

Weather Science to Tame Destructive Ice and Hail

There is a very good possibility that destructive hailstorms may be eliminated in the future, and serious ice storms may be "tamed" in winter, according to snow-and-rain-making scientists, National Patent Council reports.

By introducing large quantities of ice nuclei at and above the freezing level in high cumulus clouds, hail particles would be unable to grow to any considerable size, according to Vincent J. Schaefer, consultant to "Project Cirrus," a weather research program, being conducted by the army signal corps and office of naval research.

There is evidence that the serious ice storms of last winter resulted from formation of rain in supercooled clouds, according to Schaefer. Under such conditions, it should have been possible to convert all this rain to snow. It is unlikely that the inconvenience and traffic trouble produced by an increase in snowfall would be as great as that caused by icy streets, broken power, light and telephone wires, and the breakage of shade and fruit trees.

Not all ice storms can be related to supercooled clouds. In Schaefer's opinion, but last winter's storms point out the importance of knowing more about such situations and having facilities to cope with them when the situation could stand improvement.

Rich Gold and Ore Veins Discovered in Australia

Two rich gold strikes and the discovery of scheelite deposits are reported from Perth, Western Australia. Selected ore taken from a claim at Parker's Range yielded 65 ounces 17 pennyweights of gold from three hundredweight of stone. A total of 300 ounces has been taken from this reef.

The second strike is reported in the Kalgoolie district on property adjoining the new Kalgoolie gold mines in which capital was subscribed in a few minutes when made available for public subscription. A large body of stone 38 feet wide which assayed over an ounce of gold to a ton at a depth of 54 feet was uncovered.

At Kalgoolie, hub of the Australian gold mining industry, a seam of scheelite has been found a mile and a half away from the famous "Golden Mile." It is the first discovery of this mineral in that area. The scheelite was found in a deposit of quartz. Specimens from the seam subjected to tests disclosed scheelite in fairly large quantities.

Entire Village Sold

The English village of Castle Combe, recently sold at auction, grew almost literally out of nearby stone quarries, says National Geographic society. Its old gabled stone houses with their mullioned windows are even roofed with stone. From birth this Wiltshire village had belonged to the lord of the manor, the best known of whom was Sir John Fastolf in the 15th century, caricatured in Shakespeare's Falstaff. He had married the widow of Sir Stephen Scrope, whose family had owned the estate for 500 years. Castle Combe's once flourishing textile mills are gone and its population is greatly reduced. It owed its industrial prosperity largely to power from the river flowing swiftly through the richly wooded valley. This was once a thriving market town, where Wiltshire farmers sold their produce at the market cross in the village square. The upper story of the market house was used as a sort of guild hall.

Form Hospital Districts

Hospital districts similar to school districts are being established in California in counties of less than 200,000 population. The districts need not stay within county lines but may include areas contiguous to centers selected for the building of hospitals. County tax rate at not more than 20 cents per 100 dollars assessed valuation. Already 17 such districts have been started. Some are planning to issue bonds for hospital construction to be serviced out of hospital revenues or taxes should subsidies be necessary. The statewide hospital survey being conducted by the California department of health is cooperating in an advisory capacity when requested and it is expected that many rural communities will be able to bring hospital facilities in line with their needs under this program.

When Turkeys Had Bells

Half a century ago before turkey raising became a scientific commercial industry with heated apartments, hot and cold running water, cod liver oil and vitamin pills, many general farms had a flock of a score or two of birds. The long-legged, bright-eyed birds liked to wander over the meadows, pasture and upland fields for grasshoppers and bugs. They circled into the woods and when the beechnuts fell after the first killing frost, the turkeys fattened on the beechnut meats. Thus it was that generations ago farmers hung small bells around the necks of the turkeys, according to Pacific States Poultry association. Mail order catalogues carried advertisement listing the polished metal turkey bells at \$1.10 per dozen.

News and Views For Halton Farmers

THOSE REQUIRING HAY ADVISED TO BUY AT ONCE

Due to the very, very short hay crop in Halton a considerable quantity of hay has already been purchased by county livestock men. While the corn crop has come along remarkably well considering the fact that quite a percentage of the corn acreage was sown after July 8th, nevertheless one cannot help but notice a lot of barns which haven't much more in them than they normally have in the spring of the year. No date, most of the hay purchases have been made in Ontario, and in so far as we can determine, at a price range of \$25 to \$27 delivered. It would seem, however, that sooner or later this winter any surplus hay supplies within the Province will be entirely exhausted. Our hay supplies are not only short, but American buyers are attempting to pick up what they can. The counties of Wellington, Bruce, Grey, Kent, etc., are reported to still have some hay available for purchase. Later in the season it may be necessary to bring in hay from Quebec or the Maritime provinces. If one has to buy hay, NOW is the time to secure the necessary requirements while it can still be secured in Western Ontario.

A GREAT LIVESTOCK SHOW AT MILTON FAIR

Milton has had many outstanding dairy cattle shows at their annual fall fairs during the past ten years but 1949 stands out as tops of them all. In the three dairy breeds, Holstein, Guernsey, and Jersey, there were nearly 400 entries, with the quality high throughout. Thanks to the excellent cooperation of the exhibitors coupled with able ring management, all three rings ran like well-oiled machines. Messrs. James Bremner, secretary of the Canadian Jersey Cattle Club for Canada, R. B. Hodgins, Secretary of the Ontario Guernsey Club; and Geo. Drennan, Holstein Fieldman for Central Western Ontario; were all loud in their praise of their respective breed shows.

The Juniors in their Club Achievement Day maintained and perhaps surpassed the high standard set out by their elders. Certainly it is no exaggeration to state that the Junior Show was the best on record in Halton. According to W. P. Watson, Live Stock Commissioner for Ontario, who was the official judge of the Boys Swine Club Show, it was the best Swine Club Show he had ever been privileged to judge. A. M. Barr, Associate Director of Extension for the Ontario Department of Agriculture, who officiated for the large Calf Club Show stated at the conclusion of a busy afternoon's programme, "It's one of the best calf club shows I have ever seen."

In a show such as that at Milton on Saturday last it is not only difficult but perhaps foolhardy to pick a feature. Nevertheless, we're going to give the honours to the Baby Beef Section of one of the two Halton Calf Clubs. In short, it was worthy of the Royal Winter Fair and every calf exhibited was a potential candidate for the King's Guinea Class at the great Show. Halton may well be proud of their 1947 livestock show. It is worthy of a far abler scribe than your humble reporter. If you were present, you'd agree — if you weren't, well don't pass it up in 1950. Here are the awards:

JUNIOR CLUB SHOWS

SWINE CLUB —

Judge W. P. Watson, Toronto; Harold Brain, Norval; Edward Irving, Milton; Earl Wilson, Norval; Howson Ruddell, Georgetown; Don Watson, Freeman; Allan Parsons, Campbellville; Herbert Wilson, Georgetown; Ross Wilson, Rockwood; Floyd Bridgen, Georgetown; Keith Moffat, Georgetown; Edwin Tyrell, Freeman.

HALTON BABY BEEF, GUERNSEY & JERSEY CLUB

Baby Beef Section — Judy Merry, Oakville; Duncan Campbell, Moffat; Alex Buchanan; Katherine Merry, Oakville; Garnet Norrish, Moffat; Clifford Norrish, Moffat; John McKinnon, Moffat; John Okumura, Oakville; Evelyn McCann, Milton; John Willmott, Milton. Showmanship — McKinnon; Buchanan; Willmott.

Jersey Section — Junior Heifer Calves — Marilyn Barnes, Norval; Nicholas Bessem, Rockwood; Gordon Barnes, Norval; Eleanor Rockwood, Georgetown; Henry Bessem, Rockwood; Paul Johnson, Milton; Grant Devlin, Milton; Mildred Lucas, Freeman.

Senior Heifer Calves — Ruth Barnes, Norval; David Michie, Milton; Mary Lou Alexander, Norval; Bruce Crewson, Milton; Donald Green, Milton; Donald Johnson, Milton. Showmanship, Jersey Calf Club — Henry Bessem, Eleanor Stark, Ruth Barnes, Mildred Lucas, Donald Guernsey Section — Donald Joyce, Milton; Robert Joyce, Mil-

ton; David Lillycrop, Waterdown; Marie Patterson, Oakville; Finlay Currie, Milton; Dean Taylor, Moffat; Bill McEnery, Georgetown. Showmanship — D. Joyce; R. Joyce; Lillycrop; Finlay Currie.

MILTON HOLSTEIN AND AYRESHIRE CATTLE CLUB

Ayreshire Section — Kenneth Stuart, Milton; Wm. Laking, Moffat. Holstein Section, Junior Calves — Marjorie Segsworth, Freeman; Edward Segsworth, Freeman. Barrie Archer, Georgetown; Wm. Durie, Freeman; Thelma Hunter, Norval; Harold Brain, Norval; John W. Pickett, Hornby; Harold Lawrence, Oakville; Ralph Cunningham, Georgetown; Keith Joyce, Acton; Gordon Bird, Georgetown; Kenneth Fish, Oakville; Eileen Hunter, Norval; Douglas Ford, Milton; Paul Robertson, Campbellville; Glen Gunby, Freeman; Tom Petosa, Oakville; Lykke DeVries, Georgetown; Allan Parsons, Campbellville; Barbara Seymour, Milton.

Senior Calves — Stuart Alexander, Georgetown; Ted Leslie, Acton; Geo. Clements, Milton; Ken Oldfield, Hornby; Marion Hunter, Norval. Showmanship — Barry Archer; Stuart Alexander; Billie Laking; Marjorie Segsworth.

HALTON HOLSTEIN SHOW

Junior Bull Calf — Vern Archer, Ross Segsworth, F. Pelletierio and Sgms, John Pickett & Son, T. J. Brownridge & Son, Clarence Anderson, A. G. Hunter.

Senior Bull Calf — W. S. Hall, A. M. Sherwood, Geo. Leslie and Son, A. G. Hunter and G. R. Sinclair, G. Leslie Peer & Son, Howard Gowland, Pelletierio (7th and 8th), F. O. Hunter and Lorne Cleave, F. O. Hunter.

Bull, 1 year — Archer, Pickett, W. H. Reid & Sons, Albert Hunter. Junior Champion, Male — Archer, Reserve Junior Champion, Male — Hall.

Bull, 2 years — Pelletierio, Robt. Alexander, Gowland, Segsworth, J. C. Bell & Son.

Bull, 2 years & over — Gordon Sinclair, Dr. Paul Beer. Senior Champion, Male — Pelletierio. Reserve Senior Champion, Male — Sinclair.

Grand Champion, Male — Pelletierio. Reserve Grand Champion, Male — Sinclair.

Junior Heifer Calf — Ross Segsworth, 1st and 2nd; Archer, F. O. Hunter, Hall, V. J. Lawrence, Alexander, J. F. Trimble, Estate of E. J. Meagher, Pickett.

Senior Heifer Calf — Trimble; Alexander (2nd, 8th); Pelletierio, Sinclair, W. S. Hall, (5th, 7th, 8th); Beer, Gowland.

Heifer, Junior Yearling — Archer, Beer, Meagher, Trimble, V. J. Lawrence (5th and 7th); Pelletierio.

Heifer, Senior Yearling — Segsworth (1st and 4th); Pelletierio, Sherwood, Trimble, Sinclair, Brownridge, Beer (8th and 9th); Albert Hunter.

Junior Champion, Male — Segsworth. Reserve Junior Champion, Female — Archer.

Heifer, 2 years, Dry — Pickett, Trimble (2nd and 4th); Meagher; Pickett, Beer, Pelletierio (7th and 10th); Archer, Brownridge.

Cow, 3 years, Dry — Pelletierio, J. F. Trimble, (2nd and 4th); Meagher, Gowland.

Cow, 4 yrs. and over, Dry — Segsworth, F. O. Hunter (2nd and 7th); Beer, Sinclair, Lawrence, Reid, Trimble, Gowland, Bell.

Heifer, 2 yrs., in Milk — Beer (1st and 5th), Sinclair (2nd and 7th), Anderson, Meagher, Pelletierio.

Cow, 3 yrs., in Milk — Lawrence, Segsworth, Pelletierio (3rd and 4th), Beer.

Cow, 4 yrs. and over, in Milk — Segsworth, F. O. Hunter, Beer (3rd and 4th).

Senior Champion, Female — Segsworth. Reserve Senior Champion, Female, Lawrence. Grand Champion, Female, Segsworth. Reserve Grand Champion, Female — Lawrence.

Junior Progeny of Dam — Pelletierio, Sinclair, Segsworth, Pickett, Albert Hunter. Junior Get of Sire — Segsworth (1 and 7), Archer, Hall, Trimble, Alexander, Sinclair, Pelletierio, F. O. Hunter, Beer.

Junior Heifer — Segsworth, Hall, Archer, Sinclair, Pelletierio (5 and 6), Albert Hunter. Open Progeny of Dam — Segsworth (1 and 4), Trimble, Pelletierio, Beer, Archer, Bell, Gowland.

Open Get of Sire — Segsworth, Pelletierio (2 and 5), Beer, Pickett. Senior Heifer — Segsworth, Pelletierio, Sinclair, F. O. Hunter, Beer, Pickett, Bell, Gowland, Reid. Inter-Township Heifer — Nelson Township, Esqueusing Township.

SPECIALS

Open Get of Sire — Bank of Nova Scotia Special. Open Progeny of Dam — Bank of Commerce Special. Senior Heifer — The T. Eaton Co. Ltd. Special. Premier Exhibitor — The E. J. Meagher Memorial Trophy. Ross Segsworth won all four trophies.

REGULATIONS applying to certain uses of ELECTRICITY IN ONTARIO

The Hydro-Electric Power Commission of Ontario announces the following regulations made under the Power Commission Act and to become effective October 1st, 1949.

- PART I WATER HEATERS (1) Unless water heaters operated by electrical power are... (2) No person shall take from any municipality or municipal commission any electrical power received from the Commission and use it in a manner contrary to the provisions of subregulation 1. (3) No person shall take any electrical power procured from the Commission and use it for the operation of water heaters in a manner contrary to the provisions of subregulation 1. PART II SPACE HEATERS (1) No municipality or municipal commission shall supply or use or permit to be supplied or used by any person electrical power or any part thereof for the operation of radiators, grates, radiators, boilers or any other device for space heating in hotels, tourist cabins, shops, offices, commercial premises and, except in the case of sickness, residences. (2) No person shall take from any municipality or municipal commission any electrical power received from the Commission and use it in a manner contrary to the provisions of subregulation 1. (3) No person shall take any electrical power procured from the Commission and use it in a manner contrary to the provisions of subregulation 1. (4) Subregulation 1, 2 and 3 shall not apply to space heating in: (a) water-pumping stations; (b) telephone relay and repeater stations; (c) radio-beam stations; (d) municipally-owned electric substations, where no person is regularly in attendance. PART III LIGHTING (1) No municipality or municipal commission receiving electrical power from the Commission shall supply or use or permit to be supplied or used by any person electrical power or any part thereof for: (a) subject to subregulation 2, lighting of interiors of shops, show-windows and offices except: (i) not more than 1 watt per square foot of gross floor-area of a shop during business hours, and after cessation of business with the public not more than 1 watt per square foot of the gross floor area of that part of the shop where the staff is actually working; (ii) not more than 10 watts per lineal foot of width of show-windows of shops between 4:30 p.m. and 9 p.m. and only while the shop is open for business; (iii) not more than 2 watts per square foot of gross floor-area of an office during office hours, and after office hours not more than 2 watts per square foot of gross floor area of that part of the office where the staff is actually working; (iv) for the protection of property after business hours not more than 5 watts per 100 square feet of gross floor-area of a shop or office, or 40 watts per shop or office whichever is the greater; (b) lighting of exterior signs; (c) exterior flood or outline-lighting for decorative, ornamental or advertising purposes; (d) lighting of outdoor Christmas trees; (e) lighting of parking-lots, used-car lots, service stations, outdoor industrial premises and outdoor playing fields except: (i) not more than 10 watts per 100 square feet of parking-lot space while open for business; (ii) not more than 10 watts per 100 square feet of that portion of used-car lots used for display space while open for business; and not more than 5 watts per 100 square feet of the used-car lot after cessation of business; (iii) not more than 40 watts per gasoline pump in a service station, exclusive of lighting not exceeding 25 watts inside the pump meter compartment, while the service station is open for business; (iv) not more than 10 watts per 100 square feet of parking-lot space while open for business. (2) In these regulations: (a) "shop" means any building or a portion of a building, booth, stall or place where goods are handled or exposed or offered for sale, or where goods are manufactured and which is not a factory; but shall not include any part of a building used for office purposes, and (b) "office" shall mean a building or part of a building occupied and used for office purposes only. PART IV Parts II and III shall not apply to the territorial districts of: (a) Algoma; (b) Cochrane; (c) Kenora; (d) Manitowish; (e) Nipissing; (f) Parry Sound, except the townships of Carling, Christie, Conger, Cowper, Ferguson, Foley, Humphry, McDougall and McKellar, the Town of Parry Sound and the Village of Rosseau; (g) Rainy River; (h) Sudbury; (i) Thunder Bay, and (j) Timiskaming. PART V In these regulations: (a) "shop" means any building or a portion of a building, booth, stall or place where goods are handled or exposed or offered for sale, or where goods are manufactured and which is not a factory; but shall not include any part of a building used for office purposes, and (b) "office" shall mean a building or part of a building occupied and used for office purposes only. PENALTY PROVIDED BY THE POWER COMMISSION ACT FOR VIOLATION OF REGULATIONS Any person refusing or neglecting to comply with any direction, order, regulation, restriction, prohibition or control made or exercised by the Commission under this section shall be guilty of an offence and in addition to any other liability incur a penalty of not less than \$100 and not more than \$500 and a further penalty of not less than \$100 and not more than \$500 for each and every separate day upon which such refusal or neglect is repeated or continued. The penalties imposed by or under the authority of this section shall be recoverable under the Summary Convictions Act. If further clarification is required please contact your local Hydro office. PLEASE CLIP THIS ANNOUNCEMENT FOR REFERENCE.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

- HALTON & PEEL GUERNSEY SHOW Bull, Junior Calf — J. M. Pigott (1 and 5); J. L. Chisholm (2 and 3); M. T. McNabb & Sons; Cecil Cox. Bull, Senior Calf — McNabb (1 and 2); Chisholm; Wm. G. Booth; L. and L. Farms; John Lillycrop and Sons; Joyce Bros.; Booth. Junior Champion, Male — Pigott. Reserve Junior Champion Male, — McNabb. Bull, 2 yrs. and over — J. M. Pigott, (1 and 3); McNabb, J. M. Brownridge. Senior Champion, Male — Pigott. Reserve Senior Champion, Male — McNabb. Grand Champion, Male — Pigott. Heifer, Junior Calf — Joyce, Chisholm, McNabb (3 and 8); Booth, (4 and 9); Kenneth Watson, Pigott, Brownridge (7 and 10); Heifer, Senior Calf — Joyce, Finlay Currie, Dean Taylor, Booth (4, 6 and 8); Chisholm, Lillycrop, Watson. Heifer, Junior Yearling — McNabb, Joyce, Pigott (3 and 8); Booth (4, 6 7); Chisholm (8 and 9); Watson. Heifer, Senior Yearling — Booth, (1, 3, 4); McNabb; Chisholm. Junior Champion Female, Booth. Heifer, 2 yrs., dry — Booth, McNabb, Joyce, J. M. Pigott (4 and 5). Cow — 3 yrs. and over, Dry — McNabb (1 and 3), Chisholm, Pigott. Heifer, 2 yrs. in Milk — Chisholm, J. M. Pigott (2 and 4); McNabb, Watson. Cow, 3 yrs., in Milk — J. E. Forster, Booth (2 and 4), Joyce, Brownridge. Cow, 4 yrs. and over, in Milk — McNabb (1 and 2), Watson (3 and 9), Brownridge, Booth (5, 6 and 7), Chisholm, Cox. Senior Champion, Female — McNabb. Reserve Senior Champion, Female — Chisholm. Grand Champion, Female — McNabb. (continued on Page 8B)