearby Canadian.

SIERRA DIABLO AREA: Along the Hudspeth and Culberson county line, high in the Sierra Diablo Mountains about 22 miles north of Van Horn; Dec. 1-14; 100 permits available. Nearly 8,000 acres of rough, rugged hills and steep canyons. Take along very cold weather clothes and hunting gear that will hold up under lots of climbing over sharp rocks and ledges. Take a good long range rifle in the .30-06, .308, .243, .270 and similar calibres, field glasses, canteen and usual hiking gear including something for carrying a snack. The family auto can make the trip up the mountain road leading to the area, but a pickup truck, jeep or other rough road vehicle would be more suitable. Camping grounds have been set up on the area. Because of the long, rough drive back to Van Horn, hunters should come equipped to camp out. Motel, hotel and fine eating accommodations can be found at Van Horn.

BLACK GAP AREA: Brewster County, off U.S. Highway 385, some 45 miles south of Marathon; Dec. 1-14; 500 permits to be issued. Jagged, mountainous terrain, typical of the more arid regions of the Big Bend country. Equipment, gear, clothing, rifle, vehicle should be same as that recommended for the Sierra Diablo area. The trip from Highway 385 to the area headquarters can be made in the family auto, but some of the drives to the camp locations can get fairly rough. Be prepared for some mountain climbing on this area.

The natural surroundings of these areas have been changed very little. Except for some improvements such as roads and underbrush clearing, you will find yourself in the wild, especially on the two trans-Pecos areas. These roads and accesses are above average compared to those of many hunting regions.

With this information you should be prepared for a good hunt if your name is picked. Obey the rules of hunting safety and remember that you help when you hunt. Take time to meet the people who have the tremendous responsibility of caring for our wildlife. And you take it from there. **



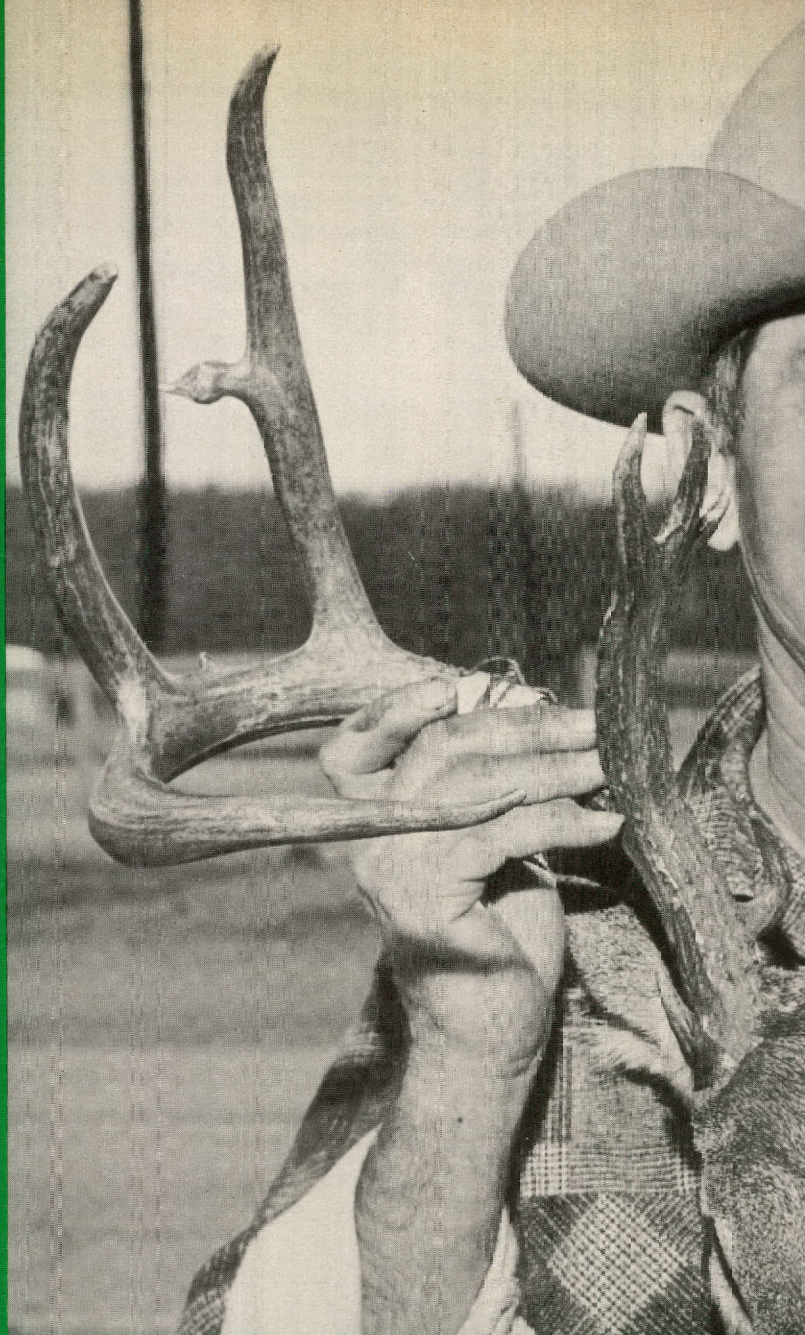
THE HUNTER MOVED through the woods slowly and silently, blending with the trees, not even alarming the birds. He watched a young whitetail buck slip down the bank of a river to drink. The animal would never know its good fortune, for it was one of hundreds which the quiet observer had let pass. The hunter was Kelton S. Tilley, who had hunted whitetail deer for more than 40 years, the last 12 of which he had tenaciously devoted to seeking a buck that would qualify for entry in the Boone and Crockett Records of North American Big Game.

Many Texas sportsmen are acquainted with Tilley and his taxidermy shop in Fort Worth. A stocky man of medium height, the taxidermist has alert black eyes and high cheek bones, which clearly show his proud heritage of one-quarter Comanche Indian. He is a highly skilled artist and is as concerned with turning out a beautifully mounted trophy as he is with hunting whitetails.

My family and I first hunted with Tilley, his wife, and son, Joe, in 1959 ("Trophy Hunt," TEXAS GAME AND FISH, Oct. 1960). It was on this trip that Tilley took his largest whitetail trophy to that date. The buck scored 148 points, two points shy of placing in the big game records. With the patience required of a trophy hunter, Tilley persistently continued his quest. Again my family and I joined the Tilleys for a 1961 deer hunt in Webb County. Examination of the record book proves that Texas' biggest-antlered whitetails come from this cactus choked upper Rio Grande country; nevertheless, none of the bucks that our party killed measured up to the rigid standards. (The Boone and Crockett Club requires a minimum score of 150 points for typically antlered whitetail and 160 points for the non-typical type.)

Tilley contends a few big bucks inhabit any area where there are whitetails. He speculates further that impatience causes some hunters to down a deer too early in the season, thus missing a chance for a real trophy. The counties where Tilley has made his best kills are Throckmorton, Palo Pinto, Jack, Brown and Mason.

Not to be daunted by failure and



After 40 Years

A Tro

with only two days left in the 1961 whitetail season, Mr. and Mrs. Tilley climbed into their pickup in Fort Worth and drove through the dark winter morning to the McInnis Ranch in Brown County. During the past eight years Tilley had hunted this area each season. Not only had he actually seen a number of un-

usually large bucks there, but through his taxidermy business he had inspected racks from many parts of Texas, with some of the finest specimens coming from this immediate territory.

When they pulled up to the ranch at 7:30 a.m., Tilley asked Abney McInnis the inevitable question of



rophy Buck

by MARY K. SLOAN

all deer hunters, "Have you seen any big bucks lately?"

"At the first of the season we saw several fine bucks, but with the hunting pressure they seem to have disappeared," McInnis answered.

From his many years of experience at hunting in almost every whitetail inhabited county in Texas,

Tilley was of the opinion that there is nothing as wary as an old buck—especially after he has heard the first shot of the season.

The Tilleys hunted all day, saw six bucks, but none met the requirements. Late in the afternoon the couple selected a long, mesquite and oak covered hill for their final try.

Mrs. Tilley took a stand at the head of one of the rough draws that penetrated the side of the rise, while her husband began to work slowly along the bluffs toward the point of the hill.

The hunter stopped frequently to glass, but saw no deer. He then eased to a high vantage point from where he had a sweeping view of a mesquite laden flat. The irregular far side of the flat, like outstretched fingers, dropped off into a gorge, down which flowed a stream from the spillway of Lake Brownwood.

Evening shadows made glassing tricky and tedious as Tilley carefully studied the edges of each opening below. Presently he saw three does silently appear in a clearing and begin feeding. The chill of the lowering sun stole across the wintry landscape as the hunter watched the deer graze over the flat and vanish around the point of the hill. Other deer began to steal out of the shadows. All at once a buck burst into the opening, momentarily breaking up the tranquil scene as the does scurried about.

Quickly, Tilley put the binoculars on the buck. He was a beautiful 8-pointer with extraordinary long lines, but he was not the trophy the hunter wanted. All the deer settled down to feed again and Tilley continued his vigil.

Meanwhile, Mrs. Tilley alerted to a loud popping of brush. She readied her rifle. Suddenly she saw a doe flash through the mesquites; hot on its trail was a buck. And what a buck! Although the woman had caught only a glimpse of them, she realized the buck had the most magnificent rack of any whitetail she had ever seen. The pair was heading down the canyon, straight in Tilley's direction. Mrs. Tilley tensely hoped that the deer would stay on their course, for no one knew better than she the effort and time her husband had spent in seeking such a trophy.

On top of the hill Tilley suddenly saw all the deer in the flat throw up their heads and stare nervously at the rim of the canyon. All at once, 300 yards off, the doe bounded out of the gorge with the buck following close in reckless pursuit. Tilley took

• Continued on Page 29



Amid Valley orchards and palm trees, a typical whitewing hunter brings down a feathery target.

IT WAS ABOUT TWO in the afternoon when the action began. Before then nothing seemed to indicate danger ahead from a bird's point of view, except the dozens of vehicles lining the roads below and the hundreds of two-legged creatures moving about. The birds went about satisfying their appetites, nonchalantly searching out seeds of various sorts and then returning to their favorite roosting trees.

A brisk wind tossed loose seeds from tall sunflowers rooted deep in the soil midst a skeleton fruit orchard left by the big freeze earlier in the year. A blazing sun reached down its rays from the clear blue sky and singed the earth below. On the horizon, thunderheads began to creep into view. Great rows of green

headed palms swayed rhythmically on their long, slender trunks.

A pair of men with shotguns lying across their laps shadowed themselves beneath a full mesquite tree. At intervals, each would raise his gun and take practice swings on the swift birds as they passed overhead.

Then it was for real! The hunter on the right lifted his eyes from his wrist watch, caught a bird in his sight, led it, and squeezed off a round. The bird collapsed in a puff of feathers and tumbled to the edge of the plowed field at the edge of the orchard. From that instant until sunset, the sound of exploding powder echoed through the valley. It was the sound and sights of Texas' fantastic white-winged dove hunt, Sept. 7 and 9.

DOVE DELIGHT

by CURTIS CARPENTER

When the bright South Texas sun slipped behind a dark, rain-filled cloud in the late evening of the final day, the roar of guns gradually faded until only a few sounded in the far distance. Then there was quietness over the land, and the doves once more searched out their roosts in peace.

Biologists estimated that some 115,000 whitewings were harvested during the two-day hunt. Approximately 46,000 mourning doves had their feathers dusted with bird shot, and with their larger cousins, ended up in freezers or deep fat.

When all the statistics were in, it was determined that about 16,300 hunter days were spent in the field during the season. This compares with the 10,500 hunter days afield in

1961 during the 3-day hunt that year. Hunter success was estimated to be 7.05 whitewings and 2.84 mourning doves, for an average bag of 8.89 birds per hunter per day.

Biologists in the valley reported that the response to the hunter check stations was very good, with hunters contributing 11,299 whitewing legs for analysis. From these legs, it was learned that 58.07 per cent of the birds were young and that the kill contained an age ratio of one adult to 1.35 young. Only about 39 per cent of all white-winged doves present in the Rio Grande Valley immediately prior to the hunt, were killed by the hunters. This means that a good crop of brood birds was left for next year's nesting season.

It sometimes is difficult to realize that the whitewing has become so popular, especially in the last five years or so. People will drive clear across the state, or farther, just to get in a couple of days' shooting.

The bird is not especially colorful, nor is it always a difficult target to hit with the right ammo and the right gun. It is bigger than the mourning dove, but not nearly as elusive in flight. Normally, a white-wing cruises at a higher altitude than its smaller cousin, but on a slower, straighter course.

Undoubtedly, the white-winged dove rates far above average because its range is so restricted and because its numbers are far below that of the mourning dove. If a person desires to take a few shots at the pride of South Texas with the white-slashed wings, he must drive toward the Mexican Border. There, along the southern border in a garden environment, he'll discover the famous whitewings and warm hospitality with a Mexican flavor.

Many hunters just want an excuse to get the family on a hunting trip together, so they head for whitewing country. Others simply enjoy getting out with hunting buddies to experience the always popular excitement of competition. Then, there are hunters who find pleasure in vigorously attempting to get a limit with just 12 shells, but usually end up using two boxes of shells. And they love every minute of the hunt trying. Most whitewing hunters long to taste

the flavor of whitewings floating in cream gravy and smothered with dumplings. But, this usually is not the major reason for enduring the pains and expenses of a hunt.

The real thrill of the hunt is waiting in a shady spot with gun ready; sighting a flight of birds zig-zagging



A pile of birds and an empty shotgun indicate a successful whitewing season.

a course across some distant field and hoping they will come across in front just right for a good, clean shot, maybe even a double—or a triple; watching someone nearby make a perfect shot; powdering a fat one out of the clouds; following through on an impossible shot and making a kill; sitting around after the hunt

shucking feathers and bragging on a few fantastic shots and finally, walking through the door with feathers scattered about from head to toe and gulping down the praise coming from the sweet wife and noisy children.

When the smoke cleared in the Valley this year, a great hunt had ended. Hunters were well pleased with their successes, and biologists of the Texas Game and Fish Commission were satisfied, as were the many law enforcement officers who assisted the biologists and enforced the rules.

Much credit must go to these dedicated biologists and officers for a job extremely well done. Because of their efforts, whitewings can still be harvested without the danger of complete extermination. Through months of constant inventory, these men made a very serious decision—how many birds were there and how many could be removed. It wasn't a decision that could be made without concern.

From the beginning to the end, from tagging and censusing to hunting—it's all a part of effective game management. The white-winged dove is the crop; the hunt is the harvest. It's just a bird with a splash of white across its wings, but it provides thrills and feasts for thousands of Texans each year. **



Himself scattered with feathers, the hunter prepares his birds for cooking.

Regional



Roundup

Region I San Angelo

Game and Fish Commission Law Enforcement personnel in Region I are now better qualified to answer questions concerning bobwhite quail, thanks to the recent efforts of A. S. Jackson, Region I Research Biologist.

A two-and-a-half-day quail school was recently conducted in Paducah, Texas, for a group of wardens, and each was impressed with how much information A. S. Jackson has accumulated the past 25 years.

Principally, Jackson had this to say about cover requirements for bobwhite quail:

Loafing Cover: Any type cover either woody or herbaceous is satisfactory but must be open enough that quail can move freely. Most desirable types would be low hanging grapevines, catclaw clumps, wild plum thickets or low branching mesquite.

Feeding Cover: A variety of food plants must be present in abundance and the ground should be relatively clear of litter. Jackson believes quail seldom scratch for food; therefore, seeds should be visible if they are to be picked up. Woody plants should be fairly dense above but open below so birds can move freely and see weed seeds easily.

Escape Cover: When bobwhites are frightened, the densest, heaviest and almost impenetrable brush clumps are preferred. Bobs dive into such cover and freeze. As soon as the danger is gone, they promptly emerge and seek other cover.

Nesting Cover: Bobwhites prefer dense grass clumps, heavily foliated sagebrush clumps and other brushy shrubs that are situated near openings such as ranch roads, field borders, washes or gullies. Nests are generally built so the hen sits on the nest and faces the opening from the concealed nest, flushing in that direction when disturbed. Jackson also believes bobwhite young quickly utilize the open ground near the nest after hatching, since baby bobwhites have difficulty moving through high or dense brush.

Travel Cover: Feeding areas are generally far removed from loafing and escape cover and can be utilized only if there are travel lanes available. Brushy or weedy fence rows are fine travel lanes and should be protected on every farm or ranch.

Artificial Cover: Planting brushy shrubs has been a good management technique for improving quail habitat for some time, but Jackson believes the arrangement of plantings is very important. He thinks a long strip of trees, say three rows wide and several hundred yards long, is preferable to a block of trees or shrubs because more edge is created and the strip of cover is accessible from many points.

Region III Tyler

The people who complain that fishing interferes with work, don't seem to realize that work interferes with fishing. In East Texas, right now, it's amazing how much work seems to get done, considering how good fishing has become.

Fishing, this month, compared to previous ones, is like the measurement of flash powder against an arc light. One is very bright for a short time, and the other, consistent. However, hope is high that good fishing will continue to prevail even throughout the winter.

Lake Tawakoni, between Greenville and Terrell, with 200 miles of shoreline, built at a cost of \$19 million, is furnishing an abundance of fish—big fish—for a very few anglers. Game Warden Glen Mitchell, checking the lake, reports that bass up to three pounds are being taken consistently, and even a six-pounder won't draw too many surprised stares.

There are no cabins for rent, few facilities for public camping, and only a handful of boat and bait concessions around the lake, but no doubt this condition will be improved as time goes by. Fishing is largely aimed toward the bass and crappie. Majority of crappie caught are small, but what they fail to satisfy in size, is more than made up for in numbers. Sand bass and channel cat are not caught often, and these few catches are usually below the one-pound size. Largemouth bass have stolen the show.

Lake Texoma, on the Oklahoma border, is much like the woman who gave her age as 30, five years in a row. She was one of those who didn't say one thing today, and something else tomorrow. Texoma is still fish productive, with about 20 per cent of the fishermen taking about 80 per cent of the fish. To fish this gigantic body of fresh water, the angler must either be good at tempting fish, or know the lake, or both. Fish grow large in Texoma, which is befitting its vastness, and many big fish stories have their start around its shoreline.

According to John M. Carlisle, director of Region Three, Lake Texarkana is becoming one of the better fishing lakes in the region due to the large number of people who visit the 20,300 acres of impounded water on the Sulphur River. Lake O' The Pines, between Gilmer and Jefferson, is also getting its share of happy Ike Waltons who go home with stringers of bass, crappie and sunfish. This lake is expected to improve even more as time goes by, due to the various depths of water, sufficient food supply and natural spawning areas. Lake O' The Pines covers more than 18,000 acres at conservation level and is rapidly becoming noted for sheer beauty of surrounding forest land and timbered water areas.

• Continued on Page 27

ENFORCEMENT PERSONNEL are by far the most numerous members of the Game and Fish Commission staff; their public contacts are proportional in number. The Law Enforcement Program remains about the same as in the past in regard to actual enforcement work as enforcement responsibilities are well defined by Statute. Yet other duties have been added and the Game and Fish enforcement officer is now a most versatile man.

In the fundamental enforcement of existing laws dealing with fish and wildlife, the modern concept emphasizes the prevention of accidental violations as well as apprehension of willful violators. Also, these men assist the technical branches of the Commission in the application of Wildlife and Fish Management procedures and by means of their frequent contacts with the public are a great aid in the dissemination of information concerning game and fish laws and departmental procedures.

Projects involving the censusing of many of the game animals and game birds are in progress at this time all over the State. The techniques and sites for this management procedure are planned by the Wildlife Management function and are operated by both the wildlife people and the enforcement branch.

Pollution control, which involves field investigation of reported violations and the taking of water samples from state streams at designated locations twice each month for analysis by the Texas State Health Department, is another of the officer's duties.

Records indicate that enforcement personnel participated in over 3000 meetings of sportsmen's clubs, civic organizations and schools in 1961 and will probably exceed this number in 1962.

A film library in the Austin headquarters supplies copies of film for showing at these meetings if requested and Information and Educa-

tion officers in each region supply material for talks dealing with fish and game subjects.

Many of the officers engage in many projects that are not requirements but assist in a good management program. One promotes a hunt for the benefit of boys from orphanages; another promotes fishing tackle as gifts to the boys of other state institutions.

Others participate in National Rifle Association Gun Safety programs, assist in control of forest fires, recovery of drowning victims and other civic projects where aid is requested. One man has carried on a temperature study that should prove valuable in determining how long a deer has been killed.

A selective system of employment and an intensive training program for new enforcement personnel have resulted in an expanded service to the public.

New enforcement employees are recruited through a process of

Meet Your Warden

by J. B. PHILLIPS



But Not This Way

written examinations, personal interviews by a board of supervisory members and a thorough, background investigation. This year's recruits reported September 1 for an eight-day training period that oriented them in their new jobs and gave them a sampling of basic law and instructions in report and record keeping.

At the completion of this orientation session, the new men were assigned to project leaders of the Wildlife function for supervised work in that field until November 1. At this time the recruits will be placed with experienced district enforcement officers and will assist in these duties until January 1, when they will be placed with Inland and Coastal Fisheries project leaders for training in that area of work.

These men will report to Texas A. & M. College Warden Training

on February 1 and will remain there for four months where they will receive concentrated instruction in law, game and fish management, driving, boat safety, first aid, civil defense and other pertinent subjects. Instructors for this school are teachers on the Wildlife Management School staff of the College, District Conservation Chiefs and functional coordinators. At the completion of the training school at A. & M. College, the enforcement employees will be assigned to specific districts as full-time enforcement officers. These officers will be supplied with state-owned automobiles, properly identified, as an extension of their uniforms. Marked patrol boats are furnished for lake and coastal duty. Two airplanes are available for trouble spots as the need arises.

The Commission activities were formerly administered through an



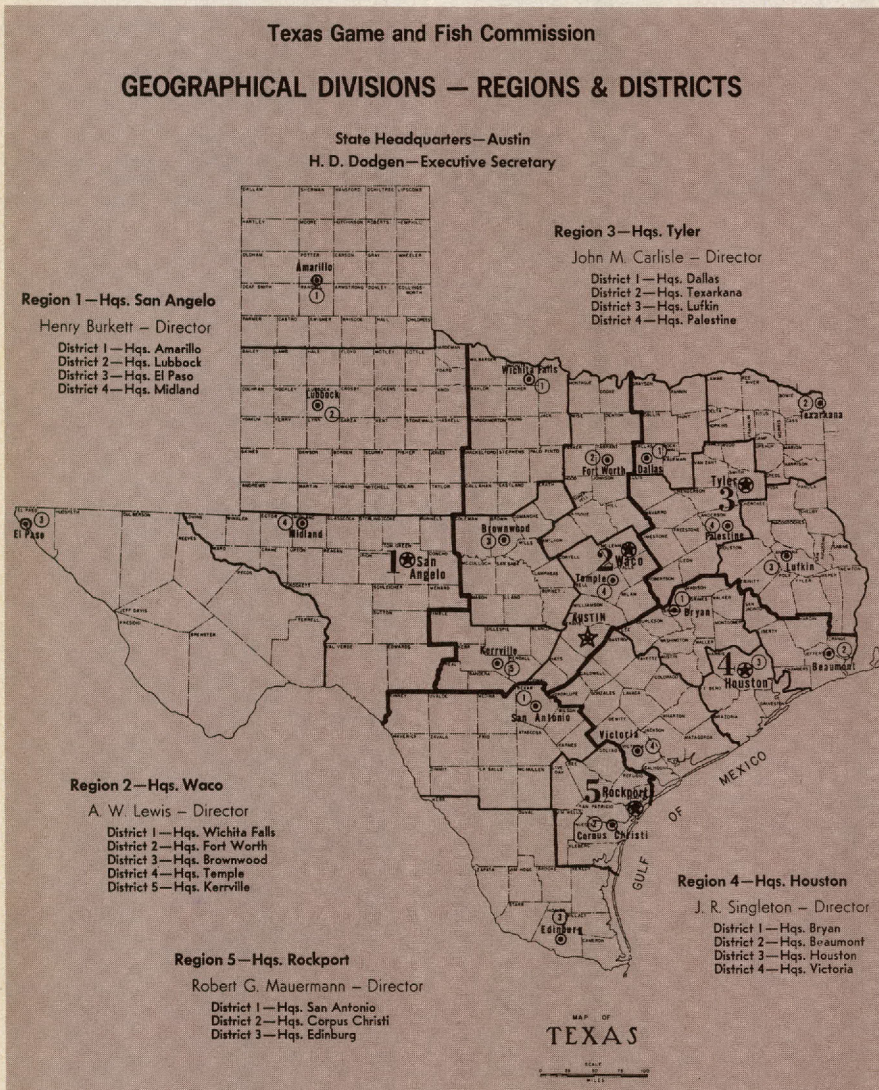
J. B. PHILLIPS
Coordinator Law Enforcement

organizational plan which included several separate divisions with a divisional director responsible to the Executive Secretary for the operation of each of these units. Beginning September 1, 1961, reorganization of the Commission on a regional basis became effective. Under this plan, the work is accomplished through a line and staff operation. This organizational method was chosen by the Commission to improve efficiency in operation and service. This line operation is headed by the Director of Field Operations through the Regional Directors to Conservation Supervisors. District Conservation Chiefs are in twenty field offices to administer on the ground and to assist in the operations.

Your enforcement officer is one of your local representatives of the Commission. He is at your service to issue a license, explain the work and services offered by the Commission, to interpret the game laws for you and to help you in many other ways.

Remember too that the source of funds for carrying on of conservation work is largely received from the sale of fishing and hunting licenses. Ernest Swift, in an editorial in the CONSERVATION NEWS stated "These funds might dry up unless someone is out in the field and asking, 'May I see your license, please.'"

Get better acquainted with your local Game and Fish officer. He is there to serve you. **



Region I

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Woody Pond
San Angelo
Drawer 1590

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Clayton McKinney
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Sanderson



Jack Woodford
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Kerrville
1111 Kellogg Bldg.

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C. D. Edmondson
Waco
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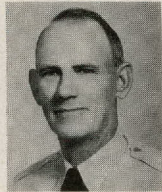
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D. J. Caudle
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L. H. Clymer
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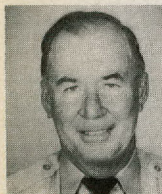
G. A. Crooks
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D. E. Davis
Cameron
1505 Jackson



J. R. Dowell
Wichita Falls
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State Bank Bldg.



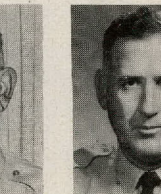
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C. H. Johnson, Jr.
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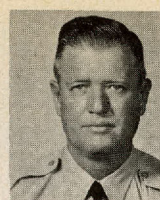
C. F. Keller
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J. C. Moore
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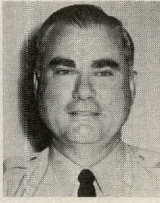
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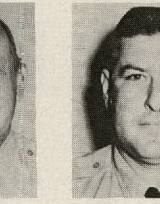
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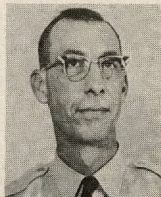
H. D. Farley
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W. L. Garland
Freeport
P. O. Box 884



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J. W. Worthington
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Region V

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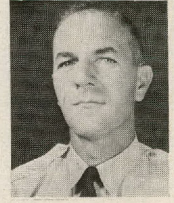
District Conservation Chiefs



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Corpus Christi
1220 S. Staples



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535 S. Main



H. H. Schoen
Edinburg
Echo Motor Hotel

Enforcement Personnel



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Brownsville
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D. W. Bowers
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Echo Motor Hotel



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W. H. Gooch
Raymondville
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F. C. Henze
Mathis
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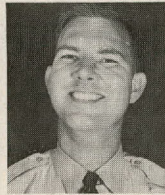
J. R. Holbein
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Pearsall
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R. N. Lancaster
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B. J. Lindeman
Brackettville
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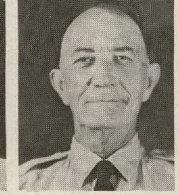
J. L. McDougald
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C. L. Oswalt
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J. R. Palmer
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B. C. Peebles
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J. C. Reeves
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General Delivery



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San Antonio
535 S. Main



D. W. Sellstrom
Woodsboro
P. O. Box 651



C. M. Shafer
Kingsville
RFD #1, Box 620



Earl Sloan
Aransas Pass
P. O. Box 247



W. R. Stewart
Rio Hondo
P. O. Box 491



A. Timmerman
Hondo
2106 Avenue U



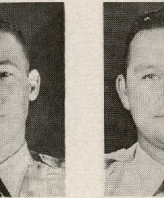
S. C. Valentine
Corpus Christi
4109 King Richard



W. E. Vickers
Pleasanton
P. O. Box 582



B. J. Weaver
Rockport
P. O. Box 272



C. D. Webb
Corpus Christi
1220 South Staples



C. E. Whitenton
Laredo
419 Matamoros



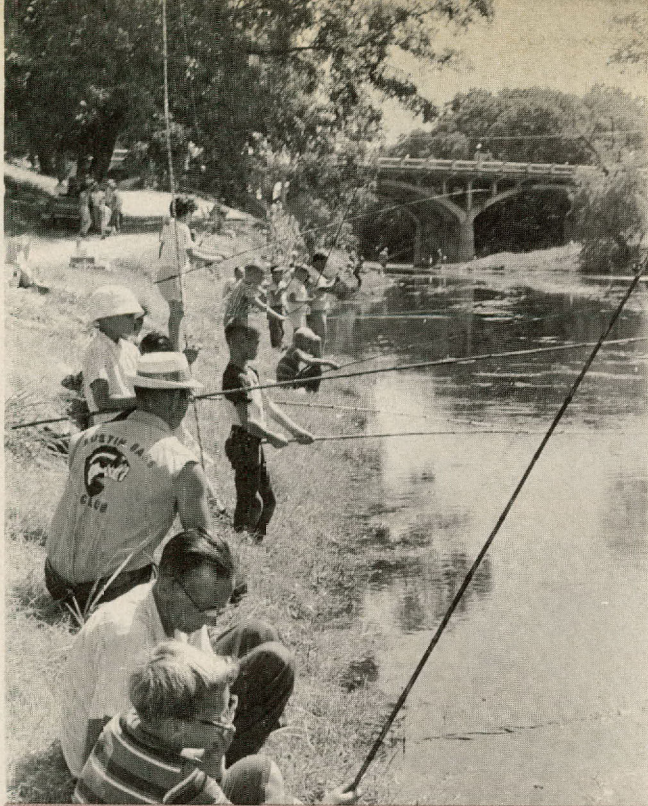
R. E. Winburne
Goliad
P. O. Box 223

Wardens by County

County	Region	Name	Address	County	Region	Name	Address
ANDERSON	III	C. D. Kormegay Bert Cade L. M. Osborn	311 W. Main, Palestine 311 W. Main, Palestine Tennessee Colony	DUVAL	V	B. G. Reed	P. O. Box 1558, Freer
ANDREWS	I	W. H. Pratt	P. O. Box 176, Lamesa	EASTLAND	II	M. S. Dry	207 W. Sadosa, Eastland
ANGELINA	III	J. B. Weaver R. R. Ogburn	P. O. Box 335, Lufkin 434 S. Bynum, Lufkin	ECTOR	I	B. F. Barnes	1705 East 12th, Odessa
ARANSAS	V	J. R. Palmer Earl Sloan	Box 1117, Rockport P. O. Box 247, Aransas Pass	EDWARDS	I	E. W. Martin	P. O. Box 191, Rocksprings
ARCHER	II	B. J. Weaver James Dowell	Box 272, Rockport Parker Square Bank Bldg., Wichita Falls	ELLIS	III	J. I. Gerganess	408 Floyd St., Waxahachie
ARMSTRONG	I	W. S. McDonough Carl Carter	Box 398, Canyon Box 134, Clarendon	EL PASO	I	Edgar Sturdivant C. M. Talbert	206 San Francisco Ave., Room 202, El Paso
ATASCOSA	V	W. E. Vickers	Box 582, Pleasanton	ERATH	II	J. C. Moore	P. O. Box 165, Stephenville
AUSTIN	IV	E. E. Hargett	P. O. Box 95, Bellville	FALLS	II	Delbert Davis	1505 Jackson, Cameron
BAILEY	I	P. L. Donnelly	Box 149, Littlefield	FANNIN	III	C. T. Jones	Box 181, Trenton
BANDERA	II	R. L. Stevens	Box 546, Bandera	FAYETTE	IV	J. B. Goodwin	Route 1, Gonzales
BASTROP	IV	H. D. Farley	P. O. Box 243, Bastrop	FISHER	I	E. C. Bauman	790 Grand St., Abilene
BAYLOR	II	L. L. Rozell	Box 1075, Seymour	FLOYD	I	J. D. Noles	Box 216, Matador
BEE	V	C. L. Oswalt	P. O. Box 7, Beeville	FOARD	I	F. F. Ordener	Box 537, Paducah
BELL	II	W. J. Gregory	6 N. General Bruce Dr., Temple	FORT BEND	IV	W. L. Garland H. T. Mayne	P. O. Box 884, Freeport Box 566, Angleton
BEXAR	V	F. I. Gaby R. S. Evins R. E. Custer	P. O. Box 3127, Temple 535 S. Main, San Antonio 535 S. Main, San Antonio	FRANKLIN	III	B. T. Wood	P. O. Box 265, Mt. Pleasant
BLANCO	II	D. V. Sachtleben W. B. Guthrie	535 S. Main, San Antonio P. O. Box 192, Johnson City	FREESTONE	III	B. E. Bergstrom	Box 324, Fairfield
BORDEN	I	W. H. Pratt	P. O. Box 176, Lamesa	FRIO	V	B. R. Hoyle	P. O. Box 906, Pearsall
BOSQUE	II	B. W. Rhudy	Box 217, Meridian	GAINES	I	W. H. Pratt	P. O. Box 176, Lamesa
BOWIE	III	J. A. Shaddix	702 W. 10, Room 102, Texarkana	GALVESTON	IV	W. C. Childress R. Z. Finchum P. O. Box 7, Worthington J. H. Pratt	Route 1, Box 134, Pearland 2313 Avenue J, Galveston P. O. Box 8, Seabrook P. O. Box 1241, Galveston
BRAZORIA	IV	L. A. Peacock W. C. Childress	Box 923, De Kalb Route 1, Box 134, Pearland			B. R. Miles A. G. Cook R. S. Hanson R. E. Martin T. F. Wheelis	Box 54, High Island P. O. Box 381, Seabrook Box 251, League City P. O. Box 8, Seabrook 2345 - 50th, Lubbock
BRAZOS	IV	W. L. Garland H. T. Mayne M. B. Hopkins	P. O. Box 884, Freeport Box 566, Angleton County Courthouse, Bryan	GARZA	I	M. T. Reinhardt, Jr.	2104 - 48th, Lubbock
BREWSTER	I	J. D. Robertson	1222 West 27th, Bryan	GILLESPIE	II	Adolph Heep	Box 66, Fredericksburg
BRISCOE	I	S. J. DeVoll	Box 698, Alpine	GLASSCOCK	I	W. T. Rinehart	2209 North Big Spring, Suite 2, Midland
BROOKS	V	Carl Carter	Box 134, Clarendon	COLIAD	V	R. E. Winburne	Box 223, Goliad
BROWN	II	W. M. Kinsey R. W. Wood H. D. Penney	Box 337, Falfurrias 209 W. Baker, Brownwood	CONZALES	IV	J. B. Goodwin	Route 1, Gonzales
BURLESON	IV	M. C. Wills	209 W. Baker, Brownwood	GRAY	I	Jack Woodford	Box 26, Miami
BURNET	II	L. D. Gustin B. M. Sprott R. H. Pinckney W. H. Smith	Box 945, Brenham 409 City St., Caldwell Star Route, Burnet P. O. Box 116, Buchanan Dam	GRAYSON	III	S. D. Brown	Route 1, Pottsboro
CALDWELL	IV	H. D. Farley	P. O. Box 435, Marble Falls	GREGG	III	R. G. Goss R. B. Jesse	P. O. Box 651, Kilgore Box 366, Gilmer
CALHOUN	IV	R. C. Nichols Homer Roberson	Box 945, Brenham 200 E. Elizabeth, Palacios	GRIMES	IV	Robert Lys	1412 Oakwood, Navasota
CALLAHAN	II	M. S. Dry	Box 705, Port Lavaca	GUADALUPE	IV	C. A. Turner	Box 216-K, Seguin
CAMERON	V	W. R. Stewart E. L. Billings	207 W. Sadosa, Eastland P. O. Box 491, Rio Hondo 934 East Levee, Rm 105, Brownsville	HALE	I	M. T. Reinhardt, Jr.	2104 - 48th Street, Lubbock
CAMP	III	N. B. Henk	Box 101, Daingerfield	HALL	I	J. D. Burrus	606 Avenue G, NW, Childress
CARSON	I	L. L. Black	3621 Teckla, Amarillo	HAMILTON	II	J. C. Moore	P. O. Box 165, Stephenville
CASS	III	R. C. Howlett	715 E. Main, Atlanta	HANSFORD	I	S. V. Whitehorn	P. O. Box 934, Stinnett
CASTRO	I	W. S. McDonough	P. O. Box 398, Canyon	HARDEMAN	I	F. F. Ordener	Box 537, Paducah
CHAMBERS	IV	W. C. Childress J. W. Worthington A. C. Payne J. J. Tisdale J. D. Burrus	Route 1, Box 134, Pearland P. O. Box 8, Seabrook P. O. Box 667, Anahuac P. O. Box 205, Rusk 606 Ave. G., NW, Childress	HARDIN	IV	O. H. Davis	County Courthouse, Kountze
CHEROKEE	III	J. M. Hale	209 W. North, Henrietta	HARRIS	IV	J. B. Brower C. C. Becker R. E. Miller	2370 Rice Blvd., Houston 2370 Rice Blvd., Houston 2370 Rice Blvd., Houston
CHILDRESS	I	P. L. Donnelly R. L. Flanagan	P. O. Box 149, Littlefield P. O. Box 141, Robert Lee	HARRISON	III	Sherman Bales	Route 2, Karnack
CLAY	II	H. D. Penney	209 W. Baker, Brownwood	HARTLEY	I	C. L. Tow	P. O. Box 722, Dalhart
COCHRAN	I	C. R. McCallum	P. O. Box 531, Wylie	HASKELL	I	W. V. Lowry	Box 34, Jayton
COKE	I	G. W. Farr	509 S. Houston, Shamrock	HAYS	II	F. A. Hamer	P. O. Box 681, San Marcos
COLEMAN	II	L. F. Kohleffel	Route 2, Box 26-E, Columbus	HEMPHILL	I	P. D. Moseley	P. O. Box 337, Canadian
COLLIER	III	W. F. Sumbing	Route 1, Box 100, New Braunfels	HENDERSON	III	T. C. Browning	105 Mary Beth Lane, Athens
COLLINGSWORTH	III	J. C. Moore W. G. Craig	Box 165, Stephenville Paint Rock	HIDALGO	V	Harvey Schoen D. W. Bowers	Echo Motor Hotel, Edinburg Echo Motor Hotel, Edinburg
COLORADO	IV	Jack W. Gregory F. I. Gaby F. F. Ordener	6 N. Gen. Bruce, Temple Box 3127, Temple Box 537, Paducah	HILL	II	L. H. Clymer	Box 206, Whitney
COMAL	II	B. F. Barnes	1705 East 12th, Odessa	HOCKLEY	I	P. L. Donnelly	Box 149, Littlefield
COMANCHE	II	David Allen	Box 1106, Ozona	HOOD	II	G. A. Crooks	403 Glen Drive, Weatherford
CONCHO	I	C. L. Fox	424 W. Harris, Spur	HOPKINS	III	J. L. Jackson	Box 425, Sulphur Springs
COOKE	II	G. W. Vickers	Box 1825, Pecos	HOUSTON	III	B. M. Moore	Route 2, Crockett
CORYELL	II	Clayton McKinney	P. O. Box 671, Van Horn	HOWARD	I	Royis Tucker	4405 Connally, Big Spring
COTTLER	I	C. L. Tow	P. O. Box 722, Dalhart	HUDSPETH	I	Clayton McKinney Charles Talbert	Box 671, Van Horn 206 San Francisco Ave., Room 202, El Paso
CRANE	I	A. A. Stein	County Courthouse, Dallas	HUNT	III	G. C. Mitchell	P. O. Box 708, Greenville
CROCKETT	I	R. L. Wood	County Courthouse, Dallas	HUTCHINSON	I	S. V. Whitehorn	P. O. Box 934, Stinnett
CROSBY	I	W. H. Pratt	P. O. Box 176, Lamesa	IRION	I	W. G. Carpenter	P. O. Drawer 1590, San Angelo
CULBERSON	I	Calhoun Lovelace	Box 226, Vega	JACK	II	David B. Hancock W. T. Harris James M. Hale	Box 981, Graham Box 430, Mineral Wells 209 W. North, Henrietta
DALLAM	I	J. L. Jackson	P. O. Box 671, Van Horn	JACKSON	IV	A. W. Henderson	P. O. Box 642, Canado
DALLAS	III	J. C. Romines	P. O. Box 722, Dalhart	JASPER	III	J. W. Kincannon	Box 313, Jasper
DAWSON	I	J. L. Jackson	Box 425, Sulphur Springs	JEFF DAVIS	I	H. R. Adams	P. O. Box 514, Fort Davis
DEAF SMITH	I	J. C. Romines	3804 Atlas Dr., Denton	JEFFERSON	IV	W. A. Gentry M. L. Davis Bobbie Howard	2360 Calder, Beaumont 3500 Thomas Blvd., Port Arthur 2360 Calder Avenue, Beaumont
DELTA	III	B. J. Dreher	Route 4, Box 77, Cuero	JIM HOGG	V	J. R. Holbein	P. O. Box 224, Hebronville
DENTON	II	C. L. Fox	424 W. Harris, Spur	JIM WELLS	V	F. C. Henze	P. O. Box 675, Mathis
DE WITT	IV	J. E. Pond	Rt. 1, Carrizo Springs	JOHNSON	II	P. W. Staley	205 N. Douglas, Cleburne
DICKENS	V	Carl Carter	Box 134, Clarendon	JONES	I	E. C. Bauman	790 Grand Street, Abilene

Wardens by County

County	Region	Name	Address	County	Region	Name	Address
KARNES	V	R. J. Holstein	Box 486, Floresville	REAGAN	I	W. T. Rinehart	2209 N. Big Spring, Suite D, Midland
KAUFMAN	III	R. L. Wood	County Courthouse, Dallas			David Allen	Box 1106, Ozona
KENDALL	II	J. J. Hood	Box 363, Comfort	REAL	II	C. F. Keller	P. O. Box 212, Leakey
KENEDY	V	W. H. Gooch	P. O. Box 653, Raymondville	RED RIVER	III	B. P. Brooks	605 N. Locust, Clarksville
		J. L. McDougald	523 S. Lantana, Kingsville	REEVES	I	G. W. Vickers	P. O. Box 1825, Pecos
KENT	I	W. V. Lowry	Box 34, Jayton	REFUGIO	V	D. W. Sellstrom	P. O. Box 651, Woodsboro
KERR	II	E. O. Willmann	111 Kellogg Bldg., Kerrville	ROBERTSON	III	Jack Woodford	Box 26, Miami
		D. W. McClure	111 Kellogg Bldg., Kerrville			Ross Seale	202 Norwood Lane, Hearne
KIMBLE	II	D. J. Caudle	301 North 19, Junction	ROCKWALL	III	Charles McCallum	Box 531, Wylie
KING	I	C. L. Fox	424 W. Harris, Spur	RUNNELS	I	R. L. Flanagan	Box 141, Robert Lee
KINNEY	V	B. J. Lindeman	P. O. Box 495, Brackettville	RUSK	III	B. W. Daniel	Box 1160, Henderson
		J. L. McDougald	523 S. Lantana, Kingsville	SABINE	III	D. E. Thweatt	Gen. Del., Hemphill
KLEBERG	V	C. M. Shafer	RFD 1, Box 620, Kingsville	SAN AUGUSTINE	III	G. E. Berry	Rt. 2, San Augustine
		C. L. Fox	424 W. Harris, Spur			E. M. Lacy	P. O. Box 305, San Augustine
KNOX	I	C. H. Lawrence	2211 E. Polk, Paris	SAN JACINTO	IV	B. R. Moses	Box 113, Coldsprings
LAMAR	III	B. C. Watson	Route 1, Sumner	SAN PATRICIO	V	F. C. Henze	P. O. Box 675, Mathis
		P. L. Donnelly	Box 149, Littlefield			D. W. Sellstrom	P. O. Box 651, Woodsboro
LAMB	I					Earl Sloan	P. O. Box 247, Aransas Pass
LAMPASAS	II	R. N. Lancaster	P. O. Box 598, Cotulla	SAN SABA	II	N. J. Head	P. O. Box 651, San Saba
LA SALLE	V	Emmett Wolfsdorff	Route 1, Hallettsville	SCHLEICHER	I	B. J. Works	Box 365, Eldorado
LAVACA	IV	H. D. Farley	P. O. Box 243, Bastrop	SCURRY	I	W. V. Lowry	Box 34, Jayton
LEE	III	Seth Taylor	Box 96, Normangee			W. H. Pratt	Box 176, Lamesa
LEON	III	H. H. Koen	Rt. 1, Box 330, Liberty	SHACKELFORD	II	H. B. Iverson	Box 537, Albany
LIBERTY	III	G. E. Schuh	308 S. Ross, Mexia	SHELBY	III	Randy Osburn	P. O. Box 647, Center
LIMESTONE	I	P. D. Moseley	P. O. Box 337, Canadian	SHERMAN	I	S. V. Whitehorn	Box 934, Stinnett
LIPSCOMB	V	F. C. Henze	P. O. Box 675, Mathis	SMITH	III	J. L. Hardie	516 S. Peach, Tyler
LIVE OAK	V	B. C. Peebles	P. O. Box 24, George West	SOMERVELL	II	Phil Staley	205 N. Douglas, Cleburne
		B. R. Swope	Box 283, Llano	STARR	V	J. R. Holbein	Box 224, Hebbornville
LLANO	II	R. H. Pinckney	Box 116, Buchanan Dam			B. G. Reed	Box 1558, Freer
		B. F. Barnes	1705 E. 12th, Odessa	STEPHENS	II	N. E. Glover	Box 269, Breckenridge
LOVING	I	T. F. Wheelis	2345 - 50th St., LMK Bldg., Lubbock	STERLING	I	R. L. Flanagan	Box 141, Robert Lee
LUBBOCK	I	M. T. Reinhardt, Jr.	2104 - 48th St., Lubbock	STONEWALL	I	W. V. Lowry	Box 34, Jayton
		M. T. Reinhardt, Jr.	2104 - 48th St., Lubbock	SUTTON	I	N. W. Johnson	Box 881, Sonora
LYNN	I	J. D. Robertson	1222 W. 27th, Bryan	SWISHER	I	W. S. McDonough	P. O. Box 398, Canyon
MADISON	IV	L. C. Hallum	1416 - 17th St., Huntsville	TARRANT	II	M. E. Stallcup	5406 River Oaks Blvd., Fort Worth
		Bill Belote	Box 209, Jefferson			J. R. Hill	5406 River Oaks Blvd., Fort Worth
MARION	III	I. W. H. Pratt	P. O. Box 176, Lamesa	TAYLOR	I	E. C. Bauman	790 Grand Street, Abilene
MARTIN	II	E. H. Bradley	Rt. 2, Box 32-D, Bay City	TERRELL	I	C. C. Wilson	Sanderson
MASON	IV	R. C. Nichols	200 E. Elizabeth, Palacios	TERRY	I	M. T. Reinhardt, Jr.	2104 - 48th Street, Lubbock
MATAGORDA	IV	B. J. Lindeman	P. O. Box 495, Brackettville	THROCKMORTON	II	H. B. Iverson	Box 537, Albany
		C. H. Johnson	Sheriff's Office, Brady			Luther Rozell	P. O. Box 1070, Seymour
MAVERICK	V	Jack W. Gregory	6 N. Gen. Bruce Dr., Temple	TITUS	III	B. T. Wood	P. O. Box 265, Mt. Pleasant
		Floyd I. Gaby	Box 3127, Temple	TOM GREEN	I	W. G. Carpenter	P. O. Drawer 1590, San Angelo
McCULLOCH	II			TRAVIS	II	Gene Ashby	Rt. 7, Box 886, Austin
McLENNAN	II	A. Timmerman	2106 Avenue U, Hondo			B. F. Caddy	604 Josephine, Austin
		L. E. Baker	Box 327, Menard	TRINITY	III	G. S. Simpson	6207 Shoalwood, Austin
McMULLEN	V	W. T. Rinehart	2209 N. Big Spring, Suite D, Midland	TYLER	III	A. A. Rhea	3210 Dancy, Austin
MEDINA	I			UPSHUR	III	H. G. Robinson	Box 511, Groveton
MENARD	I	D. E. Davis	1505 Jackson, Cameron	UPTON	I	C. G. Samford	P. O. Box 927, Woodville
MIDLAND	I	R. D. Tucker	4405 Connally, Big Spring	UVALDE	V	J. C. Reeves	Box 366, Gilmer
		I. A. Pigg	511 W. Tarrant, Bowie	VAL VERDE	I	N. B. Taylor	2209 N. Big Spring, Suite D, Midland
MONTAGUE	II	C. V. Kincannon	P. O. Box 188, Conroe			Cliff Wilson	Gen. Del., Uvalde
MONTGOMERY	IV	S. V. Whitehorn	P. O. Box 934, Stinnett	VAN ZANDT	III	T. C. Browning	P. O. Box 566, Del Rio
MOORE	III	N. B. Henk	Box 101, Daingerfield				Sanderson
MORRIS	III	J. D. Noles	Box 216, Matador	VICTORIA	IV	W. D. Henry	105 Mary Beth Lane, Athens
MOTLEY	III	D. F. Schwartz	2903 North St., Nacogdoches			Ben Urban	620 Airline Rd., Victoria
NACOGDOCHES	III	B. E. Bergstrom	Box 324, Fairfield	WALKER	IV	L. C. Hallum	1416 - 17th Street, Huntsville
		H. P. Russell	P. O. Box 104, Newton			T. A. Hughes	Box 171, Hempstead
NAVARRO	III	R. L. Flanagan	Box 141, Robert Lee	WALLER	IV	B. F. Barnes	1705 E. 12th, Odessa
NEWTON	I	R. D. Tucker	4405 Connally, Big Spring	WARD	IV	M. C. Wills	Box 945, Brenham
NOLAN	I	E. C. Bauman	790 Grand, Abilene	WASHINGTON	V	C. E. Whitenton	419 Matamoros Street, Laredo
		C. L. Burdett	1220 S. Staples, Corpus Christi	WEBB			
		C. D. Webb	1220 S. Staples, Corpus Christi	WHARTON	IV	Joe Riggs	Box 102, Pierce
		Earl Sloan	P. O. Box 247, Aransas Pass	WHEELER	I	G. W. Farr	509 South Houston, Shamrock
		S. C. Valentine	4109 King Richard, Corpus Christi	WICHITA	II	C. T. Pittman	Parker Square State Bank Bldg., Rm 220, Wichita Falls
OCHILTREE	I	Jack Woodford	Box 26, Miami			J. R. Dowell	Parker Square State Bank Bldg., Rm 220, Wichita Falls
OLDHAM	I	Calhoun Lovelace	Box 226, Vega	WILBARGER	II	C. L. Boynton	3915 Texas, Vernon
ORANGE	IV	J. D. Murphree	Route 3, Box 219-B, Orange	WILLACY	V	W. H. Gooch	P. O. Box 653, Raymondville
		W. T. Harris	Box 430, Mineral Wells			W. R. Stewart	P. O. Box 491, Rio Hondo
PALO PINTO	III	I. R. Duke	P. O. Box 86, Carthage	WILLIAMSON	II	A. J. Shaw	P. O. Box 12, Georgetown
PANOLA	III	G. A. Crooks	403 Glen Drive, Weatherford	WILSON	V	R. J. Holstein	Box 486, Floresville
PARKER	II			WINKLER	I	B. F. Barnes	1705 E. 12th, Odessa
		Calhoun Lovelace	Box 226, Vega	WISE	II	J. A. Pigg	511 W. Tarrant, Bowie
PARMER	I	J. J. Gulihur	407 N. Pecos, Fort Stockton	WOOD	III	C. L. Seago	P. O. Box 687, Quitman
PECOS	I			YOAKUM	I	M. T. Reinhardt, Jr.	2104 - 48th Street, Lubbock
		R. W. Owen	610 W. Feagin, Livingston			D. B. Hancock	P. O. Box 981, Graham
POLK	III			YOUNG	II	R. H. Davee	Box 192, Zapata
		A. W. Fromm	3802 Bowie, Amarillo	ZAPATA	V	J. E. Pond	Route 1, Carrizo Springs
POTTER	I	L. L. Black	3621 Teckla Blvd., Amarillo	ZAVALA	V		
		H. R. Adams	P. O. Box 514, Fort Davis				
PRESIDIO	III	C. L. Seago	P. O. Box 687, Quitman				
RAINS	I	W. S. McDonough	P. O. Box 398, Canyon				
RANDALL	I						



Cane poles criss-crossed and flashed up and down as kids lined the bank of Barton Creek for the recent Smallfry Fish Derby in Austin.



Commodore Hub Bechtol assisted by Bass Club President Jim Brown presents Mike Muse, 10-12 boys division, a badminton set for largest fish.

Fish Scramble

by ANN STREETMAN

Photos by EDDIE M. ROBINSON

SMALLFRY ENJOYED their own part of the fishing phase of Austin's recent Aqua Festival. Two hundred eager anglers, ranging from seven to 12 years old, caught more than 300 fish. The two-hour Smallfry Fish Derby, sponsored by the Austin Bass Club and Austin Recreation Department, was held August 11 on Barton Creek in Zilker Park.

Catches in the contest ranged from 9 $\frac{3}{8}$ inches to 1 $\frac{3}{8}$ inches, and the fullest stringer held 26 fish. The most unusual catches, all within the rules, were two turtles, three crawfish and three minnows.

Ladies competed with ladies and gentlemen with gentlemen. And the youngest fellows and girls, the seven-year-olds, did not have to match wits with the more experienced anglers, the 12-year-olds. The girls and boys competed separately in 7-9 and 10-12 age divisions.

For safety's sake, the youngsters' efforts were closely watched by Bass Club members, and the fire department's rescue unit as well as a commercial ambulance stood by to take care of any crises more serious than a gentle poke in the ribs by a straying cane pole.



Barbara Schmitz, 10-12 girls division, receives a rod and reel for catching most fish in her classification. She also received a tackle box and stringer for making first catch in her group.

Snacks, trophies and prizes donated by local merchants rounded out the morning's adventure.

Prize winners are:

Largest fish (10-12, boys), Mike Muse, 9 $\frac{3}{8}$ inches; (10-12, girls), Barbara A. Hielsche, 7 $\frac{1}{2}$ inches; (7-9, boys), Lon Mitchell, 8 $\frac{7}{8}$ inches; (7-9, girls), Beverly Ann Miller, 6 inches.

Smallest fish (10-12, boys), Frank Pedracine, 1 $\frac{1}{8}$ inches; (10-12, girls), Joane Schmitz, 2 $\frac{3}{8}$ inches; (7-9, boys), Paul Strachanowski and Nelson Ogle,

1 $\frac{1}{8}$ inches; (7-9, girls), Carol Kelton, 2 $\frac{5}{8}$ inches.

Most fish (10-12, boys), Nelson Roberts, II, 26 fish; (10-12, girls), Barbara Schmitz, 16; (7-9, boys), David Ferguson, 21; (7-9, girls), Marie Lawler, 6.

First fish (10-12, boys), Riley Thompson and Dan Fowler, 8:31, which was one minute after contest began; (10-12, girls), Barbara Schmitz, 8:34; (7-9, boys), Leonard Perez, 8:31; (7-9, girls), Carol Kelton, 8:45. **

“WELDER FOUNDATION,” came the soft reply of a woman’s voice.

“Good morning. Is Mr. Glazener there?”

“He’s in a lecture right now. May I help you?”

“This is Carl Dingler of Texas Game and Fish Magazine; I was told to telephone when I arrived in Sinton and Mr. Glazener would have someone at the gate to let me in.”

“Oh yes, when do you plan to arrive at the entrance? I will have someone there to meet you.”

“I’ll be there at 11:15.”

“Fine.”

“Goodbye.”

Thus was my first introduction to

Smiles are adjusted as Dr. Wilfred Webb sets up a group snapshot.



by CARL DINGLER

while another group was shown how wildlife personnel trap turkey. The boys also spent a great deal of time catching butterflies and hunting snakes.

Of course, there were the usual cooking and housecleaning chores but this was secondary as the scouts and Dr. Webb were more interested in taking advantage of the many educational and recreational oppor-

Scout Reward: Welder Welcome

the Rob and Bessie Welder Wildlife Foundation.

While driving the 7.4 miles to the wildlife refuge from Sinton on highway 77, I was wondering just how big a time the boy scout group would be having on the 8,000-acre refuge. I wasn’t thinking big enough, I was soon to learn.

Bobby Yokum unlocked the gate and escorted me down the neat, winding black-top road to the rotunda, an enclosed picnic area, where the scouts were camping for the week. As I was driving deeper into the refuge I was engrossed in the natural wonder of it. I was thrilled with the fawns bounding through the natural wilderness on either side of the drive.

The explorer scouts present, who were winners of an essay contest, were having the time of their lives.

Dr. Wilfred Webb, an experienced scouter and a professor of government at the University of Texas, had the situation well in hand.

He and his wife had given up their vacation to escort the scouts on the one-week outing. Although Dr. Webb said this, first undertaking by the Welder Foundation and the Boy Scouts of America, was a bit disorganized, there was every indication that the week’s activities were well organized.

Dr. Webb in his quiet, efficient

manner said that no formal schedule had been established. There were a few lectures and demonstrations in



Caleb Glazener sets up a turkey trap for a fascinated scout audience on the Welder grounds.

the morning, with the afternoon left open for the scouts to pursue their interests.

They were learning how to trap animals, how to care for them and how to conduct themselves in the outdoors.

Dr. Clarence Cottam, refuge director, and Caleb Glazener, assistant director, took every opportunity to show the youths every facility, and the scouts responded eagerly. They were willing to learn about wildlife on the refuge. Two of the scouts even tried their hand at stuffing birds

tunities offered in the limited time.

Dr. Webb as well as Dr. Cottam and Glazener are enthusiastic about the initial project and hope to make this an annual contest for the older scouts.

The contest, for explorer scouts, is designed to help stimulate interest in wildlife and conservation. Some of the scouts in this year’s visit plan to continue studies of conservation, in one form or another.

The scout contest winners included twins Victor and Chester Martin of Taylor; Warren Webb of Austin,

George Loe of Corpus Christi; Joel Schrimsher of Ganado; Bill Stone of Corpus Christi; Dan Callaway of Clyde and Robert Lindsay of Brady.

Two other winners, Ronnie Uhlenhaker of Corpus Christi and Henry Graves of Leakey, were unable to attend because of conflicting dates.

Loe, 16, of the Gulf Coast Council, wrote on the inter-relationship between soils, plants and animals.

Stone, 16, also of the Gulf Coast Council, wrote on problems of water conservation in the United States.

Webb, 17, of the Capitol Area Council, discussed the relationship of forest management to wildlife.

Lindsay, 17, of the Concho Valley Council, wrote on the mysteries of bird migration.

Callaway, 18, of the Chisholm Trail Council, gave a general discussion on the bobcat of North America.

Schrimsher, 16, of the Gulf Coast Council, wrote on the problems of water pollution and what can be done about it.

The Martin twins did not enter the contest but were invited to attend as associate advisors. They are wildlife management majors at Texas A. and M. College.

Deputy Regional Scout Executive

The trustees of the Welder Wildlife Foundation agreed to underwrite the cost of the activities for the week.

No part of the refuge has ever been in cultivation. The number and variety of birds and animals are unbelievable. White-tailed deer, wild turkeys, javelinas, armadillos, opossums, raccoons, coyotes, bobcats, bobwhite quail, mourning doves, jack and cotton-tail rabbits and many kinds of waterfowl are plentiful on the refuge at certain seasons of the year.

More than 400 species of birds have been recorded, and a skilled bird student can usually identify more than 100 species in a day's time during the winter and periods of migration.

Five buildings of Spanish architecture have been built on the Rob and Bessie Welder Refuge, including the beautiful administration building, which houses the zoology and botany laboratories, library, lecture hall, museum, specimen room and photographic darkroom. The scouts were allowed full use of all these facilities.

Dr. Cottam, before taking command of the responsibilities of the refuge, was for 25 years associated with U. S. Fish and Wildlife Service

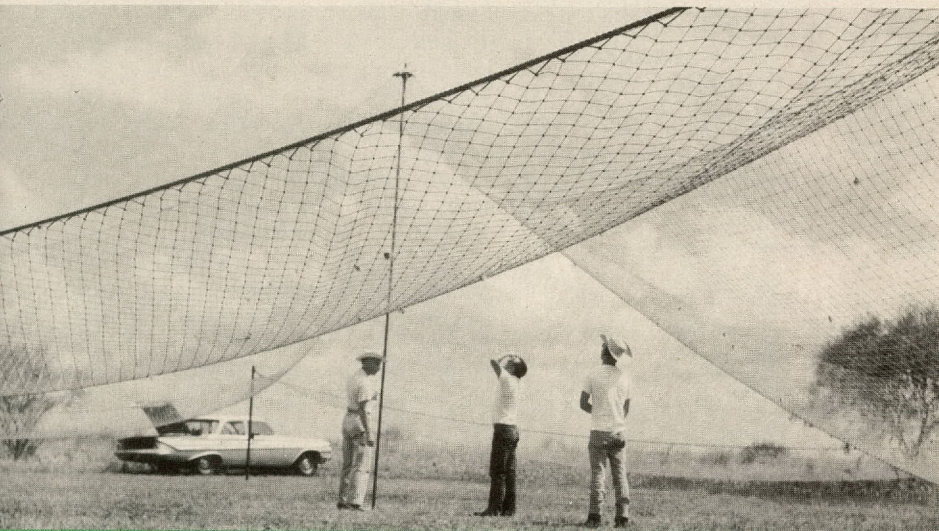
stant flow of traffic, tour groups are admitted each Thursday afternoon, except holidays, between 2:55 and 3 p.m.

Tours require up to 2½ hours, depending on weather conditions and other factors. The schedule normally includes inspection of the foundation museum and other facilities, a discussion of the foundation's objectives and program and a tour of a portion of the refuge area. Visitors provide their own transportation on these tours, which normally cover a total of eight to 10 miles. There are no fees or charges for admission.

The foundation does not operate any restaurant facilities for visitors, but there are water fountains and rest rooms available. There also are no provisions for picnicking or camping on the refuge area.

The Rob and Bessie Welder Wildlife Foundation is a non-profit institution, founded through a devise in the will of the late Rob H. Welder, and dedicated to wildlife research and education. The refuge and research program are financed entirely through private means and have no official connection with State or Federal agencies.

Organizations wishing to schedule tours at times other than Thursday afternoon need to make advance arrangements, subject to prior commitments of staff members. **

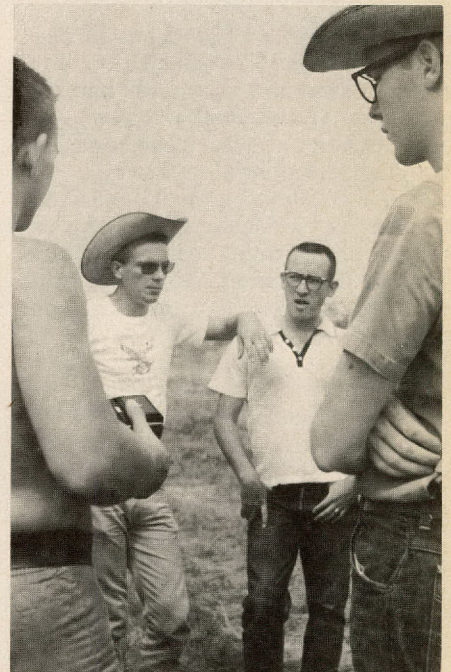


Under sweeping nets, Dr. Webb and two scouts inspect the center pole of the turkey trap.

Paul L. Beisenherz along with A. L. Williamson, deputy regional scout executive of the Gulf Coast Council, and Bob Reddell, district scout executive at Sinton, were responsible for organizing the contest and seeing that the boys received the necessary equipment and supplies.

and its predecessor, the U. S. Biological Survey. Glazener worked for the Game and Fish Commission for 15 years. Both Dr. Cottam and Glazener are scouters in the Gulf Coast Council.

Although the entrance to the refuge is kept locked to stem a con-



Between educational and recreational activities the scouts enjoy swapping stories.

GUNS



... and Shooting

By L. A. WILKE

This Month: Turkey-Varmint Combo

There's been a lot of argument going on for a long time on what might be an ideal turkey gun. There have been many pages of copy written about some rifle-shotgun combo that would be best.

THE SMART HUNTER STILL HUNTS



Portable Hunter's Stand for all deer hunters, 10 or 15 ft. All steel tubing, swivel cushioned seat with banister gun rest. Good view of game. No odor when above. Excellent for hanging game while drawing. You may select game before killing. Gun rest for perfect shots. Cannot be excelled for varmint calling. Makes hunting leases more desirable. Canvas wind breaker as protection from weather — \$10.00. Model shown \$60.00, 12 ft. \$65.00 & 15 ft. \$75.00. Other models available. Also tree ladders in 5 or 10 ft. sections at 50¢ ft. All types of gun racks for cars, jeeps and pickups—\$2.00 to \$12.95. All prices f.o.b. Sales tax 2%.

HUNTER'S EQUIPMENT MFG. CORP.

Floyd Ogden, owner
201 W. 40th San Angelo, Texas
Dealers Wanted

Many of these articles concerned the model 24 Savage, which was an over-under with a .22 rifle barrel on top and a .410 shotgun barrel on the bottom.

Everybody knows a .22 long rifle will kill a turkey at its range. And almost everyone knows that within range limitations a .410 loaded with No. 6 shot will kill a turkey if shot in the head. This was a good rabbit or squirrel gun, except that the iron sights should have been replaced with glass. This was a difficult job on the old model 24.

But now Savage has done something really big with its 24, just by adding the letters MDL, which make this a magnum de luxe.

The top barrel now is bored for the .22 Winchester magnum, which is an ideal turkey gun. And the bottom barrel

is chambered for the magnum 20 gauge, which gives a load almost equivalent to the 12 gauge. Thus a hunter now can take this gun into the field for turkey, with the expectation of using the barrel most likely to get said bird.

The hunter with the 24 will also be loaded for the occasional predator that might come into view. And to make it even better, this new gun is grooved for the dovetail scope mount. This means it will carry any of the conventional scopes with the dovetail mount, which can be attached with nothing more than a coin, like a dime or a penny.

An ideal scope for this job probably will be that 1X Weaver shotgun scope. This is ample for the rifle and certainly will be helpful even with the shotgun, especially if you want to shoot the turkey in the head.

Every man who has handled a gun knows there is no such thing as one gun for all jobs. And no man is ever satisfied with one gun. However, this new Savage 24MDL probably will serve a broader range of purposes in Texas than any other one gun.

It is the ideal equipment for the farmer-rancher who carries a gun in his pickup or on his tractor. With this rifle-shotgun combo he can kill a snake, crow, coyote or any other predator he might want to exterminate.

While this is a wonderful gun with some excellent ballistics, it is not a deer gun and should not be used as such. True, it will kill a deer if the animal is hit in the right spot. For that reason don't rush out and buy one for the young son, thinking it will be just the gun for him to hunt with this season. It will be wonderful as far as the shotgun is concerned, and equally as wonderful for the rifle, if the youngster knows the limitations. But he should be warned that it should not be used on deer.

These guns may be a little hard to come by for the upcoming season because they are just now getting on dealer shelves. From the Savage manufacturers, however, comes the word that they are in all-out production in an attempt to meet the demand. **

GERMAN JAGDTERRIER PUPPIES

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AEROBAC . . . Bacterial compost activator and accelerator.

Reliance Chemicals Corporation
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October: one of the best (if not **THE** best) fishing months.

Regional Roundup ————— From Page 12

Boaters and fishermen on Lake Lavon, near McKinney, are pleased to note the 80 new Reservoir Navigation Aid buoy markers being installed on the 11,080-acre Collin County lake on the Trinity. Markers, which are fluorescent orange, are being installed 200 yards from shore. They caution sportsmen about restricted areas, speed limits, and various lake rules and regulations designed to assist all who use the lake for pleasure. Conservation Officer Charles McCallum believes that the buoys will decrease boating accidents as well as benefit the lake's diversified recreation.

Region IV Houston

October is one of the best, if not *THE* best, fishing months along the Texas coast. Summer tourists, family groups and crowds of kids have gone home. Beaches, jetties and reefs are left to the real, dyed-in-the-wool fishermen. Recent surveys have shown that 12 per cent of the sports fishermen catch 96 per cent of the fish—leaving only four per cent of the sports catch for all the mamas, kids and once-a-year fishermen. But they do have fun, bless their hearts, and that really amounts to more than a mess of smelly fish.

A few pointers—*about* the successful fishermen's methods, may help others. First, good catchers don't fight the weather. October winds are not usually as strong as

those in summer or winter. This allows for more clear water necessary for trout fishing. Next, an old timer knows his tackle—rod and reel usually. Trout can be aggravating about food choice. A good fisherman goes out with live shrimp, dead (not frozen) shrimp and several artificial lures—plastic shrimp, silver spoon and perhaps some white or yellow jigs. Try the live shrimp first, under a popping cork. Then the dead shrimp—if you find they won't hit or all your bait is gone, go to the artificials. Remember, usually the largest fish are taken on *big* baits. Even eight-inch mullet are good bait for big trout.

One very important point to notice about the men who bring in the big strings of big fish: they fish the same waters year in, year out. Not once a year here, there and yonder. Once a month, or more, they're on the water—trying, hunting, studying. Sometimes they're skunked, but not often. Bay studies show that *all* types of fishing in Texas bays take less than 10 per cent of the fish present! Fish that lay thousands of eggs each year can easily replace an annual harvest of 50—even 75 per cent—of the fish in a bay. Ask, study, observe—go get 'em. They're yours, and they're mighty good for catching, eating or even giving to friends. * *

Hundreds of wildlife lovers will throng to Texas for the Audubon Society's national convention, November 10-13 in Corpus Christi. The Texas Game and Fish Commission is proud to dedicate the November issue of *Texas Game and Fish* to the Audubon Society and its work.

Don't miss the 48-page November issue of *Texas Game and Fish*.

NEW KAMPKUTTER

SIX inch drop forged cutter for cleaning birds, fish and all around cutting on hunting, fishing and camping trips. Cuts metal, wire, or limbs up to 1/2 inch. Spring opened with handcrafted leather Holster and 20" 600 Lb. nylon Thong. Plastic covered handle.

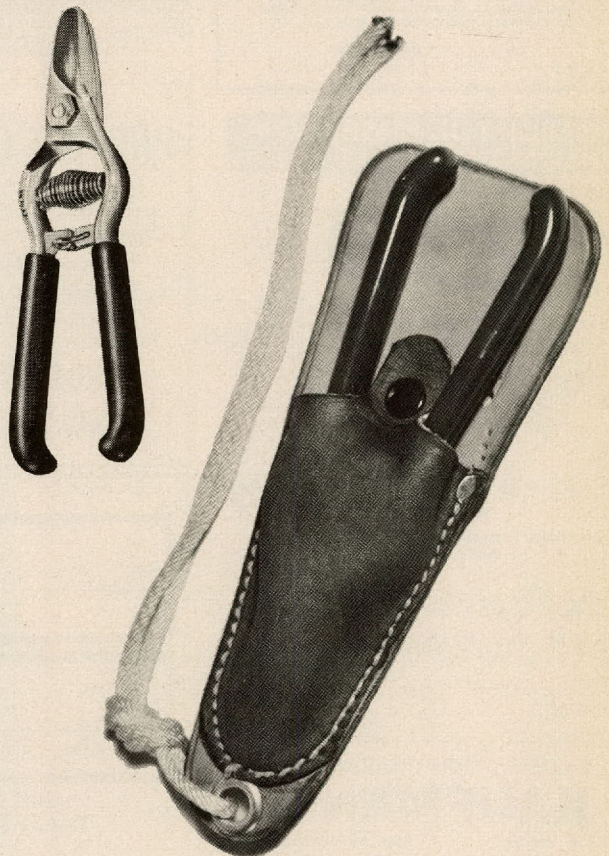
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BOX 177

PLEASANTON, TEXAS



Dove Hunters Dampened

by CARL DINGLER

CHRISTMAS COMES but once a year much to the glee of most parents. License deputies and sport stores are glad that the start of hunting season doesn't come any more often either.

With the start of dove season and the hunting season in general, hunters storm into such places as Pierce's in Denton requesting and at times demanding that their guns be cleaned, repaired or replaced "yesterday."

For each one with a gun to be made ready there are

five others wanting to purchase a hunting license. All want to know "where the birds are this year."

In Denton County the day before opening day, motels begin to fill, cafes feel the increase from a slow summer and farmers and land owners become as popular as the star quarterback on the winning team. Everyone is searching for a place to shoot where he can bag some birds.

This frenzied activity received a dash of cold water this year when a thunderstorm moved into the area the night before the season opened.

Saturday morning it was still raining and activity at Pierce's continued at a hectic pace. Such places as Tom and Jo's and the County Inn were jammed with prospective hunters talking not of the prolonged drought which had ended, but of how soon the rain would stop and where to find the sparse patches of doves.

Only the hardy and impatient were to venture onto the fields this opening day as the rains continued. The majority, who had waited throughout the dry summer months, had to "have another cup of coffee" and wait at least another day to get at the much sought after little game bird—the mourning dove.

Denton County has doves this year but they are scarce. Perhaps, report the sportsmen in the area, the first cold spell will bring in some excellent shooting when the birds are forced to move from Oklahoma. **

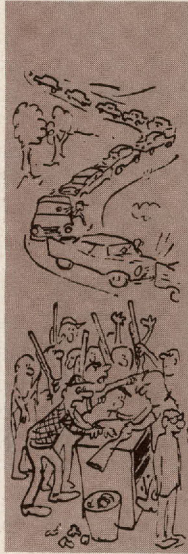
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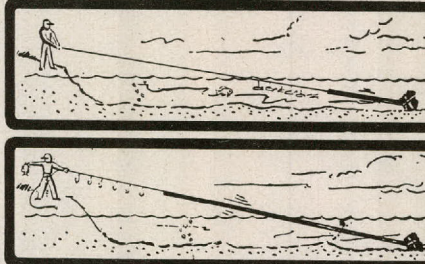
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Lee's Rig

Kit contains approximately 50 ft. 70 lb. test nylon line, 20 ft. rubber, 6 Snelled No. 2-O hooks.

The doe darted in and out of the mesquite, circling and leading the buck. After 40 Years A Trophy Buck From Page 9

one glance through his binoculars, and as has been his habit for years, he mentally spoke to the buck, "You're it, Buster. You're the one I've been looking for!"

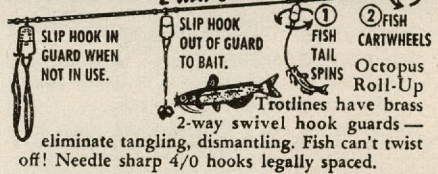
The chase was on. The doe darted in and out of the mesquites, circling and playfully leading the determined buck. The screening brush made a shot impossible from the hunter's high position. Tilley knew that he had to get down in the flat on a level with the buck. He put the binoculars aside, grabbed his rifle, and slid down the bluff as quietly, yet as quickly as he could. His descent ended in a clump of oak. As he knelt in order to see more clearly, he spied the doe running directly toward him.

Almost at the same time the doe spotted the hunter. The animal stopped instantly and snorted loudly. Her alarm rang across the flat. Every deer in the vicinity froze like statues and the buck came to an immediate halt behind thick brush 150 yards away. "You old heifer," Tilley silently spoke to the doe, "if you run that buck off, I'll feel like shooting you!"

For a seemingly endless time not a movement was made on the entire

flat. Then the buck, more intent on his conquest than his safety, apparently made up his mind that this foolishness had gone on long enough. He plunged from the brush to circle the doe and drive her back in a

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straight line directly toward the hunter. Continued on Next Page

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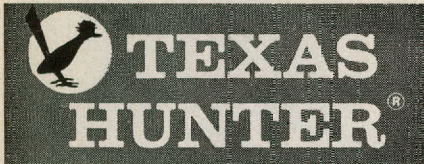
TOTE GOTE — REGISTERED TRADEMARK OF BONHAM CORP.

Tilley had both animals in his scope, yet each time he placed the crosshairs on the buck, the doe zig-

zagged in between the hunter and his quarry. The pair drew closer—125 yards—100 yards—75 yards. The buck was an awesome sight, with his eyes wild and crazed, throwing all caution to the wind in his single-minded pursuit. Fifty yards off the doe suddenly veered to one side, exactly long enough for Tilley to

press the trigger. The bullet smashed into the buck just above the brisket. Mortally wounded, the animal whirled and disappeared into the brush.

Moments later, Tilley found the dead buck 30 yards from the spot where the bullet had connected. As he walked up on the animal, with his eyes glued on the antlers, the hunter felt that he would burst with pride. Then, hardly able to contain his exhilaration, he began to examine the trophy. The rack was in the non-typical class with a wide spread and long broad lines. The deer was



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Silent, 360° turn. Framework is all-metal construction. Wide base spread for extra safety. Side armrests . . . front safety bar may be used as gunrest. Available on 10- or 15-ft. stand. Shipped knocked down.



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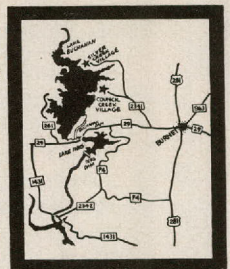
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noticeably small in body for such a heavy set of antlers. It later field dressed at 100 pounds.

After the 60-day waiting period (when the rack of an animal becomes eligible for official Boone and Crockett measurement) the trophy buck scored as follows:

- Score: 167 $\frac{1}{2}$
 - Outside spread: 23 inches
 - Inside spread: 19 $\frac{1}{2}$ inches
 - Number of points: Left 8, right 9
- Only three non-typical whitetails from Texas are listed in the 1958 edition of the record book. According to this latest printing, Tilley's buck is the fourth entry from the

Lone Star State and the first from Texas since 1916.

To Tilley, however, such a prize does not end his trophy whitetail

BUCK SCENT

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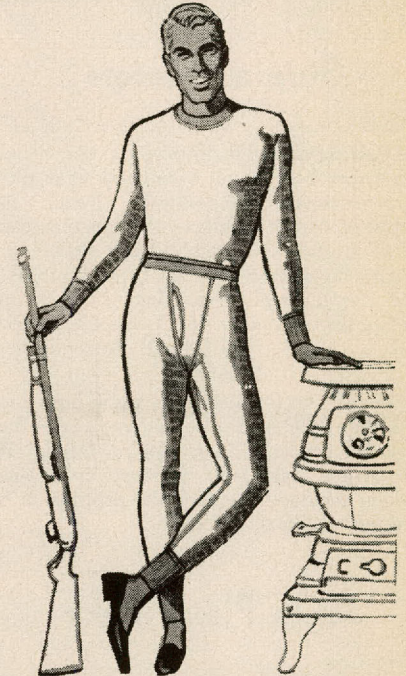
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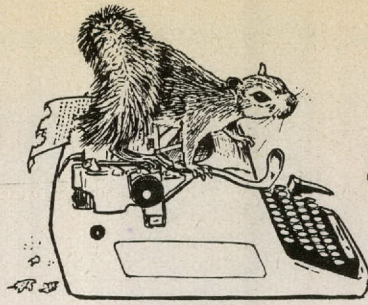
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Letters



to the Editor

Stupid Hunters

Editor:

I just thought I'd drop you a line to let you know how much I enjoyed your pictorial article, "Bang-You're Dead." It surely is hard to believe that people can be so stupid. I certainly hope that your article converted a few. It's these "hunters" that give the rest of us a bad name. Keep up the good work on the *Texas Game and Fish*.

William R. Leyendecker
Laredo

(Thank you for letting us know how you feel about our magazine and especially the pictorial article, "Bang-You're Dead." If the article can help prevent even one serious accident, we feel our printing it is justified.—Editor)

South Plains Lake

Editor:

As a reader of your magazine, *Texas Game and Fish*, I find you record many good catches and pictures to back them up. I would also like to put our little lake on the map in the South Plains area. We (the South Plains Rod and Gun Club, Inc.) have a small lake on the Lazy "S" Ranch. As manager of the club lake, I have seen many good catches go out the gate that were made while some of the boys were trying out some of their flies and new baits. Bass, channel, blues, crappie and large redears (below) are among the pleas-



ures we share in our club lake. The four redear shown were among six caught in

half an hour. The four fish weighed three pounds.

R. V. Stewart
Tahoka

(We are glad to hear about the South Plains Rod and Gun Club and its rewarding lake.—Editor)

King of the Oil Rig

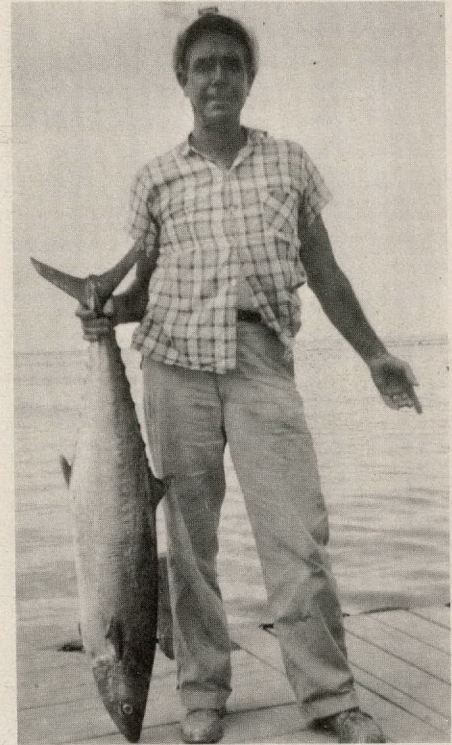
Editor:

This picture is of my husband and a 34-lb. king he caught recently. It was caught offshore at the oil rig out of Galveston. We were out there in our 18-ft. outboard, anchored when the king slammed into that mullet.

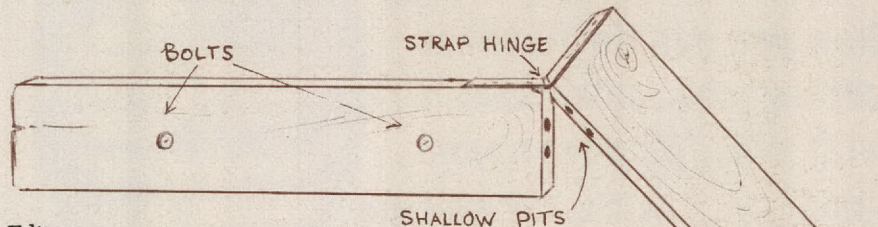
It really put up a battle. We discovered we had left the gaff at home. My husband had to wear the fish down completely and bring it aboard with his hands. We caught several more, but this is the biggest one we have seen.

Mrs. B. B. Fox
Houston

(This was quite a catch, especially without gaff.—Editor)



Unbeatable Pecan Buster



Editor:

This sketch shows a very efficient pecan cracker. It might be of value to some of our friends who have nice pecan crops each fall and who are as disgusted as I was at the inefficiency and frailty of the ordinary metal cracker sold on the market.

The strap hinge will finally have to be replaced. I've used my pecan cracker for three years and finally broke the strap on the last quart of nuts last December. For 15 cents it was replaced.

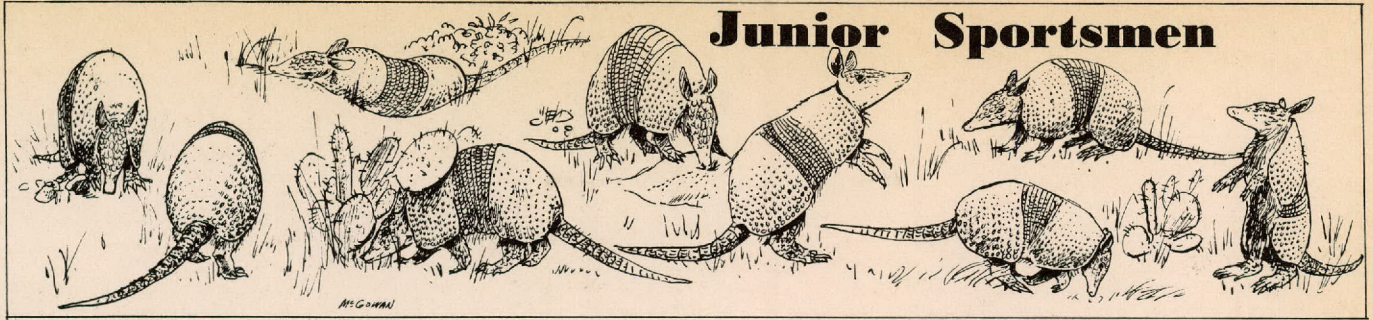
Follow these directions.

Put together two pieces of lumber (2x4 or 2x6) with ordinary strap hinge. Make shallow pits with reamer on main piece and handle to place ends of pecans in. Whittle handle to fit your hand. Bolt the body of the apparatus to a post or door frame in the garage or barn (so you won't get pecan shells on wife's kitchen floor).

Then you can insert pecans endways and press down with handle. This cracker is cheap to make and gives a lot of leverage. The nuts can be allowed to drop into a container below. I sit on a camp stool and keep a paper carton between my feet. It's fast too.

Dr. Riley C. Armstrong
Houston

(Thanks for sending us instructions for making your nutcracker. Christmas cakes should be a lot easier for our readers to make this year.—Editor)



Junior Sportsmen

Archie, The Armored Pig

by ANN STREETMAN

ARCHIE ARMADILLO took a big breath, waded into the small woods stream, casually walked across the bottom and emerged on the other bank. Once on the opposite side, he put his long snout to the ground and began rooting through the soil to find a delectable insect. He grunted softly, for the work was extra hard this cool October morning. He had to push aside, piece by piece, a blanket of autumn leaves.

Archie enjoyed the crispness of the morning. It was a pleasant change from the blistering 100-degree days when he had to stay in his den until evening. He came upon an ant hill upon which hundreds of dark creatures swiftly filed past one another in orderly lines. This delighted Archie. With one flash of his long sticky tongue, he flicked into his mouth 70 ants—a pleasant meal for an armadillo.

While still enjoying that tasty triumph, he suddenly realized that his path was blocked by a large object. Because of Archie's rather poor eyesight and hearing (characteristic of all his kinsmen), a human had walked right upon the little armadillo without his knowing it. Confronted by this foot, however, Archie's instinct told him he'd better take to his heels. Perhaps in that split second he was wishing that he, like his cousins in South America, could simply tuck himself into a ball, leaving only an armored globe for the human to examine. But Archie, a nine-banded armadillo of Texas, could only depend on his short, stubby legs to carry him to safety.

Just as Archie shot out toward the thicket to his left, a hand closed over his tail and left him clawing the ground but gaining no distance. The boy, a blond fellow about 12 years old, lifted his catch. Archie began squirming, making his rough, scaled tail turn around and around in the boy's hand. After what seemed to Archie an hour but was only a few seconds, the boy let the armadillo fall to the ground and examined with a surprised "yee-ooow," his skinned hand. Off toward the brambles and undergrowth sped Archie. His gait appeared clumsy to the boy, but the weeds and bushes seemed to be flying by him the way telephone poles race by a speeding automobile's windows.

Soon he was in the protection of the thicket. He looked around quickly for one of his 10 emergency dens, but he did not see one. So, right where he was, he furiously began scratching dirt. In two minutes he was safely embedded in his new

shelter. He knew that even if the boy found his burrow, he never would be able to pull him out.

After several hours of crouching in the den, Archie felt the pangs of an empty stomach and decided it was safe to go out for more food. Out he came, head first. He went about his food hunting, enjoying a beetle here, a centipede there, and a few wireworms. Before the sun had reached its noontime position, Archie had even enjoyed a small salamander—a rare dish indeed.

Just after noon, Archie came to the stream again. At this place, however, the water was quite wide and he knew he'd have to swim to the other side instead of walking across the bottom as he had done that morning. At first he had a hard time keeping afloat. His stubby legs churned in an awkward dog-paddle fashion. Gradually, he relaxed and soon he had swallowed enough air to inflate his intestinal tract. Now with the added air, he could swim easily and well. Archie was thankful for this inflation trick that made swimming easy for him and his fellow armadillos.

Archie scrambled out of the water and grunted along in the rustling leaves. Occasionally he stopped, reared on his hind legs propped by his tail and sniffed the air for danger. His keen sense of smell usually helped him avoid enemies including man, dogs, coyotes, peccaries and other flesh-

eating animals. Presently he came upon Alice Armadillo with her four youngsters. Alice's youngsters were all girls, for armadillo babies always are born in fours and are either all females or all males. The mother and daughters too were foraging for food. The month-and-a-half-old youngsters still lived with their mother and accompanied her on food expeditions to supplement their daily milk portions with solid food—worms and insects. Although the little ones' shells were leathery soft instead of hard like their mother's, the daughters . . . Abigail, Amy, Alma and Amelia . . . in a few weeks would be weaned and scattered about the woods, making their own living.

Archie paid little attention to Alice and her brood as he rooted past them. He was enjoying the cool autumn afternoon and the fine day-long meal he was having. He, like all the other armadillos in the woods, was not busy storing away food for the long winter. And he was not depending on curling up for a long hibernation nap, for the armored-tanks-on-legs do not hibernate. Archie and his fellows were depending, if they gave it a thought at all, on waiting out the extra cold days in their grass and leaf-lined chambers in their burrows and going out when necessary to get food. Last year Archie had passed the winter months without too much difficulty, but some of the armadillos in his woods had frozen or starved. Perhaps Archie will again find enough food and warmth to carry him safely into the warm, insect-plentiful days of spring.

Now, however, in the October coolness, Archie had very few cares and enjoyed the darkening autumn afternoon.



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FRIED YOUNG SQUIRREL

After squirrel is dressed, soak in salt water in refrigerator for at least one night. Place $\frac{1}{2}$ cup olive oil and a chopped garlic clove in medium fry pan. Roll squirrel in flour, salt and pepper and fry in olive oil and garlic mixture. Turn only once. Brown.

BROILED SQUIRREL

1 squirrel
1 teaspoon salt
 $\frac{1}{8}$ teaspoon pepper
 $\frac{1}{2}$ tablespoon fat

Clean squirrel. Rub with salt and pepper. Brush with fat and place on a broiling rack. Broil 40 minutes, basting every 10 minutes with drippings. Serves 2 to 3.

BRUNSWICK STEW

3 squirrels cut into serving pieces
3 quarts water
2 teaspoons salt
2 No. 303 cans tomatoes (drained)
2 cups corn (frozen whole kernel if desired)
 $\frac{1}{4}$ cup diced bacon
 $\frac{1}{4}$ teaspoon black pepper
2 cups diced potatoes
 $\frac{1}{4}$ teaspoon cayenne
1 cup chopped onion
2 cups lima beans

Place squirrels in large kettle; add water. Slowly bring to a boil. Reduce heat and simmer for $1\frac{1}{2}$ to 2 hours, or until squirrel is tender. Skim surface now and then. Remove meat from bones and return it to liquid. Add bacon, cayenne, salt, pepper, onion, potatoes, tomatoes and lima beans. Cook 1 hour. Add corn and cook 10 minutes. Serve with pan or fried corn bread.

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