to no bird,-if indeed any moral quality what-berack, in which the bird had inserted about a ever can be discovered in their actions. It is hundred live grasshoppers, and wedged them true that a car tortures a mouse, and seems to in so firmly that they could not escape. Some delight in inflicting pain. I cannot but be-farmers showed him other posts which had lieve, however, that the cat is unconscious of been put to the same purpose. This was the mouse's misery; that what she enjoys is certainly a laying-up of stores for future use. not the suffering of her victim, put the exer-cise of her natural powers. Excessive destrue-later began to eat his heard, and that at length tiveness, as when cats or weasels kill more only a few shrivelled dead hoppers were left. animals than they can devour, is very frequent; Wilson has observed, furthermore, that Javs but it implies neither cruelty (in a moral and Shrike's retain similar habits in confinesense) nor mere wantonness; it is a legitimate ment; the Jay filling every seam and chink result of their rapacious nature, and for the in his eage with grain and bread-crumbs, and rest, the animals may have a natural preter- the Shrike 'nailing' meat, insects and the ence for some part of their prev, as the blood! bodies of such birds as may be thrown to him. or brains, to secure enough of which they take I have had my doubts in this matter; and more lives than they would it they fed upon still, after observing Shrikes carefully in the whole of the flesh. In the case of the various parts of the country, must admit that Shrike, moreover, it is certainly the rule that the matter is not finally narrowed down to a the bodies are impaled after death, not while simple question of boarding. Too many still struggling in the clutches of the captor, bodies are stuck up, too promisenously, and and the analogy of the Shrikes shambles to consider it simply as a piece of the bird's the storehouses of various birds is too obvious thrift. I suppose the habit of impaling, to have escaped attention. I think the right considered simply as such, and without referclue to the enrious habit is thus found, ence to ulterior purposes subserved, may have mice and squirrels. Among those of this country, birds of the Corvine tribe, as Crows and Jays, are conspicuous in this respect. The theirishness of the Raven and Magpie in confinement is notorious; but it is simply the excessive development or perversion of their habit of hoarding food that makes them steal and hide away articles of no possible use to them, such as jewellery and silverware.

The Californian Woodpecker others another notable instance of stowing up food, as it does with infinite pains. I have seen branches of trees studded thickly with acorns, each stuck tightly by itself in a little hole bored by the bird for its reception. In other instances, the same bird has been known to insert acorns in the natural crevices of wood. These facts relate indeed only to the hearding of fruits or inanimate objects; but we see a still closer resemblance to the habit of the Shrikes in the curious practice of the Red-headed Woodtraits has just been told by Mr. H. B. Batley, grasshopper as to stick one. He spits his vicof New York. This writer narrates* that a time as often when food is plenty as when it is correspondent of his observed a Woodpecker's scarce; and the majority of the bodies gibbetexamination was found to present a large eaten up by the bugs. On one occasion, when

Analogy goes for something in natural history; too few are made use of afterward, for us to Many birds lay up stores of provisions, like been gradually acquired as the result of the Shrike's physical organization-the relatively little torce of grasping with his feet he possesses, in comparison with the power of his beak. The talons of a Hawk, for example, are very effective instruments, not only for striking and killing prey, but also for holding it while it is torn by the beak. The Shrike has much less prehensile power; it strikes with the beak, and devours as best it may, A Nuthatch, for example, will take an acorn to a crack in the back, and wedge it there while it hammers away at it with the bill. Such a habit of fastening its prey having been acquired, as something entirely unconnected with the storing up of provisions, may then have been turned to account as a means of securing its prey for future use, and thus become the usual way of making a hoard. It is certain, however, that the Shrike makes no great use of his larder; and that he sometimes impules and sometimes not, apparently pecker, a versatile bird, one of whose singular at his caprice. He is just as likely to cat a frequent visits to an old oak post, which on ed are left to wither and be blown away, or be I watched a Shrike closely for some time, I * Bull. Nutt. Ornith. Club, iii. no. 2, April, 1878, p. 97. | saw him impule a number of grasshoppers in