tion, behavior, ete., etc. Like the use of the binoculars, bird-banding might be termed another improved method of study and like nomenclature it must be regarded as a means, not an end, of zoölogical science. It will lee in the next generation that birdhanding will come into its own, when sufficient returns are on record to work out definitely lines of migration and kindred things, but there are meanwhike mumerons problems that are being woked out even now with most sutisfactory resultes. Furthermore, there are all sorts of side lines being carried along with the bird-handing activities, increased cooperation with organizations dealing with bird conservation, spreding of the popular interest in bird study and, most important of all, a definite plan for ornithological education. 'This is a novel idea, and one with great possibilities. We have, I fear, hern too prone in the past to consider the ornithologist born and not made, and to let the young student educate himself. Bird-banding, attracting attention as it does from an entirely new angle, naturally draws its devotees to a large extent from new dasses or groups never before interested in ornithology, They look upon the older ornithologists, I fear, as a precious lot of conservatives, and mang of our methods as antiquated; and in many cases they are right, and the remedies and innovations which they properse should be welcomed. They all tend to strengthen the interests that we all have at heart and make for a broader and better ornithology. Bird-banding is going to be a bier part of the ornithology of tomorrow."

## 

bi A. W. madins
1)triva 1924 only one puir of Bluchirds (sialia s. sialis) nested on my farm at lack (Middhboro), Massachusetts. This pair arrived together, mated, on liel). $2 \overline{7}$ thand spent the next four or five werks in making up their minds which bird-house suited them hest. Nest-building began ahout April 15th. The first set numhered five cggs, all of which hateled, the young leaving the nest on May eth. These were all banded except one-numbers 71946-7.8 !. The parents wear bands 71944 (古) and 71950 ( 7 ). The old birds remained with the young until they could care for themselves, and then a second nest wats built in which four eggs
were laid. The nest, however, was immediately deserterl and nest number three was built, from which four youngsters, bearing bands Nos. 2438(2-3-4-5, flew away on August Sth. While the old hirds were engaged in incubation and the care of this secomd bromel. the first brood kept together neur the house and was visited oceat siomally ly the male parent.

For about a week after the second brood left the nest the entire eleven hirds were commonly seen together all babled exeept one, and about Jugust lith they disappeared for approximately one month, when, to my surprise, eleven Bluehirds suddenly appeared, ten of which were banded, and remained about the premises until November 5, when they again disappared, this time for the season, I beliceere as a fanily gromp. During their month:s absence (August listh to Septeminer lith) all the hirds had assumed their winter phanage.

The evidence in support of the belief that the eleven hirds appearing at the farm on September lith were my two parent birds and their nine young is as follows:-
(1) There was only one pair of nesting hirds of this species on my place during the seasom of 1924 and they raised nine young, all of which were hatuded lout one.
(2) No mubanded Bluch,irds were seen on the farm during 1924 of whose history 1 am uncertain with a single exception, a bird trupped on October 7th, which almost certainly was the member of brood No. 1 that escaped when I bamded the other four. This birl now wears band 13782 4 .
(3) The mearest batuded Bluelirds known to me Ixesides my own wore at a handing station at least six miles away.
(4) 'Iher fuct that on Getoher Sth I trapped at repeat from the necond broom, No. 2 lisetis, und that on (octoler loth I took as at repeat No. 243864 , also a member of the second bresel.
(5) The constancy of the occurrence of the same number of birds at appropriate times in the season and the fact that no unbanded birds appeared with them at any time except as stated.

At no time has the number of Bluehirds excerded eleven, and it is suggestive that the precailing division of the hirds, when not all together, was in groups of two, four, and five, which indicates that the two broods remained as sub-units in the family group.

The above data appear to show, among other things, that even some of our most highly organized birds, the Turdiduc, have the habit of maintuining a family organization which may exist through the nesting and molting seasons and the fall months in part, a period of alout six months, and that, as such a group, they started sonthward to their winter home.

In the matter of nest-building a considerable variety of material was used in the three nests built. Nest No. 1 was composed mainly of the inner bark of a dead chestnut tree. Nest No. 2 was made of grass, lined with a finer grass, and the last nest was constructed of white pine needles and grass, lined with feathers. All these nests were placed within one hundred feet of my house and within one hundred feet of one unother.

## shalloolonization of veeries

## HY KATHERINF: ('. HARDING

Iast summer 1 stayed atacmp mar Lake Aspuam, New Hampshire.(five and one half miles from the town of Meredith) from June Th until the 12thof July lart of the time Mr. Marding was there and worked with me in landing flevgelings and in stodying the hirds nesting in our vicinity. During this period a large number of nests of the Veery (IIylowichla fuserserms fusceserns) were found, and an attempt was makle to locate all their nests in a limited area of appoximately three acres.
'This area is generally trecemered, hillside land, with occasional openings, sloping gradually mortherly to the lake. Mountain laurel (Kalmia latifolia) oecurs well distributed over the tract, but much more plentifully on about one third of the area which is heavily worled with deciduous trees, among which the beech is prominent, with large pines occurring occasionally. Bencath these is a nearly continuous growth of mountain laurel through which it is most diflicult to forer one's way. The laurel nuerages from eightern inches to twenty-five inches in height. Certain patches of it are thrie or four feet high. As a whole the three acres are fairly dry and well-drained, but close to the water a narrow zone parallel to the shore occurs that in a wet season is douhtless somewhat swampy.

