HARD FARE.

deep snows and zero weather for nearly three months-proves especially trying to the wild of the crows, who watched them from the creatures that attempt to face it. The supply near trees, but dared not venture up. of fat (or fuel) with which their bodies become stored in the fall is rapidly exhausted by that the jay hoards up nuts for winter use has the severe and uninterrupted cold, and the probably some foundation in fact, though one sources from which fresh supplies are usually obtained are all but wiped out. Even the stores so that they would not be pilfered by fox was very hard pressed and reduced to the the mice and the squirrels. An old hunter unusual straits of eating frozen apples; the told me he had seen jays secreting beechpressure of hunger must be great, indeed, nuts in a knot-hole in a tree. Probably a red to compel Reynard to take up with such a squirrel saw them too, and laughed behind diet. A dog will eat corn, but he cannot his tail. One day, in October, two friends of digest it, and I doubt if the fox extracted any- mine, out hunting, saw a blue jay carrying off thing more than the cider from the frozen chestnuts to a spruce swamp. He came and and thawed apples. They perhaps served to went with great secrecy and dispatch. He amuse and occupy his stomach for the time. had several hundred yards to fly each way, The crows appeared to have little else than but occupied only a few minutes each trip. frozen apples for many weeks; they hung The hunters lay in wait to shoot him, but so about the orchards as a last resort, and, after quickly would he seize his chestnut and be scouring the desolate landscape over, would off, that he made more than a dozen trips return to their cider with resignation, but not before they killed him. It is a great pity with cheerful alacrity. They grew very bold they did not follow him to the swamp and at times, and ventured quite under my porch, discover where he deposited his booty, and and filched the bones that Lark, the dog, had how much he had accumulated. left. I put out some corn on the wall near of coming at the soil and obtaining gravel-stones, which, in such cases, are really the mill-stones, may also have something to do with it. pression has always been that in spring and time of scarcity." summer they will also pick up any chance as I observed them the past winter, they and secreting any surplus food it may chance devouring it. This is the manner of the jays of winter scarcity. also. The jays, perhaps, had a tougher time their mill-stones were dull and needed re- branch, filled with pods, lay upon the snow, it

Such a winter as was that of 1880-81 - placing. They reached the corn through the opening between the slats, and were the envy

> The general belief among country-people is at a loss to know where he could place his

A lady writing to me from Iowa, says: "I by, and discovered that crows will not eat must tell you what I saw a blue jay do last corn in the winter, except as they can break winter. Flying down to the ground in front up the kernels. It is too hard for their gizzards of the house, he put something in the dead to grind. The difficulty, during such a season, grass, drawing the grass over it, first on one Corn that has been planted and has sprouted, tory. After he had flown away, I went out to crows will swallow readily enough, because it see what he had hidden; it was a nicely is then soft, and is easily ground. My im- shucked peanut that he had laid up for a

It would seem, therefore, that the jay has kernels the planters may have dropped. But, the habit of all the crow-tribe, of carrying off always held the kernel under one foot upon to have, and it is not improbable that these the wall, and picked it to pieces before hoardings sometimes help it over the period

A bevy of quail in my vicinity got through during the winter than the crows, because the winter by feeding upon the little black they do not eat fish or flesh, but depend beans contained in the pods of the common mainly upon nuts. A troop of them came locust. For many weeks their diet must have eagerly to my ash-heap one morning, which been almost entirely leguminous. The surface had just been uncovered by the thaw, but snow in the locust-grove which they frequented they found little except cinders for their was crossed in every direction with their fine gizzards, which, maybe, was what they tracks, like a chain-stitch upon muslin, showwanted. They had foraged nearly all winter ing where they went from pod to pod and upon my neighbor's corn-crib, and probably extracted the contents. Where quite a large

looked as if the whole flock had dined or forethought of the rascally squirrel. His supbirds and the fowls do during such winters, if the trees and the shrubs and plants all dropped their fruit and their seeds in the fall, as they do their leaves? They would nearly the pods that hang to the lowest branches, But the squirrels in this particular locality which side my bread was buttered. evidently got pretty hard up before spring, (cambium layer) between the bark and the is very open and mild. wood. The ground was covered with frag-

the road-side, and could but smile at the wise affect the supplies of the rabbit. The deeper

breakfasted off it. The wind seemed to shake plies were probably safer that way than if down the pods about as fast as they were more elaborately hidden. They were well needed. When a fresh fall of snow had blot- distributed; his eggs were not all in one ted out everything, it was not many hours basket, and he could go away from home before the wind had placed upon the cloth without any fear that his store-house would another course; but it was always the same be broken into in his absence. The next old course-beans, beans. What would the week, when I passed that way, the nuts were all gone but two. I saw the squirrel that doubtless laid claim to them, on each occa-

There is one thing the red squirrel knows all perish. The apples that cling to the trees, unerringly that I do not (there are probably several other things), that is, on which side of and the seeds that the various weeds and the butternut the meat lies. He always gnaws grasses hold above the deepest snows, alone through the shell so as to strike the kernel make it possible for many birds to pass the broadside and thus easily extract it, while to winter among us. The red squirrel, too, what my eyes there is no external mark or indicawould he do? He lays up no stores like the tion, in the form or appearance of the nut, as provident chipmunk, but scours about for there is in the hickory-nut, by which I can food in all weathers, feeding upon the seeds tell whether the edge or the side of the meat in the cones of the hemlock that still cling to is toward me. But, examine any number of the tree, upon sumac-bobs, and the seeds of nuts that the squirrels have rifled, and you will frozen apples. I have seen the ground, under find they always drill through the shell at the a wild apple-tree that stood near the woods, one spot where the meat will be most excompletely covered with the "chonkings" of posed. It stands them in hand to know, and the frozen apples, the work of the squirrels in they do know. Doubtless, if butternuts were a getting at the seeds; not an apple had been main source of my food, and I were compelled left, and, apparently, not a seed had been lost. to gnaw into them, I should learn, too, on

A hard winter affects the chipmunks very for they developed a new source of food- little; they are snug and warm in their bursupply. A young bushy-topped sugar-maple, rows in the ground and under the rocks, with about forty feet high, standing beside a a bountiful store of nuts or grain. I have stone fence near the woods, was attacked, heard of nearly a half-bushel of chestnuts beand more than half denuded of its bark. The ing taken from a single den. They usually object of the squirrels seemed to be to get hole in November, and do not come out at the soft, white, mucilaginous substance again till March or April, unless the winter

The woodpeckers and chickadees, doubtments of the bark, and the white, naked stems less, find food as plentiful during severe winand branches had been scraped by fine teeth. ters as during more open ones, because they When the sap starts in the early spring, confine their search almost entirely to the the squirrels add this to their scanty supplies. trunks and branches of trees, where the lat-They perforate the bark of the branches of ter pick up the eggs of insects and various the maples with their chisel-like teeth, and microscopic tidbits, and where the former suck the sweet liquid as it slowly oozes out. find their accustomed fare of eggs and larvæ It is not much as food, but evidently it helps. also. An enamel of ice upon the trees alone I have said the red squirrel does not lay puts an embargo upon their supplies. At such by a store of food for winter use, like the seasons the ruffed grouse "buds" or goes chipmunk and wood-mice; yet in the fall he hungry; while the snow-birds, snow-bunting, sometimes hoards in a tentative, temporary Canada sparrows, goldfinches, shore-larks, and kind of way. I have seen his savings - red-polls are dependent upon the weeds and butternuts and black walnuts-stuck here grasses that rise above the snow, and upon and there in saplings and trees, near his nest; the litter of the hay-stack and barn-yard. I sometimes carefully inserted in the upright have never seen the shore-lark in my localfork of a limb, or twig. One day, late in ity, and only one season the red-poll; but the November, I counted a dozen or more black former bird has been common the past winter walnuts put away in this manner in a little in other parts of New York State. Neither do grove of locusts, chestnuts, and maples, by the deep snows and the severe cold materially

the snow the nearer he is brought to the tops of the tender bushes and shoots. I see in my walks where he has cropped the tops of the small, bushy, soft maples, cutting them slantingly as you would do with a knife, and quite as smoothly. Indeed, the mark was so like that of a knife that, notwithstanding the tracks, it was only after the closest scrutiny that I was convinced it was the sharp, chisellike teeth of the rabbit. He leaves no chips, and apparently makes clean work of every

twig he cuts off.

The wild or native mice usually lay up stores in the fall, in the shape of various nuts, grain, and seeds, and the frost and the snowblockade seem to interfere very little with their enjoyment of life. One may see their tracks everywhere in the woods and fields, and by the road-side. Why they gad about so much, having a full larder and a warm nest at home, is a mystery. Doubtless the motive is sociability and the delights of travel. The deer-mouse is much more common along the fences and in the woods than one would suspect. One winter day I set a mouse-trap the kind known as the delusion trap-beneath some ledges in the edge of the woods, to determine what species of mouse was most active at this season. The snow fell so deeply that I did not visit my trap for two or three weeks. When I did so, it was literally packed full of deer-mice. There were seven in all, and not room for another. Our woods are full of these little creatures, and they appear to have a happy, social time of it, even in the severest winters. Their little tunnels under the snow and their hurried strides upon its surface may be noted everywhere. They link tree and stump, or rock and tree, by their pretty trails. They are not traveling in quest of food,—for they generally have a well-filled granary or nuttery at home, - but evidently for adventure and to hear the news. They know that foxes and owls are about, and they keep pretty close to cover. When they cross an exposed place, they do it hurriedly.

Such a winter as that of 1880-81 probably destroys a great many of our half-migratory in the Border States, where so many species, like the sparrows, robins, blue-birds, meadowseason. A great many birds are said to have busy and heard their merry voices.

died in New Jersey and Pennsylvania, including game-birds. A man in Chester County saw a fox digging in the snow; on examining the spot, he found half a dozen quails frozen to death. Game-birds and nearly all other birds will stand the severest weather if food is plenty; but to hunger and cold both the

hardiest species may succumb.

Meadow-larks often pass the winter as far north as Pennsylvania. A man residing in that State relates how, in the height of the severest cold, three half-famished larks came to his door in quest of food. He removed the snow from a small space, and spread the poor birds a lunch of various grains and seeds. They ate heartily and returned again the next day, and the next, each time bringing one or more drooping and half-starved companions with them, till there was quite a flock of them. Their deportment changed, their forms became erect and glossy, and the feeble mendicants became strong and vivacious birds again. These larks fell in good hands, but I am persuaded that this species suffered more than any other of our birds the past winter. In the spring they were unusually late in making their appearance,—the first one noted by me on the 9th of April,—and they were scarce in my locality during the whole season.

Birds not of a feather flock together in winter. Hard times or a common misfortune makes all the world akin. A Noah's ark with antagonistic species living in harmony is not an improbable circumstance in such a rain. In severe weather, when the snow lies deep on the ground, I frequently see a loose, heterogeneous troop of birds pass my door, engaged in the common search for food; snow-birds, Canada sparrows, and goldfinches, on the ground, and kinglets and nut-hatches in the tree above,-all drifting slowly in the same direction,—the snow-birds and sparrows closely associated, but the goldfinches rather clannish and exclusive, while the kinglets and nut-hatches keep still more aloof. These birds are probably not drawn, even thus loosely together, by any social instincts, but by a common want; all were hungry, birds. The mortality appears to be the greatest and the activity of one species attracted and drew after it another and another. "I will look that way too," the kinglet and creeper larks, kinglet, etc., usually pass the cold probably said, when they saw the other birds

John Burroughs.