it resembles very sliphtly in the form of the leaves and fose tiffor the is wot coveral with spines, lat with tubercles found a few shrules licariog fruit very spariagly un the found a few shrubs licariog fruit very eparngly on the Where of mombains letween Sailors lingings in Gregon and smith's River in Calfortia, on the $t$ reseent City Trin, and nowhere else. The locality was near the lhondary line (lat. $42^{\circ}$ N.). Sept. 1865 254 Abies, spories ford (A). The average height of this tree is 70 or so fecd, and alrost 1 forot or mone in diancter ; sulbpyranidal in shape; upper branches starting froum the runk at right angles, and lower down sradually at a more acote angle, until near the latt ef the free they shart from the stem at an acute flown wanl ]angle, with a longrdrooping sweep. The branches increase in length (elescetuting), giving the tree the pyramialal form referral to. At the base of the tree they are long, and hear a ratio to t.ee height as 110 5. They sweep ont from the stem at an acinte angle, with a downward sweep, corling up at the ends a litele. The branchicts are what gives the tree its peculiar and eharacteristic leanty. Towards the apex they project as in other speeies, but whenever flicy pren (at maturity) they become depenient, and henee forward their growth is downward, so that these littic twigs or branchlets droop, (from if foot to 2 feet is length) in a slender pendulous form, eleprending from the superior surface of the lranches, giving the Iren the " weeping willow" asjiect my informant talked alsout. The colour of the folinge is dark green; the bung leaves lighter green ; la,k smooth or scaly cphilerosis whitioh; oulter bark (mesoplateram and epiphleetom) tirm and reddivh eolomred ; liber very lough and springy ; the whole thichness of the bark is $t^{1} \ddagger 111$. ; wool very tough, close grained, and is its living state pale yellow coleured. The tree branches almost to the bottom of the trunk. At a hasty flance its gencral appearance is not anlike $A$. housthast, with which it is ass:ciated, and may have been pasied by by furmer botanints in misfake lor that tree. It grows on proar stony suit, on the -ummit of the monntains, about 8ooo feet above the nea. Though I found many very gond specitnens of las year's concs, et after spending the major portion of the day in searehing all around, shooting down branches with the rifle or climbing the trees, yet 1 failed to lind one of this year's cones in any state of pro frens, and may joy at the discovery of this really beauliful tree was damped by getiong none. 1 sulse facotly found a grove of gigantic size, in a shady gulch, about 1000 feet lower down the monntain Their height was not less than 150 feet, lut stems not over 1ti feet in diameter. They pussessed the general characterintics of the last group, muly that the banaches were much shorter in proportun to the height of the trec. Locality, on the old trail of Cimpenter's lialeh, on the very sumbit of the mountain leadiag (1) Dierre Sault Bar, juat as yon lowe sight of Camon Creet. I aend many specimens of the folinge ant comes for its more minute description. Stpt. is65
255. I'mus. mor'. sfor (A.). Ftom So to 100 fect in height, pate lisht greet foliage, ant not miline it hetheral appearance to I'unts i, thithertionu, and bome-
 pine: it branches to near the botom, the beanches teparting from the tonk at right ancles; cones near leparing from the tomk at right angles; cones nea the top of the ree ; wouls soft; light-eolomed harh, ant whooth, with bisters of resin; cones, abd tudeed the whole of the tree, sery resmons. foond one tree ot the sides of a creek thowing into Canon Creck, jub thelow the flat. The ahove is the gemeral charac teristics of the tree; lut I fonth ome on the mothtain without lranches for 100 feet. It was 130 feet high, anil $2 \frac{1}{2}$ feec in diameter, It is slightly allied to J monticela, of Donglas, which you pronounce to the the "white pine" of thin coant, but which this (No. 255) certainiy is nut. Inteed, thave never seen I', monticola (.)/robus of my catalogtes) no far soath. The term "white pine" is sometimes applied in Californin to If. Siabiutuaz; and $f$;flisrlis of James is the " Rocky Mountain white pine." 1 do nos know of a heratity in whiels it has leeen found nearer than. New Mexico, in the scandia Mountains, at 12,000 feet clevation. It said also to grow aroand Saluta fe in this same territwry. Is this species inlentical? Inten on this treeindeed, in tall trees very freguently-there are none hut barren cutaes, atal hence I was told by a mowntaineer that it is smmetimes called lie "bastard athar pine." It bears sparingly, and the eomes sent were nll that 1 obtained from two trees after very laherions elinnling. Sept. 1865.
256 . Fimus, nus: spex. or form of $P$. Andirosa. A tree alsuat 130 feet in height, on mountains Scpt $1 \times 65$ ( 2 bags).
257. I'Bus, sp. I found these cones lloating duwn Klamath River, Oregon. Aug- 1865
 in theight, possessing the general habit of the tivinion. C:ascade Mountaius, near Rogue River. Aug; 1865.
259. DiHus, sp. Hlianis River. Liept. 1865.
260. limus, sp. (F.) ; 2 bags. This tree reaches the height of ros feet, and I found it sawn ints platah amongst others, under the generic name of "pisith pinc," at a litte mining camp in Southern Diegon
hnown an Sallors' lhggings, where the lumber sold for \& $_{15} 5$ to 825 per 1000 feet, accurding to its clearbess. Ilere, alio, I may mention that .licer wurrephyl. (ume was worth fron 875 to $\$ 100$ per loco, whilst ()ucrius (No. 251 ) was only 8,30 . It (i. e., $2(\mathrm{o})$ ) was dis. tinguished by the woodmen as the "hall pine." the imber is whiter than the following (No. 26t), cones smaller, though in its general lahit it resembles he reat of the ponderost divisiot, fiom all the memucrs of whieh I believe that it is distinct (two bags, with follage, \&e. ), rive No. 261.
361. . thes, sper. (G.). Is this distinct, or a variety of P: 256: It grows very straight to the height of iso cet, and is accounted in Southern Oregon better for many purposes than $A$. Dunghasio, which iv in that district getting rather rave, until it almost disajpena in Californoin, though I ams told-and accordiag to the aws of phyto-geography 1 do not doubt it-that it is found in the mountains of Mexico. The centre of the growth of $A$. Detrglasii is in the conntry west of
 in my be saicly alk the tree timit
No. 20, is harr, ani does not reanlily warp, as does . Doughasti. Shingles are also made of it by spliting, but it is so free from haots that it will split with the sun-indect, this is so much so that to drive mais into it holes must be bored ; this is its worst abit. Very lange cones. Alt these phises are known a. "pitch pines ;" hut this species is distinguished as the "yellow pine." Though there are doulaless many varieties of the powicrosa type, yet 1 am conincel that $I: 256, I: 260$, and $I: 261$ are all as divtinct as most species of the order Contifers; at.l that I! 260 and $f, 26$ were very different in appearance there and in different situations. The whole ype or sub-genus (embracing the species allie. to P. porderosia), as I have venthred to remark in former cataloghes and letters, would form a curions storly for he botamist ; but these species just named are recog. nizet as listinct by the woodmen, who are two apt th mistake identity for similarity, though douhtless many arieties have been descrited as species, and which may be fulnel on the same tree ; but where we find difference prevailing in all the cones on the same ree, ant this difference permanent in widely different ocalities-geograptically, lopographically, and clima-ologically-then assuredly they havea right, as in those bamed, to be ranked as distinct species. In box No. I sent cones of what I take to be the true 8 '. Aoniterost, rom trees growing on the banks of the Frazer River, it lefl-ovet, II. C., and these tress were very different rom any 1 saw in Sonthern Orebon. Instead of plitting ensily, so knotty were the trees, that the nimets, in order to make shimgles of the tree-the only one growing conwemientiy near-hud to sat then. fo the presebs pine the cones are nearly terminal, in clusters of from two to three-getserally two; loranches with a genkle sweep; bark lightish brown, with long:udinal wrimkles or crachs ; light greell foltage. Found rowing wa stony or rocky places near Snilors Diggings, (1gn, Sept. 12, 1505
262. Thuts, sp. (one bag and one paper parcel). 1 found this pine in great numbers on the sides of gulches, and high up in the mountains on spurs of the ishiyou monntains (so named loy the early French Cabalian tovagerns, from the Cree wura, signifying a boh-tailed horse, in memory of ath incident cunsected with a fur-trapping adventure). Concs depenlent, aat attached by a thick pedicel to the loaty of he tree; leaves in whorls below the cones; the apper side strongly marked with stont promilient cuspuiate scales, whilst the lower, protecterl from the un, are different (rute cones). Ire these coates abor, ive? None have yet opened, and thuugh I searchen abuitiantly, yet I could fund mome in any other state, anl I thousht it was better to semd then as they were. Gne must just take the chances in these matiers, and hope for better forthne hext time: I refer to Nos. 254 and 262 . Is this $/$ ' insigtris ? or the "lost" $P$. Caliurntial Lois? (Carriere "Iraite," Xc). It hears when very young. Isaw slirulis of it not over 6 feet in eight with abundance of cones. The soil it affect ponr, and is associated with the grease woond (Purshia tradentata)

263 . I'ints, sp. I fonnd this Nowes, with the enclosed leaves lying associated with it, on the grosumi an Fremont's Trail, in Eastern Gregon, lut never saw $t$ growing. Aug. i865.
26.4. Pitays, sp, Cone, found zarshod up on the manks of Ritte Creek, Fastern Oregon. The creck heads near Mount hcult on the Cascale Mountains: Ang. 1865
265. /'murs, sp. Found washed slown Clear Creek, howing out of the Cascate Moantains. Aug. 1865.
. $V$. $B$.- - The three foregoing may have no commercial or scientific value, bat I colose them neverthelcss.
266. /'iuks lambertiout, 1)ougl. (2 hags, \&c.). This well-knuwn pine is perhops-taking intu account its beanty and econotnic value-one of the noblent trees on the continent of America. The seeds are collected for food by the Digger Indians in the vieinity of Sailors' lhighings; lience we should l'? cantious in talking about the distribution of the sut pine, as

