Requires Both ScientificKnowledge and Experience.

The genesis of development of a mineral region begins with that indispensable toiler, the prospector; the "Aladdin," the steel of whome pick strikes the epark that lights the lamp of diseovery and reveals the numerons golcondas that are pooring ont their wealth of precions metals.
Mach sympathetic truth lins been written of the perseverance and endurance of this hardy individnal, and the meagre results that no often follow his ufforts with their attendant privations and hariships. In the days agone, of "the wild and woolly west," miventure adided a spice to his search for treasure. The live pronpector of today is a man of milder mien. He has not stood still while the world progressed, but has kept step, with the pace in evolution. He in mo longer a mere digger in the gronnd, but an observer of things. He is a read. or of mocks which tell mo much of probable mineral values. Ife knows nomething of geology and mineralogy ; can phint ont the medimentarien that are maltered; knows nomething of the perionis to which they belong; ran distinkoish lertween slate and shate; between calcite and quartz, yuartz and felspar oogregatex porphyries and known thei value in connection with ore bodies. H khows something of metamorphism; that quartzite is altered mandistone; that the great mans of rocks are chiefly atterend medimentarien, and that valuable metals are unnally found in regions of intrative rocks.
He is no longer exclusively wearching for quartz an the "mother of gold," nor for granites, slater and serpentines us the only formations favorable to valuable ore bodies. He has learned that it is not kinds of rock, but conditions which have prevailed in the making or changing of rowks, elemental and physical, that has prodaced the coveted mineral. He alsa knows, or should, the sharacteristic, solor, streak anit hardiowes of all ores of commercial value. The up-todate prospector has nesed of a wider knowledge than his predeceseor. Viatues are found where unthought of terfore. Modern methouls of reduction make the handing of extremely low grade ores protitable.
It is often neserted that tenderfeet hase disecovered most of oar valuable mines. This is like the man who befieves bad luck will follow a horee trade on Ninday. If it doer, lue makes particwhar mote of it, beranse he expects it: while untmportant, that which comer of radow made on other days, pasees unpoticed. The "tonderfent's" find at tractsattention because it is supposed he is mot apt to thad a mine.
This supposition is proof that his Clancer are not equal to the man of ex perience. There is no valid reamoll why eschnival knowledge is not just as valuable in promeseting an in any other sailoig. The prospector who lacks it may faks a buanaza by, well it for as song - ir pond time and money holding a worlis own piece of ground. To be expert in sediak surfuce indinatious, it is tial to know something of the how, why and probable where.
The parely technical is not sutticient. The student must get over the ground and into it ; must come into contact with things both innual and bhysical, though it be rocks. This is the practical that puts a tinish on mental effort; the combimation that produces a man fit for the tield. A man need not be a graduate of
here pointed out, and more. The world in full of books from able men and the pector will alwayn be with us. Capital will not take to the burro and pack ard. dle and the rougnews of camp life on devde and roajo. ert and monnain. The aiseserer, too reward bas lic at his feet. Fur lack has funds may is he at his fee. For lack of funds he is unable to exploit his tind. His time is lost and a valuable ore body lies undeveloped. This break should be bridged, or rather prevented by a union of capital with the prospector's time and experience. At the dipcovery stake, knowledge in in the main a bankrupt. Not a penny for development and capital fights shy. There are no drifts, crowncuts and upraises with culculable
 attesting the value en masme. Capital attesting the value en masse.
and labor are interdependent.
Combination is conservation of time and money. Applied to mining, it would result in more rapid development of our
mineral resources and rednce the permineral resources and reduce the perprospector expends time und what little money he has, only to fail at the location post through lack of funds. Again, capital too often fails through misdirected effort and lack of knowing how at the working end. Capital is not meant here an millions ; a few hundred, wisely exmended, may bring rich returas.
In a mining region the majority are interested in mines. Some invent in a rew shares because they are told it in a yood buy ; or what is more, rinky spectslation in stocks. A better way to mine would be to form an anwociation to keep an intelligent, well verwed, thoronuhty practical man in the field. Give him an interest and a walary that will leave hie mind free from the shadow of want. The chances of realization would be far greater than in speculation.
Mineral exploration and development, judiciously conducted along these lines, will result in fewer failures than in accredited by commerci / agencies to tratianctions in the businews world.-J. I Mallery in Nalt lake Mining Review.
"Now is the Appointed Time."
The O. R. \& N. Co, han just issued a handsomely illustrated pamplilet entitled, "Oregon, Washington and Idaho and their resourees. Prople in the eant are anxions for information atuas the Pacitic northwest. If yon will give the O. H. \& N. compunt ag ot at laker City a list of mawes of moturn moone who are likely to be interostedi, the tooklet will be matied free to such per mons. Yours truly, A. I. Craik, tivereral Panenger Ageut

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