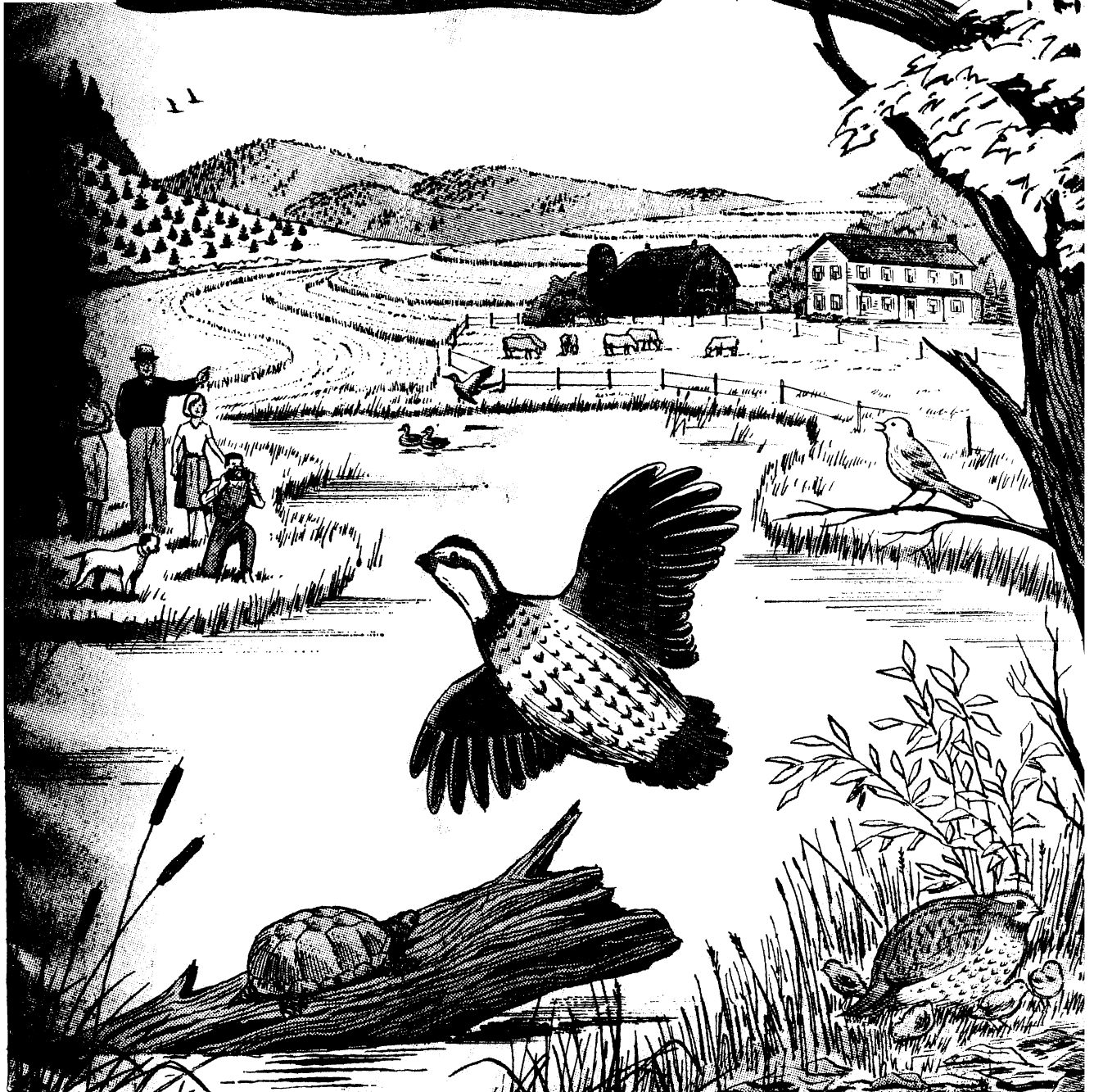


# MAKING A HOME FOR WILDLIFE ON THE LAND



MEET THE SHORES FAMILY....

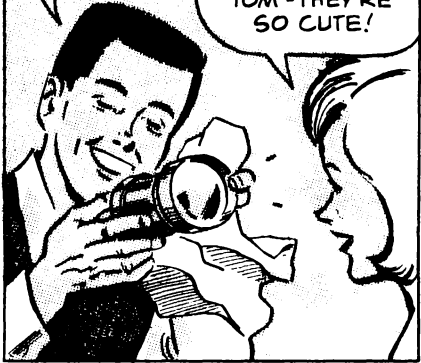
HAPPY BIRTHDAY DEAR TOMMY...

AND HERE IS A VERY SPECIAL PRESENT FROM ALL OF US!



A TELEPHOTO LENS FOR MY CAMERA! MAYBE I CAN WIN THAT BIG PHOTO ESSAY CONTEST, WITH A FAMILY TRIP TO BERMUDA, AS FIRST PRIZE!

TAKE SOME BABY PICTURES, TOM - THEY'RE SO CUTE!



NO, NO, JUDY. BABY PICTURES HAVE BEEN OVER-DONE. SAILBOATS WOULD BE A BETTER SUBJECT

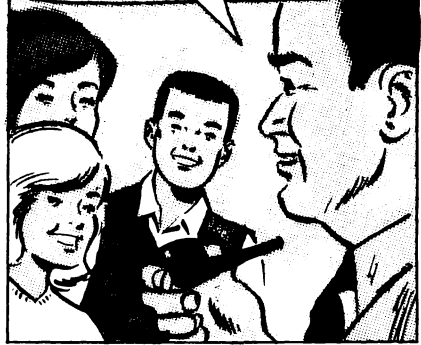
SAILBOATS ARE TOO LIMITED. NOW, IF TOM TOOK PICTURES OF WILDLIFE...



THAT WOULD BE PERFECT, MOM! WHY I COULD GET CLOSEUPS WITH MY TELEPHOTO LENS



THAT GIVES ME AN IDEA! WE'VE TALKED ABOUT GOING TO A VACATION FARM AFTER SCHOOL IS OUT. LET'S FIND ONE WHERE THERE WILL BE PLENTY OF BIRDS AND ANIMALS FOR TOM TO PHOTOGRAPH



SO THE SHORES CONSULTED A FARM VACATION GUIDE...

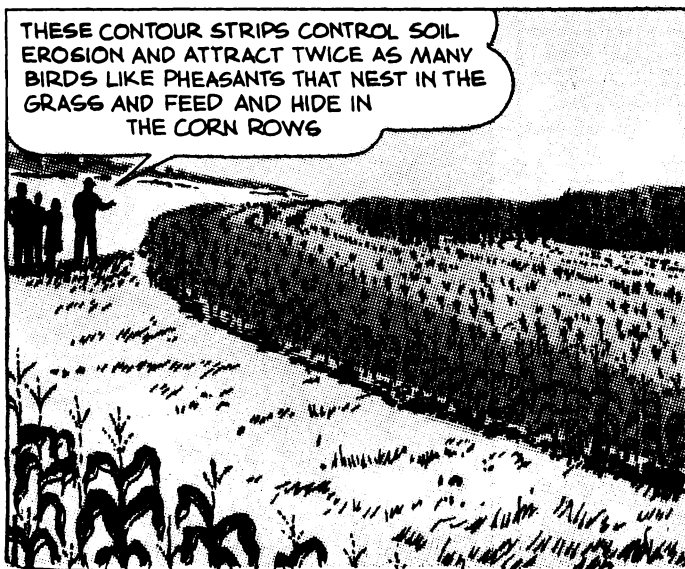
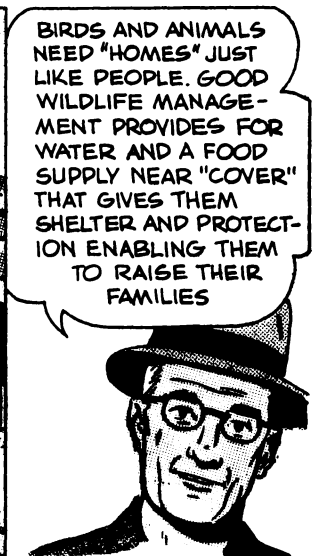
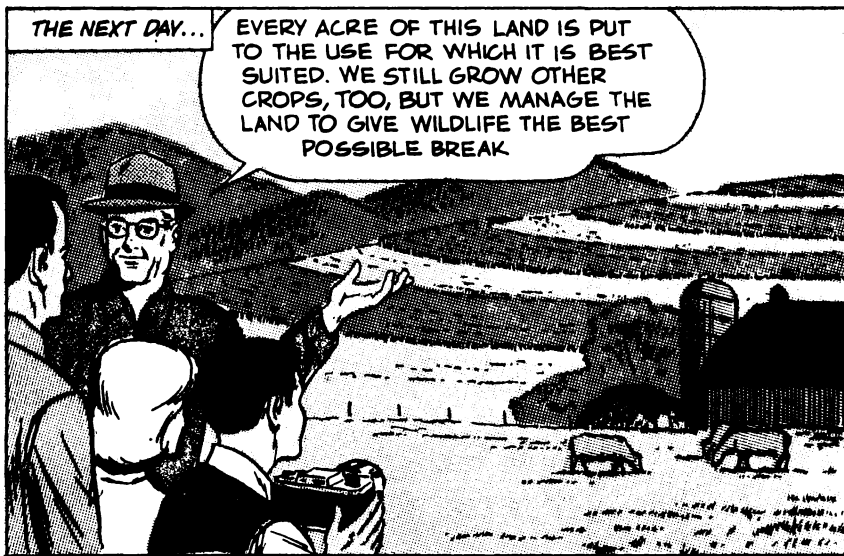
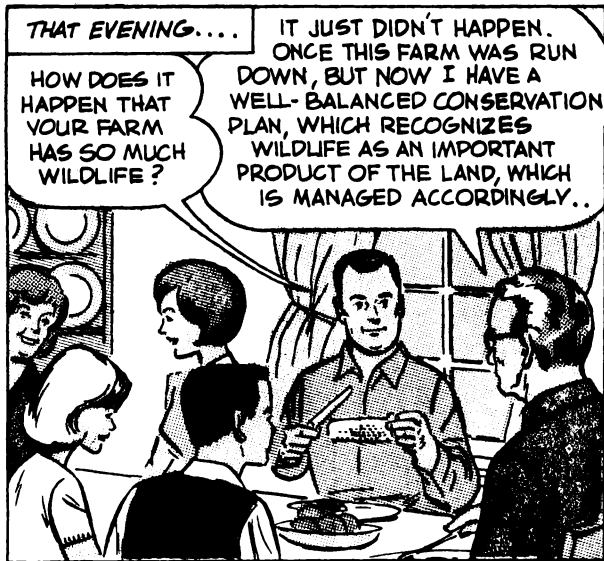
DIRECTORY of FARMS & RANCHES OFFERING RECREATION FACILITIES

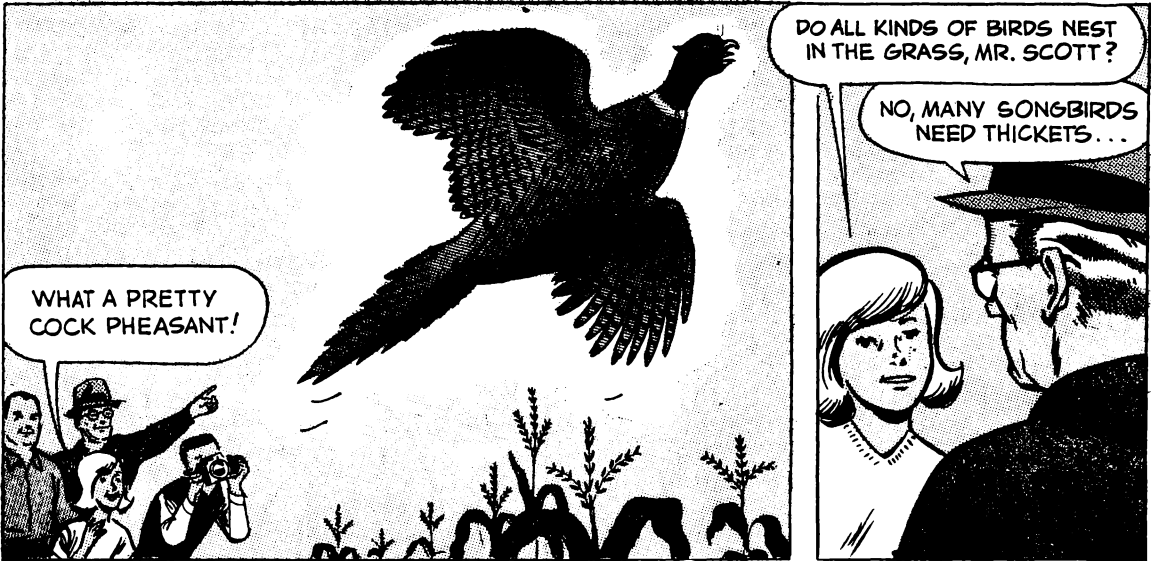
AND A FEW MONTHS LATER, THEY ARRIVED AT "HAPPY ACRES" MANAGED BY JIM SCOTT...

WE'VE COME HERE, MR. SCOTT, BECAUSE YOU FEATURE WILDLIFE

AND IT WAS BECAUSE OF WILDLIFE THAT I ADDED VACATION FARMING TO MY ORIGINAL OPERATION



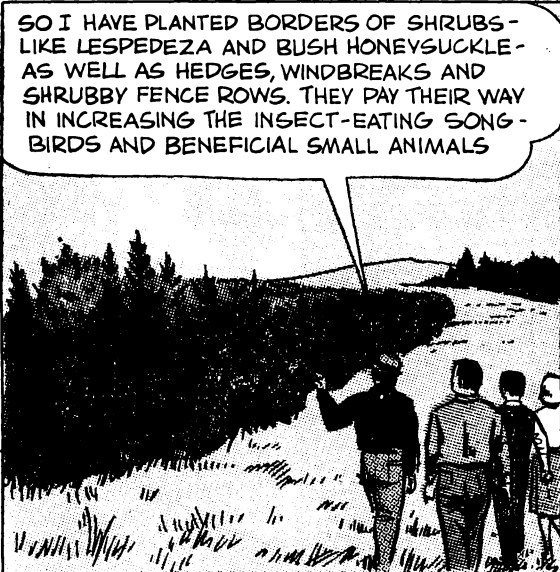




WHAT A PRETTY COCK PHEASANT!

DO ALL KINDS OF BIRDS NEST IN THE GRASS, MR. SCOTT?

NO, MANY SONGBIRDS NEED THICKETS...



SO I HAVE PLANTED BORDERS OF SHRUBS-LIKE LESPEDEZA AND BUSH HONEYSUCKLE- AS WELL AS HEDGES, WINDBREAKS AND SHRUBBY FENCE ROWS. THEY PAY THEIR WAY IN INCREASING THE INSECT-EATING SONGBIRDS AND BENEFICIAL SMALL ANIMALS

FARMING PRACTICES CAN BE ADJUSTED TO THE NEEDS OF WILDLIFE. I DON'T MOW MY HAY FIELDS OR GRASSED WATERWAYS UNTIL AFTER THE NESTING SEASON, SO AS NOT TO DISTURB THE PHEASANTS BEFORE THE YOUNG HAVE HATCHED. I LEAVE SOME GRAIN UNHARVESTED, SO IT WILL FALL TO THE GROUND TO FEED THE BIRDS IN WINTER



I PLAN MY PLANTING AND GRASSING TO CONTROL GULLIES- AND TO PROVIDE WILDLIFE FOOD IN ROUGH AREAS THAT CAN'T BE FARMED

AND YOU'VE DONE A GOOD JOB!



LOOK AT ALL THE CHRISTMAS TREES!

OUR SOIL MAP SHOWED THIS FIELD WAS BEST SUITED TO TREES. I SELL A CROP EVERY YEAR BEFORE THEY ARE LARGE ENOUGH TO SHADE OUT ALL THE GRASS COVER. IT'S A WONDERFUL PLACE FOR WILDLIFE..



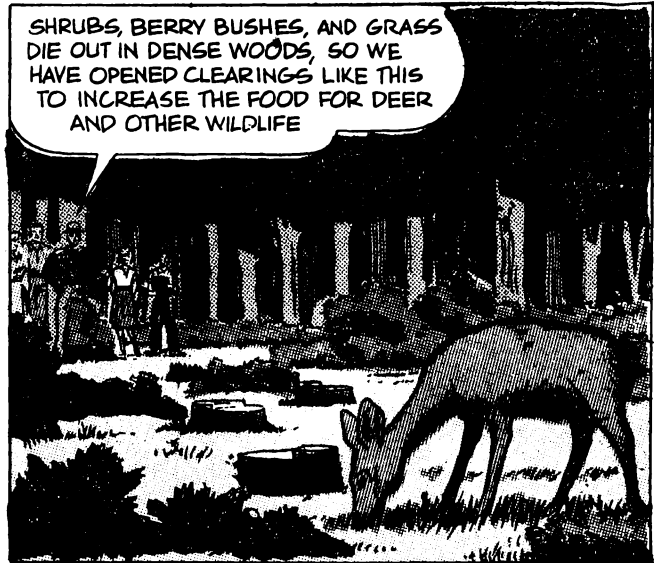
LIKE COTTONTAIL RABBITS

THERE GOES ONE RIGHT NOW!



DO YOU HARVEST TIMBER FROM THESE WOODS, TOO?

YES, BUT WE'RE CAREFUL TO LEAVE SOME HOLLOW "DEN" TREES TO FURNISH HOMES FOR SQUIRRELS, RACCOONS AND OPPOSUMS

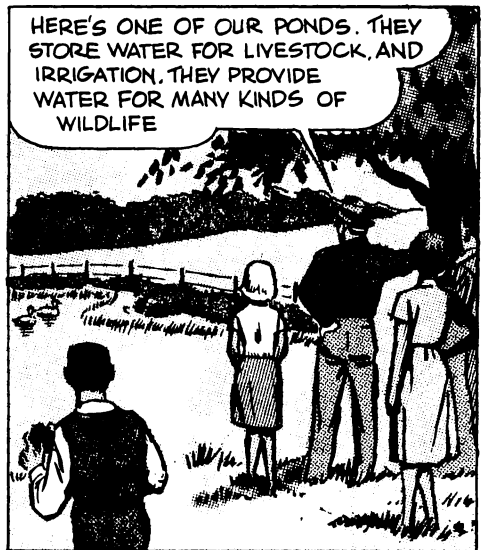


SHRUBS, BERRY BUSHES, AND GRASS DIE OUT IN DENSE WOODS, SO WE HAVE OPENED CLEARINGS LIKE THIS TO INCREASE THE FOOD FOR DEER AND OTHER WILDLIFE



HERE, WE RENT TENT SITES TO CAMPER. WE'VE PIPED IN WATER FROM A GOOD SPRING AND WE PROVIDE CLEAN SANITARY FACILITIES AND PLENTY OF FIREWOOD

MY GIRL SCOUT TROOP WOULD JUST LOVE TO CAMP HERE!



HERE'S ONE OF OUR PONDS. THEY STORE WATER FOR LIVESTOCK, AND IRRIGATION. THEY PROVIDE WATER FOR MANY KINDS OF WILDLIFE

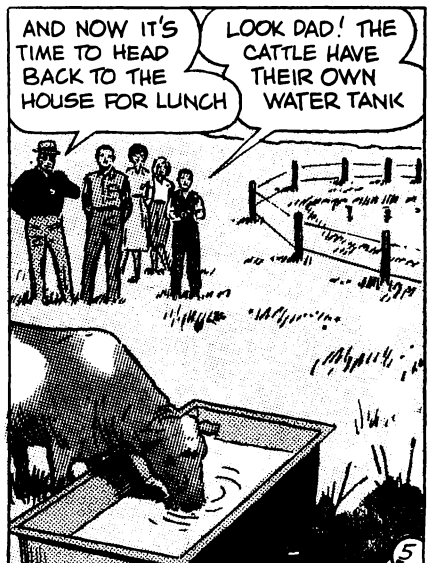


NOTICE THAT THE POND IS FENCED. THAT ALLOWS GRASS TO GROW UP IN THE INLET TO FILTER SILT OUT OF THE WATER BEFORE IT REACHES THE POND. IT KEEPS LIVESTOCK FROM TRAMPLING THE BANKS AND DAM...



AND IT GIVES THE SHRUBS AND GRASS A CHANCE TO GROW SO WILDLIFE HAS COVER NEAR WATER

YOU'RE LEARNING FAST, TOM!



AND NOW IT'S TIME TO HEAD BACK TO THE HOUSE FOR LUNCH

LOOK DAD! THE CATTLE HAVE THEIR OWN WATER TANK

AFTER LUNCH, MR. SCOTT TAKES TOM AND JUDY TO ANOTHER POND TO FISH...

YOU SAY THERE ARE LOTS OF FISH HERE? BUT WHY IS THE WATER SO GREEN?

THAT'S ANOTHER WAY WE INCREASE THE FISH CROP. WE USE COMMERCIAL FERTILIZER TO STIMULATE THE GROWTH OF MICROSCOPIC WATER PLANTS



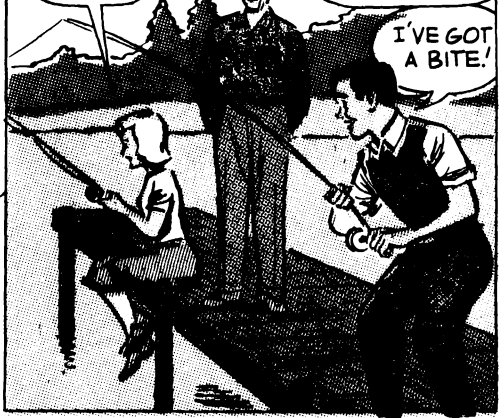
THEY ARE EATEN BY MICROSCOPIC ANIMALS WHICH ARE EATEN BY INSECTS. SMALL FISH EAT THE INSECTS... LARGE FISH EAT THE SMALL FISH...



...AND WE EAT THE LARGE FISH!

THAT'S RIGHT. FARM PONDS PROPERLY MANAGED CAN PRODUCE UP TO 300 POUNDS OF FISH A YEAR!

I'VE GOT A BITE!



AND LOOK WHAT I'VE CAUGHT!

I CAUGHT THE FISH THAT YOURS WAS GOING TO HAVE FOR SUPPER, JUDY!

DON'T WORRY THERE ARE MORE BASS WHERE THAT TWO POUNDER CAME FROM



MR. SCOTT WAS RIGHT! TOM AND JUDY BOTH RETURNED TO THE HOUSE...

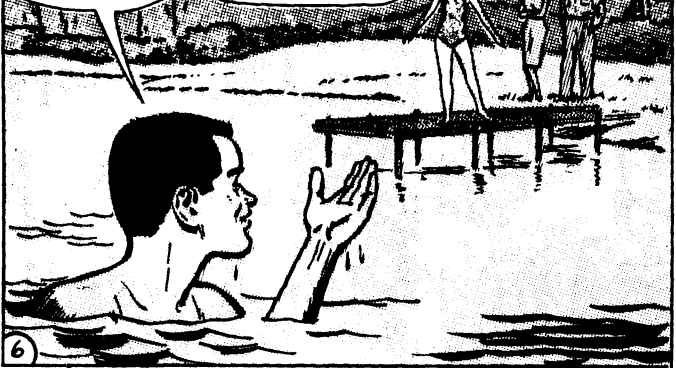
NOW LET'S GET INTO OUR SWIM SUITS AND GO BACK FOR A SWIM

AND WE'LL TAKE DAD AND MOM ALONG TO SEE THE POND



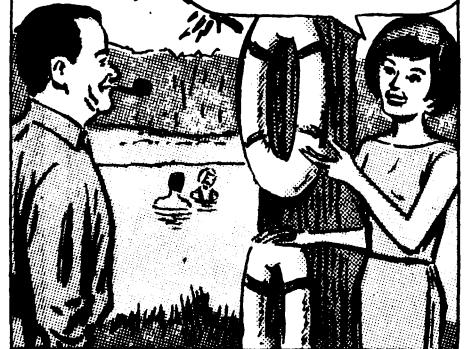
THIS WATER IS GREAT! AND THERE'S NOT A WEED IN IT!

THAT'S BECAUSE OF THOSE MICROSCOPIC PLANTS. MR. SCOTT SAYS THEY CUT DOWN THE SUNLIGHT SO THE WEEDS CAN'T GROW



MR. SCOTT THINKS OF PRACTICALLY EVERYTHING!

HE CERTAINLY DOES.. INCLUDING LIFE PRESERVERS FOR WHICH I AM VERY GRATEFUL. THERE'S NOTHING LIKE THEM IF A SWIMMER GETS IN TROUBLE!

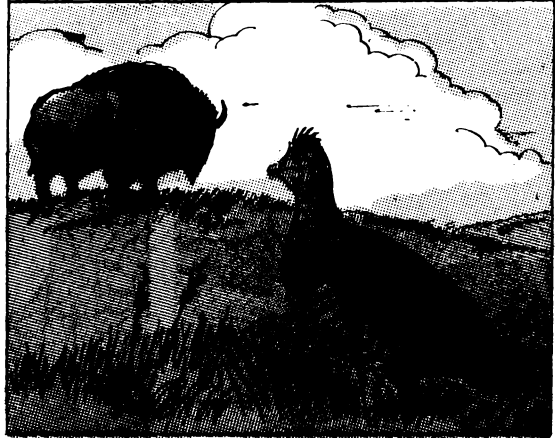


THAT EVENING AFTER DINNER...

MANY BIOLOGISTS BELIEVE THAT THERE IS MORE WILDLIFE IN AMERICA TODAY THAN IN PRIMITIVE TIMES. DEVELOPMENT OF LAND FOR AGRICULTURE HAS INCREASED THE AMOUNT AND DIVERSITY OF HABITAT NEEDED FOR A LARGE WILDLIFE POPULATION...



"EXCEPT, OF COURSE, FOR A FEW SPECIES LIKE THE BUFFALO AND PRAIRIE CHICKEN, WHICH COULD NOT SURVIVE THE ONSLAUGHT OF CIVILIZATION!"



"WILDLIFE ABOUNDS IN PROPORTION TO THE FOOD, COVER AND WATER THAT IS AVAILABLE. CONSERVATION PRACTICES CAN BE USED TO IMPROVE AND INCREASE WILDLIFE AS A PROFITABLE CROP..."



OR FOR THE ENJOYMENT OF LAND-OWNERS, WHO CAN EVEN CHANGE KINDS OF WILDLIFE BY THE WAY THEY MANAGE LAND!...



"TREE WINDBREAKS, BUILT TO PROTECT FIELDS AND FARMSTEADS, HAVE BROUGHT MANY SPECIES OF WOODLAND BIRDS AND MAMMALS TO FORMERLY TREELESS AREAS"



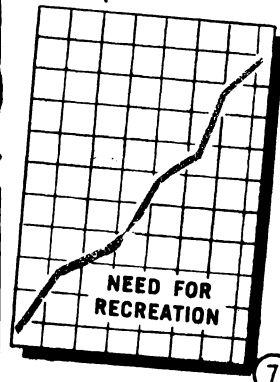
"SIMILARLY, PONDS AND LAKES, BUILT BY FARMERS AND RANCHERS IN WATER SCARCE AREAS, HAVE OPENED OPPORTUNITIES FOR FISHING AND WATERFOWL HUNTING..."

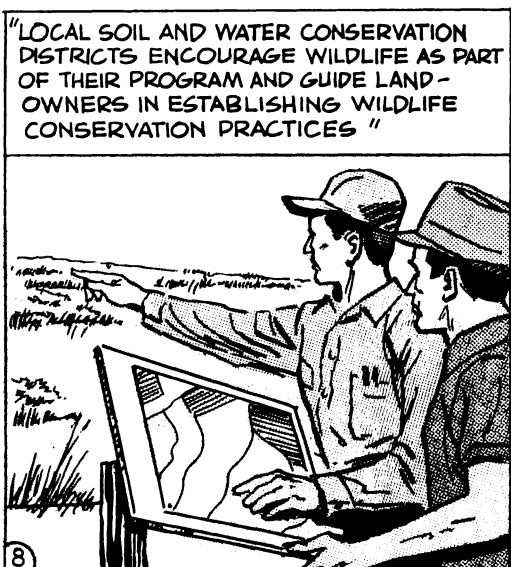
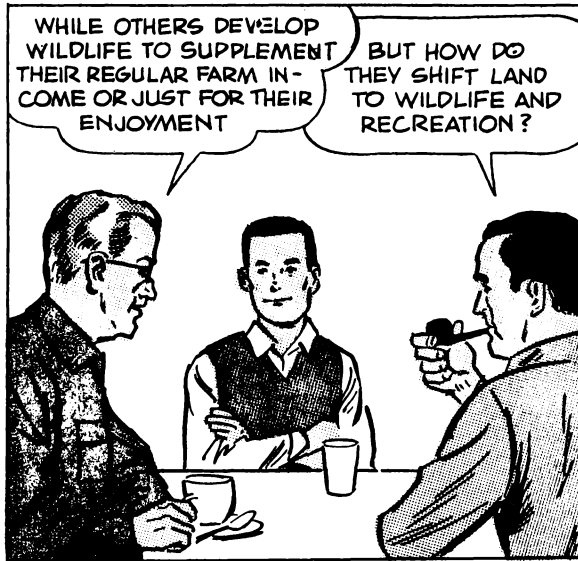
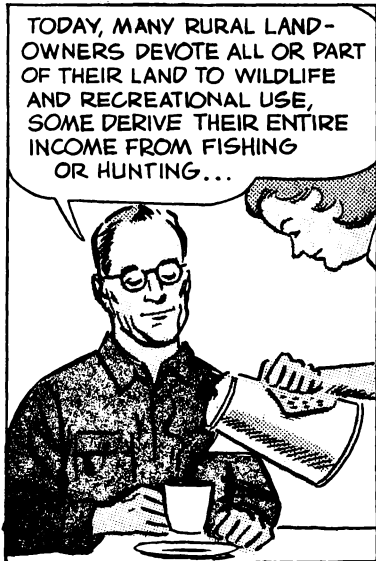


"ABOUT FOUR-FIFTHS OF ALL GAME HARVESTED COMES FROM OUR FARMS AND RANCHES"



"THUS OFFERING AN ADDED MEANS OF MEETING THE DEMAND FOR OUTDOOR RECREATION, WHICH IS TO TRIPLE IN THE NEXT 40 YEARS!"







THE NEXT DAY...

HOW MANY DIFFERENT KINDS OF WILDLIFE ARE THERE ON THE FARM MR. SCOTT?

WELL, THERE MAY BE 50 OR 60 DIFFERENT KINDS OF BIRDS - SONG BIRDS, CROWS, HAWKS AND GAME BIRDS LIKE WATERFOWL DOVE AND QUAIL

IN THE WOODS ARE FOXES, RABBITS, SQUIRRELS, DEER, SKUNKS, RACCOONS AND OPPOSSUMS. ALONG THE CREEK ARE WOOD DUCKS, MINK, MUSKRAT AND BEAVER... AND BECAUSE THE SPRING-FED WATER IS COLD THERE ARE TROUT IN THE CREEK

AND IN THE POND ARE BASS AND BLUEGILLS... WE OFTEN SEE WILD DUCKS THERE, TOO.

WOW! A WEEK ISN'T LONG ENOUGH TO TAKE PICTURES OF ALL THOSE!

BESIDES THE VISIBLE FORMS THERE ARE MILLIONS OF TINY LIVING THINGS, MANY OF WHICH YOU WON'T SEE AT ALL. BUT THEY ARE NECESSARY AND SOME, LIKE EARTH-WORMS, BEES, LADYBUGS - ARE ESPECIALLY HELPFUL. A GOOD WILDLIFE POPULATION KEEPS DOWN DAMAGING INSECTS LIKE GRASSHOPPERS, POTATO BUGS, AND SUCH PESTS AS MOSQUITOS

BUT SOME THINGS ARE EASY TO PHOTOGRAPH, TOM. WHY DON'T YOU AND JUDY COUNT THE BIRD NESTS IN THAT HEDGEROW AND TAKE PICTURES OF A FEW

A GOOD IDEA!

THIS MAKES NUMBER TEN IN A HUNDRED YARDS OF HEDGEROW, MR. SCOTT!

GOOD! NOW SEE HOW MANY NESTS THERE ARE IN THAT CLEAN FENCE ROW BEYOND THE LAWN

NOT A SINGLE NEST IN THE FENCE ROW! THAT PROVES YOU WERE RIGHT ABOUT HEDGES ATTRACTING BIRDS

I WANTED YOU TO SEE FOR YOURSELVES. BUT SINCE YOU HAVE YOUR CAMERA SET UP SWING IT OVER TOWARD THE WOODS. USE YOUR TELEPHOTO LENS AND SEE IF YOU CAN CATCH SOME DEER FEEDING THERE



GOT IT! THAT LENS SURE BRINGS THEM UP CLOSE



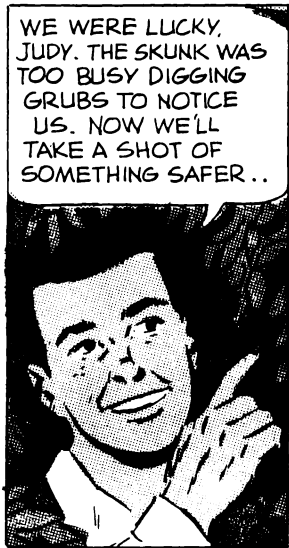
NICE WORK, TOM. NOW, WHY DON'T YOU AND JUDY MAKE A BLIND IN THIS THICKET? IF YOU SIT THERE VERY QUIETLY, YOU MAY SEE ALL KINDS OF BIRDS AND ANIMALS!

THAT'S A GREAT IDEA!



NOW WE ARE ALL SET...

I SAW SOMETHING MOVE! MOVE TOM! GET YOUR CAMERA READY!



WE WERE LUCKY, JUDY. THE SKUNK WAS TOO BUSY DIGGING GRUBS TO NOTICE US. NOW WE'LL TAKE A SHOT OF SOMETHING SAFER...



"LIKE A ROBIN'S NEST!"

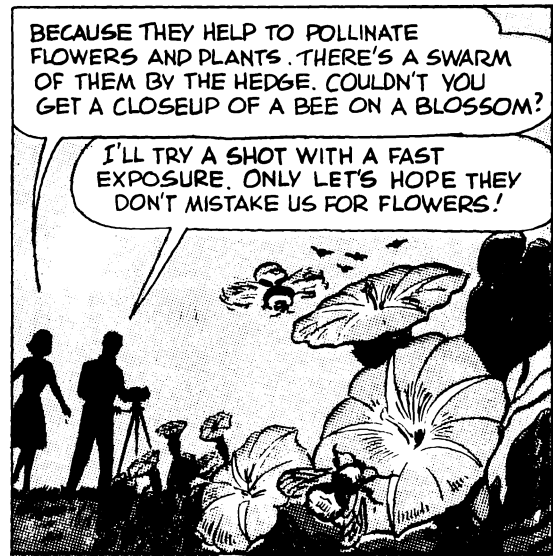
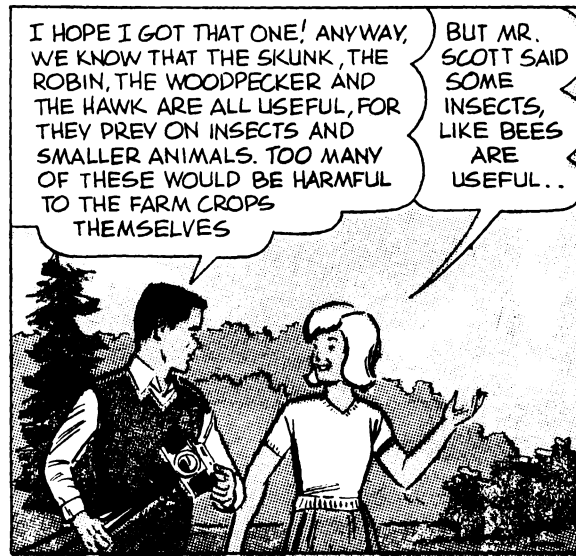


LOOK UP THERE, TOM

TAP!  
TAP!

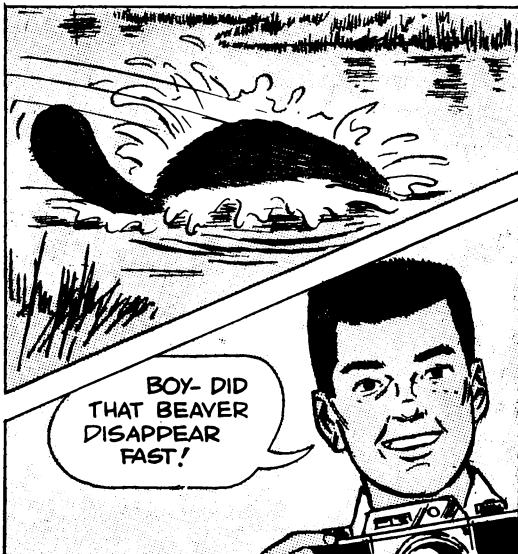


AND THAT'S A DANDY, TOO!





THERE ARE THE BEAVER PONDS. CREEP UP CLOSE, TOM. BUT QUIETLY IF YOU HOPE TO SURPRISE THEM



BOY- DID THAT BEAVER DISAPPEAR FAST!



NOW FOR SOME SHOTS OF THE BEAVER DAM AT DIFFERENT ANGLES

ARE BEAVERS USEFUL, MR. SCOTT?

YES, THEIR DAMS HELP CHECK EROSION IN THE STREAM CHANNEL



WE'D BETTER RIDE BACK, NOW. THERE'S A STORM COMING UP AND WE'LL JUST ABOUT GET HOME AHEAD OF IT!



DO BIRDS AND ANIMALS SUFFER IN BAD WEATHER?

NOT FROM A GENTLE SUMMER RAIN LIKE THIS, JUDY. MOST OF THEM GO INTO HOLES OR OTHER SHELTERS. COLD SPRING RAINS ARE HARDEST ON WILDLIFE



"WHEN WINTER COMES, THERE IS A REAL FOOD PROBLEM. THE GROUND FREEZES SO THAT EARTHWORMS AND GRUBS CAN'T BE SCRATCHED OUT. GRASS AND WEEDS ARE COVERED OVER BY SNOW"

"WHEN THE SNOWS COME BIRDS HAVE A HARD TIME FINDING ANYTHING TO EAT. BY LEAVING SOME GRAIN UNHARVESTED..."



"AND LETTING WEEDS AND GRASS GROW UP TALL IN THE THICKETS, SOME SEEDS ARE SAVED FOR BIRDS ABOVE THE SNOW. BERRY BUSHES PLANTED IN HEDGES AND FENCE ROWS HOLD THEIR FRUIT ON INTO THE WINTER..."



BUT THIS HAS TO BE PLANNED. HAVING FOOD AND SHELTER AVAILABLE ALL THROUGH THE YEAR IS THE PRINCIPAL KEY TO AN AMPLE WILDLIFE CROP



THE NEXT DAY MR. SCOTT SHOWS HIS GUESTS THE 20 ACRE DUCK MARSH HE HAS DEVELOPED...



THIS IS MORE VALUABLE FOR THE DUCKS AND MUSKRATS IT PRODUCES THAN IF I HAD DRAINED THE OLD MEADOW AND PLANTED CROPS

I'VE BUILT DIKES AND DITCHES TO CONTROL THE WATER LEVEL AND WE'VE PUSHED UP THOSE SMALL ISLANDS WHERE THE DUCKS CAN NEST AND LOAF IN SAFETY



WE PLANT FOOD FOR DUCKS AND CUT LEVEL DITCHES FOR THE MUSKRATS. THE EDGES OF THE MARSH ATTRACT UPLAND GAME



JUDY HELPS MR. SCOTT CHECK THE NESTING BOXES FOR WOOD DUCKS' EGGS...



THESE SPECIALLY DESIGNED NESTS ARE SAFE FROM RACCOONS AND OTHER CREATURES THAT MIGHT EAT THE EGGS BEFORE THE YOUNG DUCKS CAN HATCH

THAT NIGHT AT THE SUPPER TABLE "SEMINAR"...

ONE PRINCIPLE UNDERLIES ALL THAT WE'VE TALKED ABOUT. YOU'VE SEEN THINGS IN HODGE-PODGE FASHION, BUT DIRECTLY OR INDIRECTLY, ALL THE ANIMALS, PLANTS AND INSECTS DEPEND ON ONE ANOTHER FOR THEIR EXISTENCE

NOW THAT YOU MENTION IT I GUESS THEY DO...

OAK TREES NEED THE RIGHT KIND OF SOIL AND THE RIGHT AMOUNT OF WATER. A SQUIRREL EATS THE ACORNS... A HAWK EATS THE SQUIREL...

AND I MAKE A LIVING RENTING ROOMS AND CAMPSITES TO PEOPLE WHO COME TO LOOK AT THE HAWK

BUT NOT TO SHOOT HAWKS

NO, WE HAVE GOOD SPORT SHOOTING PHEASANTS, DOVES, QUAIL AND DUCKS AT THE RIGHT SEASON...

" BUT I WARN HUNTERS NEVER TO SHOOT A HAWK, SINCE HAWKS ARE USEFUL IN CONTROLLING RODENTS, WE PROTECT THEM "

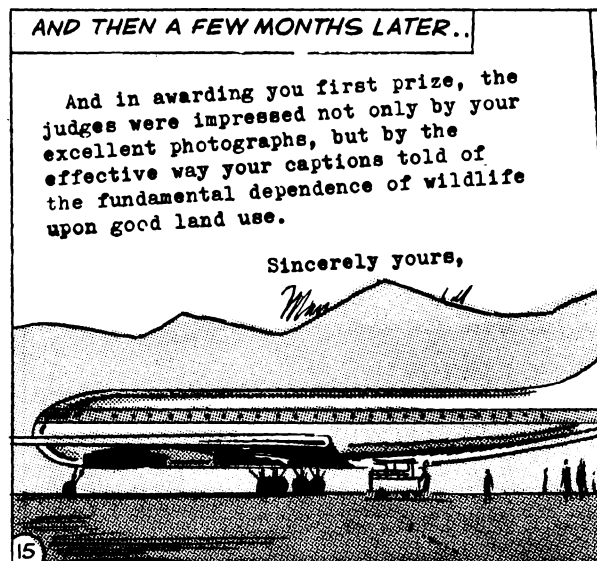
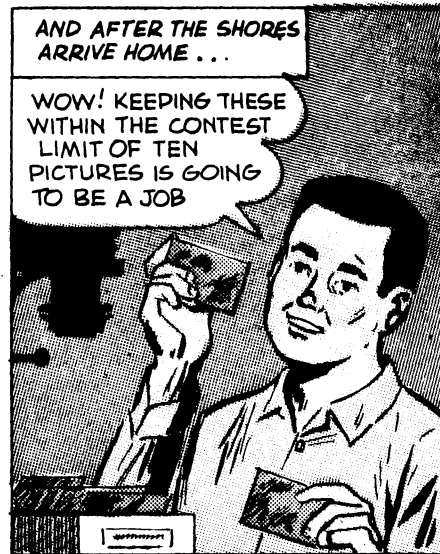
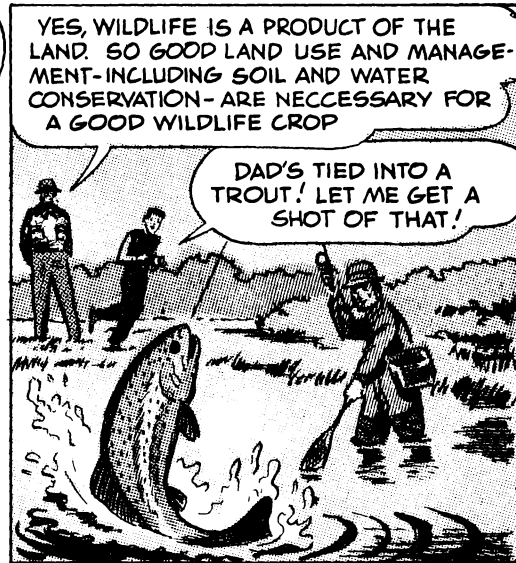
PLANTS AND ANIMALS IN THEIR COMMUNITIES ARE LIKE PEOPLE IN THEIRS - LAWYERS, DOCTORS, BUSINESS MEN, AUTO MECHANICS AND SCHOOL TEACHERS, ALL DEPEND ON EACH OTHER

THE NEXT MORNING...

I NOTICE YOU'VE FENCED THE STREAM TO KEEP CATTLE AND HORSES FROM GRAZING...

YES, THIS DENSE BRUSH AND GRASS PREVENTS EROSION THAT WOULD MAKE IT LESS SUITABLE FOR FISH

THE BRUSH MAKES SHADE WHICH KEEPS DOWN WATER TEMPERATURE. TROUT CAN'T LIVE IN WARM WATER. THEY NEED COOL POOLS, LIKE THIS ONE WHERE YOUR DAD IS FISHING





# YOU MAY JOIN



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