

from British Columbia and the Pacific states to demonstrate their methods of packing in boxes. It is expected that the demonstrations and addresses by Mr. F. G. Earl, of Lytton, B.C., who has been in Ontario and

the maritime provinces this fall, will be productive of much good. While only a few localities can be covered by one man, the lessons learned at these will radiate to surrounding districts.

Important Pomological Problems Discussed

ORCHARD cultivation, varieties, packing and packages, sulphur sprays and many other important topics were discussed at the 31st biennial conference of the American Pomological Society, which was held at St. Catharines, Ont., on Sept. 14 to 17. The coming of this society to Canada was an honor and a benefit to the fruit industry and the fruit growers of this country. It was a business conference from start to finish. Delegates were in attendance from all parts of the United States and a few from Ontario and Quebec. A larger local attendance was expected but exceedingly hot weather at the time of the conference caused peaches on farms in the neighborhood of St. Catharines to ripen so rapidly that the growers could not leave their farms.

The programme covered a wide range of subjects. Space in this issue of THE CANADIAN HORTICULTURIST will not permit a detailed report of all the addresses and discussions. Only a few of the most important can be mentioned this time.

DR. BAILEY'S MESSAGE.

At the opening session, Dr. L. H. Bailey, of Cornell University, delivered a powerful address on "The Satisfactions in Raising Fruits." The speaker pointed out that in the hustle of commercial fruit growing we are apt to forget the old spirit of horticulture, when men grew and studied fruits for the love of them. He referred to the work of leading horticulturists of days long gone

by, and of days but recently past. He spoke of the admiration that we should have for good fruits and good fruit trees. We must have an intellectual interest in these things. His message was all the more necessary, he said, because we are so immersed in the affairs of this busy and commercial time. He pleaded for the cultivation of those qualities of mind that find an intellectual satisfaction in fruits because they are fruits. When we have the spirit of the amateur, combined with the busy zeal of the commercial fruit grower, we will then have the full man.

DEMONSTRATION ORCHARDS.

At one of the sessions, Prof. F. C. Sears, Amherst, Mass., told of "Demonstration Orchards for New England." He emphasized the importance of correct methods of demonstration. He referred to the model orchard plan in Nova Scotia. The area of these is only two acres, which the speaker said should be enlarged to 10 acres, in cases where similar orchards are required for demonstration work on a commercial basis. Some of the lessons that can be taught by these orchards are: 1, Proper methods of laying off and planting the orchard; 2, proper methods of pruning; 3, right kinds of fertilizers and how to apply them; 4, how to prepare and to apply spray mixtures; 5, cultivation and the use of orchard implements. Demonstrations should be carried on for at least 20 years in the same orchard.

"Commercial Demonstration Orchards in College Work" was dealt with by Prof. W. S. Blair, of Macdonald College, Que. He stated that, as the college orchard had been planted only a short time, not many results can yet be given. One example of the value of the work was mentioned in the case of some experiments in different methods of cultivation. In a plot where the sod had not been disturbed, a moisture determination showed the soil to contain 6.11 per cent. of moisture; in the mulched plot, 16 per cent.; and in the cultivated plot, 20 per cent. The college is investigating the influences of covered crops on winter injury and on the ripening of wood.

FRUIT PACKING AND MARKETING.

One of the sessions was devoted to fruit packing and marketing and was in charge of Mr. A. McNeill, Chief, Fruit Division, Ottawa. The chief referred briefly to the co-operative fruit growers' associations of Canada. He said that the best one is the St. Catharines Cold Storage and Forwarding Co. There has been much progress in co-operation in the past 15 years. "Box Packing" was dealt with by Dr. S. W. Fletcher, of Blacksburg, Va. A paper on "Co-operation in Fruit Products" by Mr. J. B. Dargitz, Campio, Cal., was read at the meeting. Robt. Thompson, St. Catharines, also discussed this question. These will be published later.

In a paper on "Co-operative Marketing," Mr. W. H. Reid, of Tennent, N.J., told of an organization in his state, only one and a half years old, which has been most successful. He cited an instance where the organization had prevented a crash in the market. On July 30th, the manager had 35 cars of potatoes on the track and for sale. He knew from reports of the conditions in New York that there was danger of breaking the market. To prevent this he told

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