# CHANGE OF POLICY AFFECTING LANDS

Provincial Government Takes Action to Prevent Public

Mark from the new service where the label time designed by the control of the con

AFFECTING LANDS

Reserve No. 2—All similar lands in Cariboo district and Range 3. Coast district, embraced in the drainage area of the Nazco river, with the Euchiniko river, to its headwaters.

Reserve No. 3—All similar lands in Cariboo district within the following described boundaries: Commencing at the southwest corner of lot 774, thence in a northwesterly direction parallel to the Salmon river and distant six miles from the north bank thereof to its headwaters, thence easterly to the southwaters, thence easterly to the southwaters corner of the Peace river reserve along the southern boundary of the Peace river reserve to the southeast corner of said reserve, thence southerly to the westerly limit of the reserve along the south fork of the Fraser river established by Gazette notice published August 29, 1907, thence three miles south to the Fraser river to the point of commencement.

Reserve No. 4—All similar lands on the cariboo district and Range 3. Coast district, embraced in the drainage area of the Range 3. Coast district, embraced in the drainage area of the Range 3. Coast district and Range 3. Coast district within the following described by Gazette notice and Range 3. Coast district and Range 3. Coast dis

## Little Journeys In Entomology

The Tent Caterpillar and Ellopia Somnaria

Proposed Fabra Services of the services of the

Smith and Donaldson. The trail was found in bad order, due to recent bad ceather, and the party had a strenuous

Cranbrook has formed a civilian rifle Forest fires are numerous and threat-ening serious losses in the Slocan. Cranbrook's new 24-hour plant is now in operation.

The residence of D. L. Parker, Phoenix was gutted by fire on Tuesda

Merritt has decided to instal a \$15,000

One agent has sold 3,120 acres of C. P. L. land near Penticton during the past

A good hotel is to be built at Cop-per City, on the Skeena.

### MEETS DEATH IN FAIRBANKS DISTRICT

E. Kaye of Victoria, Second Son of William Kaye Perishes in Mining Disaster in the North

J. E. Kaye, of Victoria, second son of William Kaye of the Gorge, who for long has been a prominent mem-ber of Columbia lodge of Oddfellows, of this city, lost his life in a mining or this city, lost his life in a mining accident, and a second man, Gus Anderson, was injured as a result of the blowing out of an old drift in Fairbanks district. Alaska, recently. The funeral was carried out by the Oddfellows at Fairbanks, instructions being sent by Columbia lodge in Victoria. The Oddfellows attended in a body.

toria. The Oddfellows attended in a body.

The dead man lost his life in an underground explosion on Dome-Creek, and his body was found some days later in a standing position at the bottom of the shaft, 150 feet of water was pumped from the shaft and several feet of mud removed in the face of constantly incoming water before the body could be recovered.

Mr. Kaye was the son of Mr. and Mrs. William Kaye, of Victoria, and besides his parents, leaves three sisters and two brothers to mourn his loss. He was born in England, but came to Canada at an early age and had been brought up in Victoria, B. C. At the time of his death he was but twenty-five years of age. out twenty-five years of age.

Considerable development is reported from the iron mine at Campbell lake, a shipment or extra high grade ore having been made last week.

J. Smolleck, a Slaw, has been fined \$50 at Pernie for lighting a bush fire without first securing the essential permit.

North Vancouver's district council is engaged in locating the sites of the steel bridges which as sites of the steel of the

WELLINGTON, May 6.—Sir Joseph announces tha

WELLINGTON, May 6.—Sir Joseph Ward, the premier, announces that the government has decided to adopt Lord Kitchener's scheme of defence and will introduce legislation to increase the age of compulsory training to 25 years and the peace establishment to twenty thousand trained men and thirty-eight thousand trained men and thirty-eight thousand cadets and ten thousand recruits. The annual cost of internal defence will be four hundred thousand pounds, but the country can well afford it, the premier said.

Bank Clearings NEW YORK, May 7.—Bradstreet's weekly bank clearings:
Montreal—\$40,618,000, inc. 12 per Winnipeg-\$18,006,000, inc. 1.2 per Ottawa, \$4,242,000 inc. 15.5 per thodist conference, being the central cent.

Calgary—\$2,765,000, inc. 82.2 per E. M. Bryant, the colored C. P. R. cent. Victoria—\$1,557,000. inc. 37.5 per cent. Edmonton—\$1,381,000, inc. 45.2 per ent. Toronto—\$32,936,000, inc. 9.8 per cent. Vancouver—\$9,428,000, inc. 90.8 per

THE PRINCIPLES OF PLAN ING

Hybridization involves a know parts of the flower and of their pa tions. It is based on the fact of of plants. When ripe pollen from of a flower belonging to one varie is placed on the mature stigmas belonging to another variety, the into the ovary, where they enter and come into contact with the male germ cell then passes out of fuses with the nucleus of the eg process is known as fertilization cell by the male germ cell. The fe cell soon divides into many cells an embryo. The plant that develo embryo is a hybrid, and the proce

tion is called hybridization. The principles of hybridization were unknown before the eighteen The development of our knowledg ization is largely due to Kolreur Knight (18—) and Darwin. Late were contributed by Gaertner, Nat Vilmorin, Mendel and others. To owe the phrase: "Nature abhors self-fertilization," which does not the case of many vigorous plants tobacco, wheat and barley. Dr. Darwin's phrase should probably to read: "Nature resists any sud in long established conditions."

It is well known that many special adaptations in their flower self-fertilization is prevented; that colored flowers are usually cross-f insects; that the more inconspicu are cross-pollinated by wind, etc., e ducts of crosses were usually mo than the parents of the hybrid. been observed that "in general the botanical relations of two plants, easily they will cross. Crosses be eties are generally very easy to n between Linnaen species have bee quite a number of instances, while tween genera and families are ra over, it has been observed that hyb from parents not closely related more likely to be sterile than are parents nearly related.

While a host of facts regarding ization had been accumulated, no ge ciple had been established until M lished a report in 1865. The experi-bodied in the report were made bet and 1865, and were published in actions of an obscure society in B tria. This publication lay unnot

If one turns to the works on pl ing published before 1900 he will re vague at that time were our notice laws regarding hybrids. No perso to be able to predict with any degratainty the result of crossing varieties. In fact, contradictory results are ofted by different plant breeders. "The wonderful enough, but they showed of falling into orderly arrangement."

results were formulated in two laws I. The Law of Dominance, whi expressed thus: "If two contrasting which have previously bred true ar one only, the dominant character,

the hybrid." (East); and 2. The Law of Inheritance, w be stated as follows: "In succeeding ations, self-fertilized plants grown fr of the cross reproduce both characte proportion of three of the dominar ter to one of the recessive character. more, the recessive character contin to breed true, while those plants be dominant character are one-third pur ants, which ever after breed true to inant character, and two- thirds hyb inants which contain the recessive in a hidden condition." (East).

Mendel's experiments in cross were made with the common garde which are capable of self-fertilizati which have numerous varietal form guished by the color and shape of the color of the flowers, the color of the length of the stems, and the arra of the flowers on the stem. He determ heredity first of all, of each set of ch i. e., yellow and green seeds, round a nlar seeds, smooth and wrinkled se so forth. He found, for example when yellow and green seeded variet crossed he obtained only yellow-see brids. (Generation F. 1) the yellow dominant to the green which is reces

(b) When, however, the hybrid were self-fertilized, the seeds obtaine second generation (F 2) were comboth yellow and green forms,-in the tion of three yellow to one green.

(c) When the plants arising fro seeds of the second generation were tilized, only plants with green (F were obtained.

(d) When the yellows of the second eration were self-fertilized, some gave plants with yellow seeds only, while gave rise to plants with yellow and seeds in the proportion of three to on the second generation (F2).

In like manner Mendel crossed pe possessing one of a set of characters tained similar results. He found "rous dominant over wrinkled, colored see over white seed coats, tallness over