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DECEMBER 15, 1943

NUMBER 12

"Quick, Paw, Fetch The Flintlock---Thar's a Squirrel!"

By L. T. WEISBROD

Meat rationing, the largest inventory of wild game in two generations, and a critical shortage of sporting ammunition are responsible for the resurrection of Pennsylvania squirrel rifles from many Iowa attics. Down from the mantle has come the long - barrelled muzzle - loading rifle that more than 125 years ago drilled neat, round holes in the foreheads of our enemies at New Orleans, and at distances undreamed of except in the forests of the New World. These are the firearms that made American woodsmen masters of the wilderness and the scourge of the professional European soldiers. Once again the old front-enders are serving the purpose for which they were designed. They are putting wild game on American tables to ease the pressure of the domestic meat supply. The muzzle-loading guns of our ancestors were loaded from the front end. First a proper charge of powder was poured down the muzzle; next a cloth patch was placed over the hole in the barrel, and the proper size ball or shot charge was rammed down with the rod. These guns were fired in the earliest days by a flint in the hammer striking fire from the steel frizzen into the powder in the pan. The primer powder in the pan is of a fine texture and ignites quickly, burning progressively through the touch-hole in-

Beaver, Engineers of Animal World, First to Lure North America Explorers



Highly Valued for His Fur, Once Served As Food For Indians

Beaver! The impulse that for more than 250 years drove wave after wave of adventurers into the unmapped North American wilderness. Beaver! The handmaiden of thirst, hunger, lust, and death. Beaver! Magic word that has lost much of its meaning to present-day Americans. Probably no single influence hastened the exploration of North America more than the beaver, Castor canadensis. It was the beaver trapper who first crossed the broad American rivers, who first trod the vast prairies, who first scaled the mighty Rockies. No weather was too cold, no distance too great for these fearless wanderers of the wilderness. Prior to the development of the fur trade in America, beaver were practically universal in all suitable waters on the continent. They lived far north into Canada and Alaska, south into Mexico, and from coast to coast. They lived comparatively unmolested by the aborigines, not holding the same status in the domestic economy of the Indians as the deer, bison, and bear. They did, however, sometimes serve for food and clothing when the "big three" were scarce. When the European demand for fine furs first reached America, there was an abundance of easily trapped beaver wearing rich brown coats. There were also those who for gold would brave (Continued to Page 91, Column 2)

Live-trapped beaver are planted at the request of the landowner, and to encourage the animals to stay at the stocking site artificial dens are constructed and the animals are released directly into them.



to the barrel, where it ignites the coarse powder charge, the explosion of which propells the ball or shot.

Although this ignition system worked well enough for the oldtimers, it is much slower than nodern ammunition discharge. (Continued to Page 90, Column 1)

mas present for your sportsman pal. This fine 130-page duck book will be sent to any address in the United States postpaid for one dollar. Send your order to the State Conservation Commission, 10th & Mulberry, Des Moines 8, Iowa.

It is a mistaken belief that each dam represents a colony. One family may build half a dozen or more dams, and in the larger the unknown and tear the pelts streams generally no dams at all are built.

PAGE NINETY

IOWA CONSERVATIONIST

Iowa Conservationist

Published Monthly by THE IOWA STATE CONSERVATION COMMISSION 10th & Mulberry-Des Moines, Iowa JAMES R. HARLAN, Editor F. T. SCHWOB, Director (No Rights Reserved)

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Conservation Commission



well as numerous bargains in guns and supplies.

The comparative costs of firing a muzzle-loader 100 times and 100 shots by cartridges of a modern repeating rifle are interesting. 30-20 cartridges, when available in hundred lots, cost 3.2 cents per shot; for 32 caliber muzzle-loaders, a comparable ball size, shot, powder and cap' cost 82 cents per hundred, or less than one cent for each shot fired.

To get the most out of the muzzle-loader rifle it must be correctly loaded. It is essential that the balls be properly patched. A ball unevenly patched or set offside in the patch when fired will go to the side, whichever side the patch is off center. The ball and patch must never be rammed, tamped, or pounded against the powder. If this is done, the

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The Old Flintlock

In the flintlock rifles there is considerable "z-zz-z-z" before the "bang", and some smoke and fire before the ball is out of the muzzle. The smoke from the flintlock being fired in this picture is from the pan. A fraction of a second later a large cloud of smoke will appear at the end of the barrel.

nounced by the long drawn out "z-z-z-z" of the flintlock.

Modern guns are breech-loaders, in which a cartridge contains all the necessary ingredients of shot, powder, and ignition. There are no, or at least shooters to call the flintlocks but Betsy is still a formidable "flinchlocks". These guns are weapon in the hands of one who rifle is just as accurate, for one After the Revolutionary War who knows how firmly to set the the flintlock was superseded by ball against how much powder, the percussion lock. This gun as in the days of Davy Crockett; was loaded in the same manner and many will be surprised to as the "flinchlock", but was fired know that increasing numbers of by the hammer striking and fir- Iowans are taking "smoke poles" ing a cap placed on the nipple, to the marshes and woods in seriforcing the cap fire through the ous pursuit of ration-free meat Black powder FFFG grade in The percussion lock was a great bulk and in pound cans suitable improvement over its predeces- for the front-enders may be obsor. The ignition was much tained at quite a number of hard-

works that caused flinching was sizes of buckshot balls are also enthusiasts and one flintlock eliminated. The Indians soon available. Some stores until re- shooter, 11 squirrels were taken learned that it was no longer cently carried percussion caps but in a forenoon. One was "barked" safe to poke their shaved heads have none at this time. Supply- in true pioneer fashion by shootaround trees to give the riflemen ing caps for the percussion locks ing through the bark of the limb "the bird" and then duck back is the big problem. Most of the on which the animal was lying at the explosion in the pan. Many regular muzzle-loader gun en- and killing it by the resulting of the savages did not learn thusiasts have a supply on hand, concussion, without making a quickly enough, and to their but those who do not have have mark on the skin. The rest were short-lived surprise many sets been able to obtain some from dispatched with neat head shots of Indian teeth were parted with the National Muzzle-loading Rifle that would be to the credit of an a 40 or 50 caliber ball unan- Association at Portsmouth, Ohio. expert with any modern rifle. Their monthly organ, the "Muzzle Blasts", contains much valuable information to shooters, as

powder grains are crushed, causing an uneven discharge of the loads, thereby changing the accuracy of the gun.

All over Iowa individuals and small groups are past the experimental stage and are getting gratifying results with original and rebuilt muzzle-loaders. These men are true sportsmen and adventurers. May their tribe increase.

On a recent squirrel hunt near Waukee, with two percussion cap The old muzzle-loaders, when used as hunting pieces, challenge (Continued to Page 91, Column 1)

(Continued from Page 89)

There is considerable "z-z-z-z" before the "bang", as well as lots very few, cartridges available beof smoke and some fire before cause of war shortages, and therethe ball is out of the muzzle and by hangs this tale. on its way to the target. This No doubt the thought of cleanracket before the gun is actually ing up Grandpa's old muzzlefired causes most beginners to loading shotgun or squirrel rifle flinch and has caused modern has been overlooked by many, plenty accurate, however, if the knows her whims and how much shooter holds on the mark and black powder and shot to feed does not let the ignition fireworks her safely. The old Kentucky upset his aim.

nipple and tube to explode the and fun. propellent charge in the barrel.



The center rifle is a rebuilt flintlock, the other two percussion locks. Above are powder faster; and much of the fire- ware stores. Shot and various horns and bullet pouch, plus the morning's bag of squirrels.

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PAGE NINETY-ONE



bearers. Many pioneers placed of these are relatively unimpormills at locations selected ages tant. earlier as dam sites by beaver "Plinkers" are the curse of engineers.

persecution and civilization, and with them on their strolls along sometime after the seventies they | the streams and who shoot at any were gone. Locking the door unusual live target. after the horse was stolen, the These irresponsible people too legislature in 1872 placed beaver on the "continuous closed season" list.

definitely and positively gone, One of the author's greatest the streams still flowed, the cot- thrills occurred at the Linn Grove tonwoods and willows still grew Dam on the Little Sioux, when a in profusion along their margins, mother beaver and her two kits and beaver, even if there were entertained a Sunday fishing not any in the state, were strictly crowd of more than a hundred protected by laws with very men, women, and children all sharp teeth; and for many years afternoon by disporting and conditions were ideal for the re- playing in the rushing whiteturn of the absent fur-bearer. capped water below the dam. beaver along the Missouri in found this trio downstream away Woodbury County became per- from the crowd. sistent, and in 1930 the fact of The author once found a bloattheir residence was established. ed mother beaver with milk, It is believed that this nucleus floating and stinking in a drift were migrants from the north- with big blue flies edging a nasty west, possibly from far up in festering belly wound, the result the Missouri River headwaters, of a "plinker's" .22. The unknown but irrespective of their origin, vandal's punishment should be to they sired one of the most re- hear but once the mewing of the markable recoveries of a mam- two orphaned young as they demal population in history. spairingly cried in starvation in Soon family groups and indi- their nearby den. viduals from the Missouri began In spite of some minor populamoving up the valleys of the Big tion losses, by 1937 in some loand Little Sioux, the Rock, the calities these valuable fur-bear-Floyd and their tributaries. Like ers had reached the threshold of our human settlers a hundred security, the condition existing years earlier in the southeast, as when any species reaches the soon as the beaver found a site maximum number its environto his taste he began building a ment can contain. During this home and raising a family. The year, wandering beaver could be new family in turn in a season found in the most unexpected loor two were busy home-making cations in northwest Iowa, indifarther on up the valley. cating heavy population pressure

beaver in Iowa. "Plinkers" are Beaver could not stand both men and boys who carry rifles

often wantonly kill beaver, and although the animals are nocturnal, it is not uncommon to see Although the broad-tails were them during the daylight hours. In the late twenties rumors of What a pity had a "plinker"

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All over lowa individuals and small groups are past the experimental stage and are getting gratifying results with original and rebuilt muzzle-loaders.

The Old Flintlock Beaver (Continued from Page 90)

(Continued from Page 89)

one's sportsmanship, a bility, from the animals. There were Beaver, while not as prolific at home. woodsmanship, and for the un- men available who would steal as muskrat and rabbits, for in- As a result, colonies began to initiated sometimes, his patience. and murder to supply the insati- stance, are less subject to pre- appear where they were unwel-It also teaches him much about able demand for fur. | dation than most mammals, and marksmanship, for he must hold The rape of the beaver in consequently increase rather rapon the target and then hold some America preceded the hard, raw idly unless molested. more. The ignition is not as fast march of empire. Like spreading In Iowa illegal beaver trapping as with the modern cartridge, but drops of ink from south, north, is not a serious limiting factor, she does go off, and with enthu- and east the trappers and traders because of the extreme difficulty siasm. Too, squirrels outside of blanketed the west. Parties as- the beaver bootlegger encounters cities have not lost their age-old cended practically every tribu- when attempting to dispose of the sagacity, and he .who wishes to tary of the Mississippi and Mis- illegal furs. Both state and federdine on Sciurus must place his souri rivers, and many years be- al statutes governing beaver pelts first shot well, for he will not fore the settlement of Iowa our are very strict, and the nature get a second with his long gun. streams were scoured by Indian of the skins makes diversion of So off to the timber with hunters and white trappers for illegal pelts into legitimate chan-Grandpa's old faithful. But a fur, principally beaver. As cer- nels almost an impossibility. few words to all who would be tainly as the Father of Waters Some beaver are trapped and himself, rivers of pelts flowed drowned each year when acci-Daniel Boones. Don't use smokeless powder in down from the tributaries and dentally caught in water sets for a muzzle-loader. The old gans then on to St. Louis and the Old raccoon; however, usually they

will not stand modern game load | World. powder pressures. Although the cream of the trap wise.

and a snugly fitting ball and kled with names alluding to incautious enough to attack an start and start and start at the start attack and start attack and start attack and start attack a patch, increasing the powder beaver. There are numerous Bea- adult beaver either on land or A typical beaver cutting, this cottonwood charge in rifles until a crisp crack ver Creeks, and six counties have water, for when forced by neces- was intended to provide winter food for the Beaver Townships. There are sity he can use his six-inch long engineers. They guessed wrong, however, announces discharge. and when the tree fell it lodged in the top With the scatter-gun start with Beaver Forks, Beaver Kiln, Bea- teeth with deadly effect. light loads and a clean barrel, or ver Meadow, and many others, There are many other accidents of an adjoining cottonwood, and the succube prepared to join the ranks of all of which testify to the pres- that can and do occasionally hap- lent branches failed to come crashing to the ence of this king of the fur- pen, but except for "plinkers" all ground. your ancestors.

quickly pull out unharmed and

Remove the breach plug and beaver had been taken before our Some wandering beaver are tube. Make sure the threads are earliest settlements, remnants of killed by cars, and occasionally this mighty host were here, and young are killed by dogs, but cagood and set tightly. Start with a light powder load Iowa geography is liberally sprin- lamity strikes quickly the dog

(Continued to Page 93, Column 1)



PAGE NINETY-TWO

IOWA CONSERVATIONIST

WARDENS' * TALES *

Bob Knows His Hunting Dogs--and Bill Should When He Reads This

SHOP TALK FROM THE FIELD

Two young men were shooting ducks during closed season when U. S. Game Management Agent "Flick" Davis spied them and their dog on an earthen dike near the center of Green's Slough below Council Bluffs. The hunters saw Davis about the same time and they lit out across the swamp with Davis after them. Due to the character of the country Davis was unable to see them after setting out, but following their tracks for some distance he came to a place where one of them had fallen down in the mud and water while crossing a drainage ditch. The hunter had apparently thrown his muddy gloves away for one of them lay on the bank of the dike. There sat the dog. A dirty little yellow nondescript mongrel, flea-bitten and woebegone. He was blind in one eye and his mangy coat was full of beggar's lice and cockleburs. There was his master's glove and it was up to him to take care of it. The only friend he had ever known had run on and left him and now an ominous stranger was rapidly approaching from down the dike. His master's fear and panic had heen contagious. He was more afraid than he had ever before been in his life. He was skinny and forlorn and he shivered in the chill March wind, but he had a job to do and he was doing it. When danger is faced without fear it may be called bravery, but true courage is that spirit which carries on in spite of fear. The little dog held his ground. Although he trembled, he managed to get out a few weak snarls. In his eye was the light of desperation. He knew men and he had been beaten by them-he expected it now, but here was his master's glove and his duty was as plain to him as the high hills. He never wavered. His was the courageous heart. "Flick" crossed the ditch and continued through the swamp after the hunters, tracking them to a ramshackle group of farm buildings more than a mile away. Two hours later he retraced his way through the swamp. The dog was still there but now he was then taking the gloves in his busily engaged in trying to get mouth he trotted on up the dike. every 20 seconds to let him know something out of the water. It Bench shows and field trials was the other glove. A thin shelf bring out breeding that is recogof ice extended out into the water nized by sportsmen and rewarded car, and there he was, snoozing for eight or 10 inches and the by blue ribbons but this dog had glove had gotten under this. those inherent qualities of cour-"Flick" retrieved the glove and age and faithfulness that tranthrew it up on the bank on top scend all pedigrees. This, my of its mate. The dog eyed "Flick" | friend, was a thoroughbred .-suspiciously for a moment and Bruce F. Stiles.

Selecting a Man's Best Friend Is a Serious Undertaking

Dear Bill: So you're going to buy a hunting dog! And you have decided that I'm the answer to your prayer for the low-down on the kind you'll want here in Michigan! All I can say is that I hope your choice of me as a dog expert isn't typical of your judgment in other matters. It's only because I know that your experience with dogs is nil that I'm going to tell you this, anyway. At one time or another I've advised various former friends in a choice of cars, guns, and wives, but this selection of a dog is a serious matter. I know you're an angler of convictions, who would never admit to using worms, or even a wet fly, in piscatorial pursuits. There are several castes of hunting-dog fanciers, somewhat like your various degrees of fishermen. And often enough the unorthodox dog, like the barefoot boy with the big fish, is the one that gets results. Creme de la creme of the birdhunting dog-in their owners' opinions, anyhow-are the pointing dogs: setters and pointers. Setters have long hair; pointers have short, smooth coats; and there are some other differences to me that mightn't be apparent to you. You have maybe read stories of these noble dogs that work in advance of the hunter, running gracefully to and fro with heads held high, until they scent game. Then they freeze to living statues, heads pointing to the quarry, each with one foot out-



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Only at command do these perfect animals break point, recover the dead birds, and return them to the master's hand for a rewarding pat on the head.

stretched, tail rigid. Permissibly, them, are handicapped by heavy the dog may steal in slowly, par- cover, such as ruffed grouse and ticularly if the birds are not too woodcock lurk in. In the brush close. A second dog is expected the medium wide ranger is a to "back" the one that first lo- downright liability. Some dogs cates game, never going in ahead. have the sense to adjust their The next move is up to the range to the cover and pretty hunter, who walks in, flushes the well keep in sight. Sometimes birds, fires right and left barrels a small bell or a set of sleighbells for a neat double, and says attached to the collar is a good "Fetch!" to the quivering dogs. idea in the thick stuff, because Only then do these perfect ani- if the dog stays reasonably close mals break point, recover the he can be heard till he stops; dead birds, and return them to whereupon the hunter heads for the master's hand for a rewarding the place he last heard the bell pat on the head.

in the fond hope that Pluto's on should be, and as I have seen it There are various styles in in movies. The dogs I actually pointing, by the way. There was know are evidently of a differ- one pointer, highly rated for his ent strain. Most of 'em are en- work on quail, that proved to be thusiastic enough, galloping back a good dog on pats and sharpand forth in high glee a half tails. But his style sure lacked mile or so ahead. These are finesse. He'd come to point flat known as "medium wide ran- on his belly, or in a semi-squat gers", allegedly just the thing for reminiscent of Bronko Nagurski prairie chickens and sharp-tailed burlesquing a ballet gal. Even grouse. When one disappears for though you didn't care much a half hour or more, he is "just about the fine points, you had to over the hill on point." I bor- admit that Jupiter was mighty rowed one once, and lost him hard to see when he lay down in/ This business of retrieving is where I was. After considerable tricky in pointing dogs, so much sc that some trainers won't let their charges do it at all. I recall a setter that often pointed respectably enough. But at the flash of a gun, dog and owner both charged forward in a desperate dash for the unlucky bird. (Continued to Page 94, Column 1)



The pointing dogs, when they scent game, freeze like living statues, heads pointing to the quarry, tails rigid.

Now this is the scenario as it point again.

promptly in spite of my yelling a furrow. search, I wandered back to the in the shade. This got to be a regular habit—after a half hour's run, he'd get tired and go back to the car; so I stopped worrying about him.

Pointing dogs, even the best of





Beaver

(Continued from Page 91)

the newcomers move in a day or two and construct their own homes, but more often they accome. They dammed drainage cept the man-made habitation. After a colony has been estabup sewer outlets, and on one oc- lished three years, it usually concasion backed the city sewage in- tains eight to 10 individuals. The to the city water reservoir, neces- maximum limit in Iowa is besitating condemnation of the wa- lieved to be about 14. The family members include two adults, To ease population pressure, to their two to six yearlings, born prevent damage, and at the same the previous spring, and two to time to aid in state-wide dispersal six kits born the current spring, of this valuable fur-bearer, the usually in May. About the time gurated the live trapping-stock- the young approaching the twoing program that has proved so year age are forced out of the colony and establish themselves Beaver are live-trapped in elsewhere. They mate and begin

SHALL WE PRINT AN INDEX TO The "Iowa Conservationist"?

During the past year the Conservation Commission has received a number of queries as to whether there would be an index printed for the "Iowa Conservationist". Many sportsmen, schools, and libraries plan to bind this bulletin for permanent reference and feel that its use would be facilitated by indexing.

In order to determine whether the demand would warrant the time and expense involved, the Commission is asking anyone wishing to obtain an index to address a card to the Conservation Commission, 10th and Mulberry, Des Moines, 8, making a request for it.

If the index is printed, it will cover Volume 1 and Volume 2 and will be distributed about February 15 without cost to those making a written request.

The Commission has available back numbers of this bulletin for the following issues: December, 1942, January, Febru-

ditches and tile outlets, backed ter supply for several months.

Conservation Commission inau- the kits are born in the spring, successful.

early spring, before the female to have kits the following spring. are too heavy with young to It can be easily seen that these high degree of marksmanship retransport safely, and in late sum- conditions definitely limit the mer and fall after the young are size of family groups. weaned.

When investigation shows ne- each dam represents a colony. cessity for removal, a state con- One family may build half a servation officer and a helper dozen or more dams, and in the take over. Equipped with Bailey larger streams generally no dams Machine gun bullets, with muzzle their findings into better ammulive traps, cages and camping out- at all are built, the beaver fit, these modern beaver trappers merely picking a deep place to

It is a mistaken belief that

ary, March, April, July, September, October, and November. 1943. These issues are free upon request.

Many libraries are anxious to secure a copy of No. 1 Vol. 1, the February 15, 1942, issue, and anyone having an extra copy of this number who would care to mail it to the Conservation Commission will be aiding some public library to secure a complete file.

What Goes On Up There?

Sportsmen who have shot at ducks traveling at from 40 to 80 miles an hour will appreciate the quired to wage war effectively in the air.

When two diving planes pass Physicists, chemists and balliseach other at 600 miles an hour, ticians at the Remington Arms tail gunners are offered marks laboratories are rapidly finding moving at 1,200 miles per hour. many answers and translating velocities of 2,800 feet per second, nition. American aces of science move only 1,800 miles per hour. are trumping the enemy's best Does the bullet travel fast cards every day, and scoring the enough? How can it be made result in history. What goes on more accurate and more effective, up there? A bigger big-game to meet the ever increasing de- hunt than ever before known in mands of combat? What goes on the history of the world-Remup there when a gunner presses | ington News.

his firing button with the air outside his turrent at 70 degrees below? How does the thin air of the stratosphere affect velocity, striking power, trajectory, the ignition of powder and the power it develops in burning.

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stay with the job day and night start their under-water burrow. The family may operate up and until it is completed.

The beaver live trap operates down the stream for half a mile on the same plan as the common or more, but they seldom leave steel trap. It is much larger, the river bank more than 30 or heavier, and is designed to take 40 yards, except under unusual an animal unharmed in its heavy circumstances.

wire meshes rather than by hold-| The food of beaver is princiing it in steel jaws. The trap pally bark of trees, with cottonwhen set is open like a flat pock- wood and willows making up the etbook and when sprung has the bulk of their diet. Other bark is the farm boy trappers' cash as- remember, however, that the colappearance of the same pocket- sometimes used, however, and in sets. Beaver are potentially big ony that used these few hills of book when closed. As the ani- summer some grass, bulbs, and business. mal steps on the pan, the trap roots are eaten. The animals do springs and the prisoner is held not eat fish, and they live in safely above the water level. | complete, sometimes playful, har-The trapped beaver, after a mony with muskrats.

tles down to stoically await re- estimate indicates the number of pasture and provide permanent lease. The trappers open the Iowa beaver to exceed 5,000. Beatrap, pick the beaver up by the ver are distributed in some numtail, and place it in one of the bers in almost every county of transportation cages, to wait, the state. There are hundreds these two extremes there is room with other members of the col- of miles of streams, however, for argument aplenty.

asset in some places and a liability in others. They are definitely an asset when they dam very short period of fright, set- At the present time a careful an intermittent stream through a livestock water. They are a definite liability when they dam drainage systems. In between

The cottonwoods and willows ony, shipment to a new Iowa with suitable habitat which as home perhaps 300 miles away. yet are uninhabited and which the beaver takes for food are of Live-trapped beaver are trans- beaver may be expected to re- almost no value. They grow up and for the most part in a few A CAPACITAN planted only at the request of the occupy. landowner, and then only after It has been established in Wyo- years die or wash out. They apinvestigation proves the new ming that, with a beaver popula- pear to be designed by Mother A beaver population of 30,000 individuals habitat to be suitable. To en- tion of 30,000 individuals, proper Nature for the principal purpose properly managed would allow a sustained courage the animals to stay at management would allow a sus- of providing food for "old Cas- annual yield of 9,000 pelts, which at present value would add \$450,000 each year to the the stocking site, artificial dens tained annual yield of 9,000. If tor". are constructed and the animals Iowa streams will support 30,000 When beaver cut a few rows farm boys' cash assets. Beaver in lowa are released directly into them. Often beaver, the annual crop after of corn adjoining the stream potentially big business.

establishment would at present | bank, a cry is often raised, "I values add \$450,000 each year to am being ruined!" It is well to corn for bedding are worth some Beaver activities may be an \$500 in coin of the realm.



PAGE NINETY-FOUR

IOWA CONSERVATIONIST

Why Should I "Give"?



It Seems To Us . . .

readers to learn that the beavers es over. They have cut through down in our pasture on the Floyd | several rings of the smallest cothave now started on another huge | tonwood clear around the tree, cottonwood tree which is fully, and it is apparent that a heavy in our estimation, 48 inches in wind would now cause the diameter. That makes four cot- spreading poplar to crash. tonwood trees they are working It also appears that they prethrough.

unless they plan to use it some- winter's eating.

At the rate they are going they should have one or more of them It may be of interest to some down well before the river freez-

on, in addition to one willow tree fer trees with wide spreading about a foot across which they branches, for they have passed gnawed well over half way up, thus far, a number of smaller cottonwoods that more or less This willow is rather puzzling. grow straight up without sending We aren't aware that beavers out many large limbs, although cared for willow bark, and we the latter would be much easier think it must be going to serve to fell. We judge that what they another purpose, although we are want are the big branches with stumped as to what it would be their "luscious" bark for their

where down the creek in a dam. Although unable to give them Apparently, the colony is doing oral assurance that they are welwell, for they seem to work come to the giant cottonwoods, nightly on the big cottonwoods. we are glad to put it in writing here. These cottonwoods are "volunteers"-having sprung up from seeds carried by the wind to this location near the river bank. It is sandy clay soil, but the roots of the trees are evidently well irrigated by the river for they have made prodigious growth in the past 10 years and have multiplied considerably. They should support the beaver colony for a year or two if they can manage to get them cut down. The writer's father would have been tremendously interested in this colony of beavers located on his home place. While managing a sheep ranch along the Teton river near Choteau, Montana, 30 years ago, he would study the beavers on moonlight nights while they were at work. At that time he was writing a series of articles for the Sioux City Sunday Journal called "Little Tales of the Rockies", which reflected many of the traditional tales of that interesting region of northwestern Montana with its fast flowing mountain streams and Blackfoot Indians. Several times he wrote about the work being done by the beavers and the remarkable organization with which they conducted the constructions of their dams and houses. In Montana at that time, as here in Iowa now, it was necessary to get a permit to trap beaver on your own premises and to show that they were causing damage. He obtained such a permit, and an expert trapper took out 40 beaver one winter from that one large colony. We hated to see them go, but it seemed necessary at the time. This colony here on the Floyd is no doubt rather small at present. They work less than 200 feet from a paved state highway that is heavily traveled and no doubt would accomplish more if there weren't so much traffic nearby and fewer fishermen along the banks of the stream.-Geo. E. Bowers, Alton Democrat.

The spaniel is more of a Jack-of-all-trades than the pointer or setter, and when game is dropped, the spaniel is expected to retrieve it.

Hunting Dogs

(Continued from Page 92)

If old Spot won the race, he kind of bird-pheasant, woodplucked feathers furiously till cock, grouse, or prairie chicken. the owner arrived. Then there was another setter, not soon to be pointers, however, that may make forgotten, so help me, that re- ycu think twice about getting trieved a grouse from the trunk one: They're a bit large for of the car and vanished into the housedogs. Some fellows conbrush with it. He did a good sider that a bird-dog's place is in job of catching it, too, for a a kennel, and that petting and lengthy search with other dogs indoor life makes 'em soft. My never revealed the hiding place. idea is that those fellows may Pointing dogs need birds that get more birds, while the man "lie well", as quail and partridge whose dog is a household pet gets generally do, as sharptails and more fun out of his dog, on a prairie chickens often do when year-'round basis. they're not in flocks. Pheasants Your combination hunter and are another story. Pheasants put pet is likely to be a spaniel, a just about as much reliance on type which comes in assorted their legs as on their wings and sizes, styles, and colors. The often don't play fair with the spaniel is more a Jack-of-alldogs. It's disconcerting to a re- trades than the pointer or setter. fined pointing dog to strike a hot It isn't supposed to point (exscent of pheasant and come cept the Brittany spaniel), and smartly to attention, only to find has more of a tendency to hunt that the blasted bird is doing a anything — especially rabbits, sneak. This sometimes leads to which no proper pointing dog a series of short runs and "flash would notice socially. Spaniels points" as the dog tries to do two are expected to flush birds, not things at once. Next step in the to chase them after they fly, but degeneration of "a good grouse most spaniels I've seen don't dog" is the "running point", and make the distinction. finally the last pretense of point- game is dropped, a spaniel is ing may be lost in an effort to certainly supposed to retrieve, catch the bird before it takes to but it's more a matter of trainwing. This generally occurs any- ing than instinct, I'm afraid. where from a hundred yards to Mine retrieves, you might say, a mile from the hunter, unless but won't "give" till I pry his he's an experienced track man. jaws apart. Given a chance, I Consequently some owners pre- think he'd eat the bird. A capfer not to risk exposing the deli- able retrieving spaniel that hunts cate nervous system of an edu- close to the gunner is a useful the word and I'll bring down one of Sally's cated pointer or setter to the critter; one that works very wide pups. He'd be just about right in 1945.

shocks of pheasant hunting. Nevertheless, a lot of pointing dogs do a pretty good job on any One thing about setters and When

will flush game so far out of range that it's worse than useless.

When all's said and done, any kind of a dog may be a good hunter, and individuals of quite a few breeds may show the pointing instinct. A lot of farmers do all right on pheasants, squirrels, and rabbits just using old Rover, who may be a collie, a German shepherd, a beagle, or any other kind or mixture of breeds.

The trouble with a lot of dogs (including mine) is the guy that owns 'em. There was the case of the otherwise expert field man who walked up to his dog, on point, and gave it a hefty kick. A startled companion wanted to know what was up. "Aw, he's too lazy to get out there and hunt," was the reply. "The bird flew and he just stands there gawkin'." The next moment. of course, another bird went up. No wonder dogs get confused.

Excuse these ramblings, Bill. There's no good advice about dogs-you've got to make your own choice. But if you happen to fancy my kind, just say the word and I'll bring down one of Sally's pups. He'd be just about right in 1945, if you bring him So long, up right. BOB.

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-From Michigan Conservation.



If you happen to fancy my kind, just say



IOWA CONSERVATIONIST

Pigments and Public; Or When

Should the Muskrat Season Open?

PAGE NINETY-FIVE



By DR. GEORGE O. HENDRICKSON Leader, Project No. 566, Ecology and Management of the Raccoon.

Food Habits of the Raccoon For the purpose of determining the food habits of the eastern raccoon in Dubuque County, Iowa, 363 scats and two stomachs were collected in spring, summer, and fall of 1938 and analyzed by LeRoy W. Giles. The scats were found, for the most part, on the rims and ledges of limestone bluffs. To a lesser extent they were picked up along the streams, in the woods and pastures, and in tunnels of abandoned lead mines. The food habits data are treated by four periods, each characterized by one or more distinctive foods. During the first period corn ranked first in consumption and was highly important as a post-winter staple. When other foods became abundant, it dropped considerably in preference, though it was still available and was eaten to a minor extent throughout the early summer. Again, in the middle of August, when the field corn matured, it became the chief food and so continued. Following the first perroughage and as a tonic food. When wild raspberries became available, their seeds replaced the grass as a predominating fecal inclusion. Along with the grass the fragments of large numbers of beetles and cutworms appeared. The cutworms were found in only the grass-containing scats; beetles, however, rethen insects appeared only as traces until about the last of September, when grasshoppers became abundant in the feces, so to remain until the middle of October. Vertebrate food remains were present only in small quantities, though the frequency indices give them a somewhat greater significance. A wide variety of vertebrates was eaten with no particular group suffering very serious predation.

Question Has No Nice, Convenient Answer, Says Author

By DR. PAUL L. ERRINGTON

Controversies centering about the proper time for lawfully permitting muskrats to be skinned out of their private possessions may have started with some tribal chieftain finding himself in a progressive (or dtctatorial, or perhaps merely grumpy) mood and passing out edicts that failed to meet with the enthusiastic approval of his constituents. At any rate, the question remains one of the choice array that may be counted upon to promote ulcers for fur administrators and doesn't become noticeably more restful as fur prices rise. It has, in fact, no nice, convenient, final answer. A major share of the trouble must be charged directly to the muskrats for failing to be correctly clad at the time of year when they are easiest to catch on a grand scale, namely, in fall. The general run of November 10th muskrats in a given Iowa locality are simply not the equal of December 1 muskrats so far riod grass was eaten in large as quality is concerned. Furquantities, probably serving as thermore, the pelts gain in primeness as winter progresses, reaching full prime in the spring. (Anyone wishing to delve into the technical literature on phenomena of priming should consult papers by C. K. Gunn, pp. 387-397 of Vol. 6, 1932, of the Canadian Journal of Research and pp. 546-559 of Vol. 66, 1932, of the American Naturalist, both mained an outstanding food until of which journals are accessible the middle of July. For a time at the Iowa State College Library.) We have been informed by prominent Iowa and Minnesota fur-buyers, however, that, for most commercial uses, winter muskrat pelts are as satisfactory as those from spring, so in the November 10th season are trashy north-central region the main issue appears to be between late fall and early winter trapping. The next subdivision of the question, illegal early trapping,



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Controversies centering about the proper time for lawfully permitting muskrats to be skinned out of their private possessions must be charged directly to the muskrats for failing to be correctly clad at the time of year when they are easiest to catch on a grand scale, namely in the fall.

ics and to the embarrassment of cent years and wavering mortals early trappers. Nor shall we be- have no assurance that Decemlittle the support of the populace ber conditions may not spoil their to whom grateful or hopeful ref- | chances of making a good catch. erence is made as the "better ele- At freezing temperatures, rising ment". For all of that, harvesting of muskrat pelts before season can and does occur; and, wise may storms, deep snow, and when done with ingenuity and diligence, may result in more of worse along with family colds an area's muskrats being taken and receding coal piles. Then, illegally than legally. Without condoning violations of the fur laws (which, after all, may be said to exist for worthy purposes), we must recognize that trapping before season is economically less wasteful in middle and late November than in late October and early November. As a rule, no experienced trapper in his right mind will take muskrat pelts more than two weeks ahead of the date of legal possession; this, for a December first season in Iowa, means essentially marketable mid-November pelts, whereas rats "soonered" much before a enough to be a public loss, irrespective of whether or not anyone may get any money out of them.

and falling water may be more of a problem to the trapper, as likeand thick ice—all maybe getting too, well-fed animals often do less moving around during the colder months and are accordingly less obliging about getting caught. Of course, trapping may turn out to be easier in December than in November, but. despite the classic vagaries of Iowa weather, it makes more sense to plan on having winter in the wintertime. In terms of ease of trapping, few, if any, muskrat sets compare with those made in ice-free water at the base of landings. This represents a method favored by novice and veteran alike, schoolboy and professional. Muskrats may thus be caught by hundreds or thousands in neighborhoods where abundant. But to assume, as many people do, that effective muskrat trapping cannot be done after freeze-up is ignoring the

On the other hand, it may be demonstrations that expert trapalso relates to quality of fur, but countered that a December pers repeatedly make of their The aggregates of plant and needs to be approached with a season is a standing invitation for ability to trap profitably in nearanimal materials recovered from certain diffidence and circum- pre-season fur-grabbing — and, ly any weather. There are, in all of the scats and the contents spection. We will not argue the unfortunately, that is not without short, ways and means of midof the two stomachs indicate that point that some of the conserva- truth. Even where a trapper the raccoons had definitely vege- tion officers (call them game may have no fear of competition winter trapping that are practitarian tendencies. Fully 77.73 wardens, if you prefer) have an with his fellows, good trapping cal, and at least some do not inper cent of the bulk of the feces aptitude for suddenly materializ- weather in November offers a volve much more personal hardwas of plant origin, whereas only ing in many different and strate- mighty temptation, especially ship than working out-of-doors 22.27 per cent was of animal der- gic places at once, in apparent when prices are as downright al-(Continued to page 96, Column 1) nullification of principles of phys- luring as they have been in reivation.

PAGE NINETY-SIX

IOWA CONSERVATIONIST

Muskrat Question

or more strenuous effort than chopping holes in the ice.

exceptional years when muskbe listed from the repertoire of rats really are, or promise soon north-central trappers are those to become, too plentiful for the made in the entrances of burcommon good—as, for example, Our ballot for the rows (plain or with devices to in 1943 — and the problem reinduce intimacy between 'rat and volves itself into giving trappers number one game bird trap) and vegetable-bait and instead of muskrats increased adslanting board arrangements in will be cast for the vantage, a logical defense may feeding waters or passageways. be made of fall trapping, if only ring-necked pheasant. Some of these sets can be put out on grounds of population control. and taken up without wetting The matter of "kid" trapping the hands, a feature of no trifling carries its own cerebral twinges merit on the kind of day a trapfor people who have to make ofper naturally enjoys keeping ficial decisions. It is perfectly sleeves down and hands in dry true that the wild fur crop as a mittens. Since they drown their source of income to a youngster catches if well placed and propwho wants to earn a pair of erly made, they need not be visskates, a basketball outfit, or the ited as frequently as do the nonwhich would fit in all right with Our Vote Is drowning sets. They require like, has sociological as well as a December 1 season, but somethat the trapper know what he is economic aspects. Much healthtimes market gluts or other fac- For the Pheasant doing and are not tricks that all ful and gratifying personal intors bring about price declines. persons readily figure out by terest in outdoor life has its in-In 1941, trappers in a neighbor-Our ballot for Iowa's number themselves; but, for one who is ception in boyhood trapping exing state cashed in on a two- one game bird will be cast for the familiar with or can learn the periences. A December 1 seadollar November market, but in ringneck pheasant. There are "lay of the land", water trapping son makes all but hopeless the Iewa, where the season opened those, of course, who will vote unguided efforts of most Iowa beneath the ice may be only rouon December 1, trappers felt otherwise, but it will take a lot boys to catch muskrats, and this tine procedure. lucky to get much more than a of argument to swing us from Exceptions should be men- can stir up plenty of agitation. dollar following one of Tojo's our position. tioned, for suitable places to set On the opposite side of the picincidents. Yet, a later and short-The range of the pheasant is are often hard to find in very ture, we see that some of the er season in Iowa was in keep- extensive. He is hardy and proshallow water and amid the lay- worst abuses in trapping origiing with knowledge that the lific. After a few days of guners of ice that multiply notably in nate in youthful irresponsibility. muskrat population, by and large, ning he is pretty smart. Pheastile-fed or spring-fed small Professional fur trappers cannot was only in fair shape and needed | ant shooting requires little, if any, streams. Moreover, veteran always be said to display the more encouragement than that advance preparation. Any onegreatest solicitude for the creatrappers themselves may not ensupplied by condolences. The gallus hunter with a single-barjoy spectacular success in trying tures they catch, and now and next year a similarly late season reled weapon of ancient vintage to conspire against muskrats that then their steel-trap victims mess was amply justified because of can sally forth and bag a pheasthemselves up with a thorougheat and doze away the winter in excessive proportions of late-born ant. When he bags him there is ness that is highly unpleasant to moist burrows packed so full of animals-great numbers of which meat on the table. A limit of think about; nevertheless, such Iowa's celebrated corn that they had not grown to desirable peltpheasants makes a sizeable banprofessionals know how good need not so much as poke out ing sizes even by the middle of quet for a big family. There is business it is to use quick-killing their plump and indolent noses December and New Year's. no investment in pheasant shoot-"drown sets" for muskrats where for days or weeks at a stretch. Not long ago, Minnesota's leing except your hunting license, possible or, where not possible, Cornland ditch populations may gally protected muskrats were shells, and time. Compared to to visit set traps at frequent and indeed thrive underground withslipped south across the bounduck hunting, it is a mighty cheap regular intervals. out necessarily any betrayal by dary to sell during the Iowa fall form of sport. external "sign" other than an oc-Just in case the reader may season, after which the poachers Make no mistake about it. The casional "push-up" or bank plug have residual suspicion that the impartially cleaned out much of pheasant has become a permaof mud and food debris. difficulties of wisely determining

seed, clean-sweep, none-left, and "The Pheasant . . . part of the lowa game picture." all standard variations thereof), (Continued from Page 95) a winter open season automatically works in the right direction by imposing added handicaps upon the trappers. In those now Among the under-ice sets to





