

He thinks starvation plan the best way to handle it. When it gets in a locality in the south it is there to stay and continues to spread, the winters not being cold enough to freeze out the wild bees which are very numerous in that climate.

Mr. D. M. Bailey, of Adair Co., reported for his locality, losses of bees last winter very heavy, and the crop of honey for the season very light.

Mr. Geo. M. Thompson, of Greenie Co., put away 14 colonies last fall. All wintered through but lost heavily by spring dwindling. He reported the honey crop light.

Mr. Wm. Kimbell, of Clinton Co., put 160 colonies in a bee house last fall, lost one in the winter and three after setting them out. His bee-house was partly underground. He has increased to 200 colonies in good condition; he managed them for comb honey and reports a light crop.

Mr. O. O. Poppleton, of Clusican Co., packed out of doors last fall 235 colonies; 110 came through this spring in good shape and he increased to 200 colonies. He reports about two-thirds average crop of extracted honey. He also reports a general loss of bees for the county, about 25 per cent. out door packed and 56 per cent. in cellars.

Dr. Orin asked "Will the age of bees affect the wintering of colonies?" He gave some of his experience with old bees and thinks there is not much difference.

Mr. Poppleton thinks it only affected them in the spring after taking them out, when the weather is cold enough to retard the rearing of brood.

Mr. Tracey thinks when the queen stops laying early, the bees will come out in the spring in poorer condition than when she keeps up her share of the work until October. Meeting adjourned to meet at 2 o'clock p. m.

AFTERNOON SESSION.

Roll call of members present and new members enrolled, Geo. W. Thompson, of Grand Junction, D. C. Smoke, of Grinnist, C. R. Hunt, of Waterloo, H. E. Hubbard, of Laport City, R. R. Yerson, of Wilton, John Bird, of Bradford, L. A. Butler, of Nashua, the two last names were handed in, and were not present, L. W. Britenbender of

Knoxville, Wm. Dewitt and Wilson Sherman, of Cluster Centre. Report of treasurer, Mr. Thos. Smick, cash on hand last meeting \$12.99 membership fees \$24.00 total \$36.99 Disbursements, one wire message to the Sec, 25cts. bal, on hand \$36.74, report accepted. Annual election of officers, Mr. O. O. Poppleton was elected president by ballot, Mr. D. C. Smoke, Vice Pres., by acclamation, Sec, A. J. Norris, the Tres, Mr. Smick was re-elected. The executive committee were instructed to purchase a tent, also to use their judgment as to size, kind, quality &c, for next season's meeting. Rev. O. Clute, Wm. Kimble and A. J. Norris, were chosen as a committee to arrange a standard of excellence for honey and bees, and to bring the same before the State board of Agriculture, at their annual meeting this winter. The members then took up an old problem, Shallow or deep frames, Mr. Tracey using a frame eight inches deep. Mr. Kimbell uses frames eleven inches deep, nine in a hive; he prefers more honey in the brood nest. Mr. Hunt said he had used the American and Langstroth frames but preferred a frame ten inches deep, ten in a hive, both for comb and extracted honey.

Mr. Bittenbender thinks there should be a standard frame for extracted honey, also one for comb honey. Mr. F. G. McGan, from Ill, a former student of Rev. L. L. Langstroth said undoubtedly the deep frame was best to winter bees on, but one deeper than the L. frame would be detrimental to the production of comb honey; he advised all dealers to use only the L. hive for it was taking the place of all others, all over the country. He said a hive holding 63,000 cells was just right, a prolific queen would lay 3,000 eggs in twenty-four hours, and that would keep each hive full.

Dr. Oren explained his mode of Wintering. He sets his (L) hives at an angle of forty-five degrees in rows along the cellar, and puts on planks, then another row and so on until the cellar was full. He said the advantages were, it made a deep frame out of a shallow one, and when a bee died she would roll out instead of being carried out by a live healthy bee to perish on the cellar bottom with her dead sister. Several spoke in short on the question