that Germany wishes to maintain this outlet for her coal and in return derive from these areas the supply of iron which she herself lacks. The necessities of lite—not the precious metals—are the real arbiters of exchange.

Portion of Canada Dependent Upon United States for Coal

Now, a very large portion of Canada-and for this one may hold in mind much of the populated territory extending, say, from Quebec to Winnipeg-has become increasingly de States, and absolutely dependent upon that country for its annual supply of some 4,500,000 tons of anthracite coal.

In addition to the use of imported anthracite coal for fuel for heating and domestic purposes, large quantities of bituminous coal-some 10,000,000 to 14,000,000 tons-are also

imported from the United States, largely for power purposes.

The known anth-acite coal fields of the United States are within measurable distance of exhaustion. Upon this point there seems little difference of opinion. The time during which the supply will last, at rates of consumption existent prior to the war, is placed at about one hundred years. Doubtless, in the near future, the United States will feel compelled to conserve this valuable commodity, and the exportation of it may be largely restricted, if not entirely cut off.

There are available scores of examples, arising out of the present war conditions, where the United States has found

manufactured products.

If Canada is to be in a position to command special consideration under possible restricted conditions, she must realize the value of her own resources and have them strictly under national control in order that she may be enabled to deal on a basis of quid pro quo. When the commodities of commerce are exchanged there must, of course, be a substantial basis for barier. When Germany demanded gold from Switzerland she offered to exchange coal. Suppose that the United States, in the conduct of her commerce, concluded that for certain commodities which she specially required, what desirable commodities has Canada to barter?

C nada an Exporter of Electrical Energy

Other than the products of her agricultural lands, mines and forests, there are certain resources in Canada of unique and special value. One of these is the hydro-electric energy which may be developed from Canada's waters, including her equity in international waters. At the present time the United States is importing from Canada about 275,000 horsepower years of electrical energy.* Many factors, of course, enter into the determination of the equivalent of this electrical power in terms of anthracite coal. Electric power has great advantage for many purposes over steam. Speaking in round figures, and taking cognizance of some of these special factors, the electrical power now imported by the United States to the control of the United States and the state of the stat

economic development should be carefu'ly conserved so that they may be used in the general public interest.

Any estimate for the water-powers of Canada must be presented and considered with a due appreciation of its limitations. The following table representatively sets forth the water-power situation in Canada. By no means may all the wa er powers be economically developed :-

Estimate of Water-Power Resources of Canada **

| Province | Total possi 'e horse-nower. | Developed horse-power |
|----------------------|--------------------------------|--------------------------|
| Ontario | 5,800,000 | 700,000 |
| Quebec | 6,000,000 | 640,000 |
| Nova Scotia | 100,000 | 26,000 |
| New Brunswick | 300,000 | 15,000 |
| Prince Edward Island | 3,000 | 500 |
| Manitoba | | 76,000 |
| Saskatchewan | 3,500,000 | 33,000 |
| British Columbia | 3,000.000 | 250,000 |
| Yukon | 100,000 | 12,700 |
| Total | 18 801 000 | 1.811.200 |

foreseen the extent to which present and future generations will be increasingly dependent upon power, whether u by

Concentration of Control

either have been already developed or are privately controlled. Concentration of ownership is a noticeable feature of this control. It has been authoritatively published that in the Owing both to provincial and federal legislation, it has not been possible for interests so readily to obtain control of water-powers in Canada. Efforts, however, are con-tinually being made to secure the rights for such desirable water-powers as are yet vested in the Crown. The efforts made

Power Monopoly

The public cannot be too well informed respecting the which such interests have over the distribution, and supply

In this connection no words are better fitted to express what is going on than those of Mr. Gifford Pinchot when he

"And whoever dominates power, dominates all industry. Have you ever seen a few drops of oil scatnation-wide covering of a single gigantic trust. There eration to the welfare of the average citizen when in conflict with its own."

Respecting the water-powers of the United States and the attempt to create a monopoly of same, Mr. Roosevelt accurate, prophetic terms, as true for Canada as the United States, has stated that :-

"The people of this country are threatened by a monopoly far more powerful, because in far closer touch with their domestic and industrial life, than anything known to our experience. A single genera-tion will see the exhaustion of our natural resources of oil and gas, and such a rise in the price of coal as will make the price of electrically transmitted ing. Our water-power alone, it fully developed and wisely used, is probably sufficient for our present transportation, industrial, municipal and domestic needs. Most of it is undeveloped, and is still in National or State control. To give away without con-

^{*}Respecting various phases of this subject, consult at the by Arthur V. White on the "Exportation of Elec 1910, pages 460 et seq. Consult, also, Terenta Werld, March 18th, 1912; also, "Exportation of Electricity—An International Problem: Relation of a Possible Coal Embargo by United States to a Curtailment or Stoppage of Canada's Electric Power," by Arthur V. White, in *The Monetary Times* of January 5th, 1917, pages 21 et seq. Consult, also, Annual Reports of Commission of Conservation, Ottawa.

^{**}See Conservation, Ottawa, for December, 1917.

Lawrence River, consult report of recent annual meeting of the Commission of Conservation, Canada; also Electrical