# PHYSICAL BACKGROUND OF THE BALKAN PENINSULA 

## BY

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## PRisions

Searalty of matomale mat thoman aleqiouliy tho writer of thic theolo eneountared. mimo and diatance vare
 obroed. To all srionat in melgata wo holped mo in procuring ratorialo I cuproa my gretitudo and spproeinston. But above ell I wht to thenk Josoneor W. O. Blanchaxd of the Degurtmont of Ceelegs and Coegraphy of the Unevesolty of In1noise Ro mo of great bolp in ofloring viunble meggestione to to the treatume of tho anbjoot-matter and palantakingiy colme ower the menuearyt. Fiowovar the author it solely rueponsible for all the poasiblo miotakes thet migat have axpes into the Than foma of me thoul.

Asean RIeolof3
Urbene 211 noio.

I. loontion, nrea, and populettom, opeco ..... 1
II. Kiname *-................................. ..... - 2
 ..... -
IV. Melief fonturotese...........e.e.e. ..... - 28
 ..... - 12
be Lomlends.e.e.e.enerecerene ..... 80
 .....  8
Fi. Climate...........**...................... ..... - 3
VII, Vogetet1oneenen*****e*......e**** ..... 40
 ..... - 1
 ..... - 45


The southorn part of Europe concints of three greet inn projeetions. the Iberien, the Itnllen, and the malkn peninoules. Two of thenombthe Theman



Bepecieliy ereet is the algnificnnee of the salkan Tumiamin moes lande heve beom and otill aro at tha crese zonda of humatit. Howo have tremped the lepfome of Romel herw heve paeced multitude of zmeee, consletine of Avars, ,othe, Hume, Sleve, teif here hete eroneod the Crusaders an their may to the foly Bepulcher; bove heve aereled the horteo of the Omsanil Tuxke In an atterapt to conquer the wolo of Furove? hore the native peoples cauted
 Cormany, of Auctiln, of Itnly, of Trance, of Creet Briteln, nixec with Africem and Abletic suces, mouvered buck and forth and mete the mitive rociat as long os toy could. Therefore, I mot axackornting wen I eny that it is geogmphic loetion mich mete the Beiken Feningula ahockebeortor of cono Miesing Iuropean intoronse.

Tho and of tho Forld wer in 1918 temporerily put an fand to to anbitious plane of two gren burosen yoveret one we wate wioh nimed at concuerine Conatantimople and sscuring an eapy outlet to the "oditorranceas see wheh would heve anbled her to be within a thouesnd miles from the ontranee to the

 oplalt of "Ixang maeh sta Oston".
I. LOCATTOF AEEA, WI OMESTIOR

The Inlmen Temineuln is loceted between $36^{\circ}$ and 450 north latituce and botwoun $14^{\circ}$ and goo onst learitude. Ito sonth to north extemt is equal to thet of the 3Hthin Iale but the aidth of tho northorm nert makee it
 without Austria.
 25, 000,000 pooplo, witoh is o litele over caomthis of the mopiletien of that eouatry.
TY. HNex

As - googrephic mast it is oaly moenatly that the Relman Duaineule pot Ite present namo. In the phot thom men of lettere ond of malenco who socomp napte of the melont anvel efvilication roforrad to its beew at the
 of the culf of thionizu. Fmonledee obout the other geonles who 2ived north of the Crecte was Fory nembty or ocmplotely inoking. Mictorinn iacorented In bimantine alotery called it the Rigantiac icainculas mad thowe tho






Anelymine those manes wo see thet all aro hitetorte and nolsticel in chameter. fut the berinning of the lent cantury marsed maco teryitoriel ohenget on this sentroule of nemy ancos. In odestiom to facopendent tiny
 foun tho politionl neme of tho pentrmale confueing. Twwiere of the firet holf of the aisotoanth contury mare a114 wore puanled. Ther foase that in



A solusion of the protiam whe soutit by onllime the poninerin artor the



Gevet catiofaction that is thio gatio of surose, at Ahow on the mape, besed upon information from antiquity, there we en unbroken mountein ofrin when ertenced frow the Bleck son on the enot to the Alpe on the northmoet. File ohoin wes fatefully reprocuced on geogruphic mas as inte me lero, wich, of conrwo, wo an axnet cony of the ficeas of Strwbo (o Oreok guogrnphor of I contury D. C.) and ptolaing (Greokmeyptien antronemar and cartogrephor of
 northern
To the anclonts this chain wae the, bousdery ine of the warm outhern


 mond "Baikna" in in no way atranlation of Fiames. In plain Tumint it
 gesning the "Old Moxmtaia" which io paxheps aymbolic of the protection it offored the people durtag many conturice of opreeston. Therw io zo othor morntein in sulgarie wion to 00 intimetely intormoven in the foelinge end the songe of the netion thit one. galkan is atill uead in the eonee of conoting perticuler ceetione of the mountaim, on Shipla selken for inctance, or in poetry reforriag to the stare Minatme ae whole. Truces of the ancicat namo

 houce.

Influencod pertape by the amelent fice of tho unlurgten chein, Faine In the santor of the penizrula, it wne tho comsan coographor A. Zoume, wo, in 2008 , orighated the nawe or maken Heninaule.

In ehort, the name of the Felken Perineula ordelnetof as a moult of the erroneous concostion of the peoprephere of antiguity about the rellef of the countzy, end, leter, the uee of tho Terkish word mpalknn" which wee

3. Young Zolded KounteIna
2. Daprassec Areas Tithin The Sea, Mariaing The Site Of Roundered Berth-blockes
3. Ancisnt Lond-masses Around hich Folding Has Taken Place

Rransitional Arecs Show Ey Pots
applied eniy to cho moumtnin of the whole pendranie.
1 thtak that If the gonemi muaning of the wowt "bulka" Ie intergixetod
 of "The Itormtainote Pariarala".
III. RH3M: TY LIME
 Where so the morthorn liale of the galkon Pealngule. Counmy to what per find






 enolresm-at Austriterimgeny on the northwet end of surtry on the southeo
 utarine in the velvity of Five (onat of the dity). followed the course of


 orive canily meo the thic io not a goommble boundery mo worth pr it itvo poovle of the mace, langumen, wad ocousetion. Aleo thoy belone to a country eelled rugoniavin fich hae ite polltionl bowaray exteadine north

 the iscaso figver bo subetituted for tho tulpo Miver beomuse, ther argue, 12 will not miy incluce the littio enisenla of Istma, when to sers of the Flnazio syetame mymby, but the miley of the Inaneo "qver marte alotinetiy
1.. Gancher, whe falknn eninuule", n. 10
the ond of the atpe and the theiming of the Innris Voumtaine.





 port of Bulgnie, which io rantily tromine ae a manit of the country' 1000 of the outlet in the Aegonn gon at the cloce of the forla tinr to the north





 Polond, Auctrie, end other central Muropern ocumtryen.

Constenfa (Conctance) io the mont Important somentan yort eginpoed with



 and the delte of the Damtio.

Sra the etaninoint of comerea and coonows development in gonoznl. the
 ita stominces it io an ininne sen, mey frow the ohior muroponh wartote, end



closent to anch other. In tho twaty-mlle lon th of tho Poophorus thore ore polate oppocito ench other wich are 1000 than 2000 soet apme. Ano at itu ervatset Indentesion of 200 sthan ono holf of a mile the Bopphorts rozin the Senoue Oulf of the Colders hiens. tho sutherin mide of thich it occupiod by the olty of Cenotnntinople, today knom as Iotembul. 12 so tre coldon itorn oholsers the wosid famon port of Comotsptinople. The Remphorue oonett the Ilect
 120 wiles in lencth betwen Gonotantinoplo and calipoli. Dat 1 te lamonco Is graet so Link botwom tho Souphorue and the Ingranelles. The 3treit of tho Dercanclios is the moeond meating slace of wurope ned fate winore Howover 1 te leagth and with to swiee thet of the seophoruls the depth of the whtor in both jtru 148 is conolderably owor 250 feot and is perfoetly batisEnctory for tho lerpunt inipo to paes through theal. In this conneotion Horide be mantsoned the thet that in the stral of the moophomel there is a
 vick conotituco en obstacio to navkention. tho axiotonco of this ourfent 1 the to the hither lowel of tho sleck Bon. Feculting trou the larpo
 poestbilit, $\hat{n}$ ? isposine the excess water by evaporation

 sien is bremoh of the "editerrenome Sea and fille tho exaken perto of the

 In the rajacont lande and the oxlotonce of mone aetive volernoed, os that on tho saland of Stantory (minora). fos usemgle, wheh is pert of o chain of
roleanie inlande, bordering the Crotan soa on the north. indsez te the s Eterisioant changen aro otili coing on artuxd and in tho broin of the tagoan
 are the hifhoot pointe of E Pomer verwin. These inlande contribute very
 are of moancorablo afficenlty to caflorw beotuce tho finmilow poztione of

 catando botwear the ploin of Thememy in Cowee wad tho Ouff of surve in threce.

 oretern ifnif of thic doop portion of the Aggem cen.



 It from tho masning one can soe a purelise blemomenon. The soe witer. as a

 cloce to Thrace nse the 1elazde of Thema ant cerkrekt. get tho coet of
 - tone at tho entrance of the Inctacelios and for the mronone nre the only

 over the sen that the mort didence of sea soute of 800 allec botwen
 aluptare of iolnades one clono to the conet of Asle "fror, known se the





#### Abstract

Anothor chamoteriotte smatuse of the somen son io the lack of the   glavanie seople of the Bulken Jestncule. Who drented the tnampantrous mack 







 Tho io ensa so meve lont har $2 i t 0$ in thio particuler oct. The other lomand referv to tegue, the fsthor of Theame, who ocemited sulelde ty frownime

 thin the lagoan Soa eot its man frva tha town of fogen.

The Aegma sen 10 aleo knomiz for the mone artsoulated ocant 150 of 180
 and pointed epurs of Ien project fer into the een until the woic wouthona
 mont variod formo. It is oniy approprite that wo ementne the dopous coent
 IInc into parts necordian to thr werioce is carvel.

Prow the "onitrmic of Calizoli mest to the mouth of the seata Mivor 10 the Thruolan opeot. liore the larget indentetion 10 the oulf of faree
 Wince which moov acrose the ontern part of raymee. Sith the Harlite


at the celte of the river. Io un obseur 11882 . town, and em not bu turnod
 remedy the at twation, furting the lottor pert of the lect ontury, whon this


 lopwom thith could te tarmed lato a food hartor after comithornble kmponemonto aro mado.

 and Kavela. Ilthoug the Culf ot Orphems io tho Lereor of the tho thow in
 - lasgo arn of tho lond sloug the Cult itmolf. Tho fulf of Eaval sholtore
 solbece.
the ren so como to the mont mportant fris not caly of "acedonio kut of tho Balkan Tminual end parte of midalo and onetom sumope ab mole.
 Theomalowin (galealka), with srence sta origiz of now so the time of
 know ao The Thema, alled it Thosedontka, ofter the meno of hlo mifo.


 T011tical evente have bor lergely meapenolble for the feot that the
 17. 1s at 211 not gead to the best economic anct oultural adventmree of the poople isvine in thio mert of arome.

Fouth of the Ouls of Sricasto is formet the mell inelowed oult of Volo, Where the port of Velo cervoe Thoanely, the largees lowlend of Creose proper.


 beomuen it haralon one male of ber forvime tando.
 polocie oricin of thie bety of mier is mot umecty know out it is boileved


 atrotehimg trom northweat to southeent for obout 500 allea cenmo to the fows

 Adrietic tow conolote of Lone, mhyolcou mountain ohaine. This io a gent

 territory. of the them good berbore on the Iniminien conot, Musonievio
 bever

 1. Foum eometh of Tium.

The Albantua coact is 10 m and marehy lane with ono netablo induntation,
 to the orpt into the Bulxm Temineule. Fith the hely of itnly, Albute hae liagroved nal mall ognipped the port of Insuaso, which 10 mearaet so

Firana, the capisal of the comatrye
 the Itellm poningmieg como elosett to onoh othor. the diotanee hoine any



South of tho ftmit of Ctmanto is the gammelnous coest of ireede


 the south. iftor the Duilcine of the Corinth Canal the auli weturily
 we chortemed by more then 800 nilloe. In entte of the fact thet the cortnth Cani Io the chortest woriA cuemonsluloes than fout milog-it 10 not
 about 70 feot- but aleo bemute efrong curvent of wher man in ito Furthemore, the otees ales of the onel mre metiy orodet and ocenolsmaly alles of Eront gunatition of certhy motor 8111 tho ernal and so nevientlon
 18 mothor receon chy bif chipe wvoid the pososgo and cutor tho sogem sea by elilng erome cape shtopan, the couthemamoot polet of the lalken Peatnmult.


 otoppine pise ser mine golne to ad ecilne ont of Adrletie norte in the northo Ithoor, a mall inlend et the ontrance to the oulf of oristh. se thane so the bith place of atyturabe

Fimally, thef 10 Crutom-tho lemgoet of all Talken isknee. Toing

 the first mall coveloped elviligetion of zarogne

 of south rieva, in the lasper bot conmpleuouliy leckiag in pood naturni




 Wider then eanpared with the Ieverniles, for inttanee, it ie wurded by Italy, whees tern'ftary forme the montorn eonat of the serintse now, not

 unumelly moll exdowed is mrobectic one oncily moebed harbore. Ia adastion to chla, nll of the hertore are loenter on the ahores of a free wen whre


Pat ITx ETsyuRE3
A. "ountaine

If you nould thko - Brip fram Bolgne to salomike by the seoondnyy
 Conptentimoplo, and raturn to telerece by may of the noee Volley-Botise Fis yon would hove touchce upea the reological bountamice of the three

 19 com oace miniy of old exyotellime robse, datime Frum the Archaeozoic Era.
 wore eubmered. Volomite 4 . Lons added otrips of reventiy exupted
materiels as the mountaine around the tom of Kratovo, in Jacedonia, are the largest well known region of most recent rolcanic rocks on the Balkan Penincula. Provious to volcanie omuptions, movements of the earth's cruet, producing dopressions and fault 2 ines, dotted with many hot eprings, coneldezebly ohanged the original struoture of the Rhodope Masalf. River erodon, eapeolally after the sfniting of the Aegenn bain, which lowered the base lovel, particularly in Macedonia, enused the diseectine of the Maesif to such on extent that todey it consiete of mumerous mountein unite, the most notable being The Fhodope Mountains, The Mila, The Plein, The Bolaeltea, and the Bosdagh. Finile the Fhodope, the Rila, and the Pirin are bound together with the Rila in the center, west of the Plrin, the section betweom the Struma River and the Vardar River is hirmiand of broat structural complexity, of mountains, scattored in all direations, with lorge and mall plains in betweon.

The Bila is not only in the very center of the Balken Reninsula but is also distinguished in having the highest of all Balkan peaks, callod Mussala, which moesures exactly 2926.40 meters ( 0595 feot).

The height of the Musmala mant have made a lasting Impresmion upow the imacination of ame andent muler in the Balkens. For in the past deys of Roman conquest of the penineula, Fnilip F. ally of Hannibal, in a $^{\text {a }}$ desperate effort to find out the number of the Foman logione that ware coaling to oxum the last remments of the Macedonian Rapire, olimbed the Mussela. Beling told that from the top of the Mussala he could ese not only the Danube, and the Black Sea, but also he could get a clear view of the Adriatic Sea and beyond, also he looked in vain for the land of Rome and hor mighty legiona.

This is the story of historians: Geographers interested in the same geo -historienl ovent, basing their concluelone mostly upon the
 paring it שith precont condsticne. are convinood shet it was the Witnathe

 filu froa Sefle, hae ban dechared natlamal past in lte mpop parto.
 and iy humame of aldera is the Fintor. Soth the Vieachn and the Bila
 axe hopine thet thole moorte will srove of catt vinn to the utvilea nt cilanto in this gnyt of the fivikn nemtneain.



 and horgac. Veluable conlforous and coulducus traee cover racos aree mich heve aiva gion to man minitive nematlis and boce motorn, eicotricelly Artven, lumber enterpestace. In the thtokly wooted northorn olopes of the





 or poopio tron all parts of to country. It is the amiy nimeo in tho 3110 coramis comeoted with anilroed and the lattor is of anrromanage trmo.




Thyologicully the wem scegones that thia 20 tho moverin "obrandint-ismaterm.











 altuetet in a copreanion, south of tho movataln, where the miln moate vith the Hodopes in the caat me the Jrin in the routh.






 fouse ay the from the top of t aletheot pwate of the nountals the Fhociogoe

 the eactene inheblthate of the part of the poringule to afve ita the mave
 stio nocratera beasw.

Foreate are s alotinguining toature of the 5hodope mounthias. Thio 10 eapeoially tive of the cevtern pert of the mountaln know ac the Dompat Wherv sors exeellent roode ere to be found. For the present the fhedope mountrine contain throcofourthe of tho coniforous trees in raigaria.
 In both, are the chiec cocupetiona of the people. "Iaine io elowiy cevelon-

 syo, and onother in the caet of a trondind mugo, that penotrw to into the intertor of the mountain. Mot ther of thos rollmente extende to the conet of tho legoan soc. The moctorn mileond branch is ouby moutly during the curner swesn when it morves the serriet ereffio to the Cheplno remort, en intorior copreasion inomi for ite expellent fino-format elinate ent numproys
 tendeney for wore sooyle to oome into the regton from all perte of Bul garia arter the hot wator poole wowe bailt. Skport of lumber froes the region and import of toodetirfe are the steme Itcuring oworinemtly on the Erelght
 zeplon and the wining olatzict that is Gevoloping alone the Greeonvigartan frontier.

Smalling ond foot Rowlug atrean have their borimine in tho Fobodopes. All of the otrouss shouing to the north of the metorathec era teimitarice of the l"oritee piver, tileh is in a ciom mrowtatty to tho moterein itevis. theen twibutarice of the lingtse are used ohtery for trwgetime the ex-
 they aro harmesced to dxtv the murerocie numaile or to tranemort woot cut in comvenlent aise, to the occrunition eastiet at the foot of the mounteln. The wohe Piver muphlies weter fown to the proetect hytromeloctile
 In the heart of the ricutsin and howe perallel to the lariten, until tho Intter makeo eharp turn at Adrlenogle where nearbynot onis the frat jotno the suxttse, but the mmasa, 180 longent tributnry, fo woll.
 and throupt the Mdpee of the northem lelente of the Aeroen Arehspeleso, extoad lato the mounteline of Aoin vinor, mioh indion to the uniatorrupted contimulty of the Macolf boiove the elakine of the Aogen bonin took plece. The struidge Mormenin, enot of the Phodoges, and the Sredra Corv (The "icelo Howntala) to the north, seroes the Moritsa baeln, ere compecod
 of the Balken Mountains, are elessed as a tranaltional group of mountaine. Of almiler ortotn are tho movntalise found alons the rieth bank of the Verder River, mich is conelcomed on part of the western bocmerg of the Thodope thanets.

How have to corsices the two aytean of yovig falded monnting,
 ehain weat of the photope Waenit.

Traveling in the rose Villey ono io frapreaced by tho preolpitcus blopes
 alan, wheb axtend from the procont Balgerom Hagolay freatior to the Plack Sow. Coolocteally apeaking thoy woprosent a contimulty of the neort
 Innk botween the two chaine is a group of low sountaing kown mo the sact sestion "Fountalizo.
 whose one of the mehoet coppar minet of curope io foum from northwent to noutheset to the gorge of the Ieker Miver, and then etreleht cent to tho
bhact Sen, whose they are coparated from the mounteins in Grimon and tho Cumesme. Acoorting to the late Trosoanor 2 , Rotev of the chaverelty of Gosie, the Balke woantelne formerly In Roso atmor nlears the Minct soa.

 direetion they lifted up rethor obruptiy the southors olonea and gradually dropped the northem slopes. So In tho north for the most part mas prodneed - thor of lem Hdeae zuming et asw distonce permilel to the mountain. Thil
 for cutraordimary beanty and ceenory. The moot innreanto exmmplo to thet of the Bologredchis Clisto mist enile forth the edmitetion mot only of native but of forvien trevelers ead Vioftors oc well.

Coming back to the toryestinl forcos of action to have to enpheolso the fnet that mont certeinly they have onorated mont intereivis in the eentrel portion of the motritaln co today to cean by tho hifh orewt mieh oulnimetos in the Tumark Chal or Yordianal'o poak, Fialag owor tweo zcet above cen level. In the castern soetion the intenelty met heve beon ohceked but the foldsae mteh lentod lonear and tho seanls wae throe mals folce which coparnse in the violisisy of the efty of siliven.

Ao a motetaln bmyior the Bolkun Mountalue aro not of arroctive tho Preacoe, 50 in intemco. Ertendine for about 100 flleo they nvernce only about 50 miles in midth, meechiag to so miles ot the vident point in the weot and to 40 asles in the oast. some thirty passew, of whet ouly hale are frequently uced, conncet sho lomiands of other aldo. Tro Fivore, the Iekar in the woet, and the Itstio kemehse in tho cast, out throuph tho ohais. Two rellicoade, ono followiag the Ioker gorgemetho main artery of exatile in palsarte, and tho othor minaing yp botwoon 3thm zagora and Turnovo to holp
the exploltation of coul, out acrose the mownteln. fio macedm roedo ent mont of the waco and autcmoblle traffic, one betwoon Sorie and Botevgrad (Ortionse) noine the Arwio Kunat peas at on olewtion of over 3280 seot. and tho othor erosalig at the shipha pase ( 4500 sect) is the rone botroum Kagnivk, the ceater of the Roce Velles on the nouth and Gabravo, the Belgarian" Masotsater," on the morth.

 exjoyed in the zowe inolated asstriets of the Bulman Hountaing atnried tho Suatilo induntry in suicarin. With Gabrow ace its ceater. In the courte of tive the recion szound Cabrovo beseme the nost ieneely populeted morntafe enetion of the mole saixan nomimerie.

Tho westorn pert of the Bulkan calucrale 10 cecupled by - loug tmage of folded movataimo which rum 00 close to the see thet for the mont part they proved to be e mivong bersier to the inlend ponetretion of forelezosto

 Oreel Mountales, 由hich for thart I will call sHe Dinalgris; howovor, the lattes have twice tho length and 1 lvo thaes the viath of the Smpman renge.


 of the falands of Corigo, Crete, Raspathos, and Bodes, continve es the



The Kuset is a ilmentone pletean occupying the extrumb noxthreotorn part of the Selican Fonimmie, nomoly the roglon wioh has as. conter the IIttio Poninoula of Iatria, axtending to the Isonso fiver in the woot and
to the call of cuaznero in the caot, and in the morth otretohing an far oo the lenlande of Croatio. The namo of the platere to the Gerram form of the
 10 very likely of caltic ortgin algalfying a "dosort of monos". Purhapt

 sativec. In the Farst, exogion hat procucod acen of the moet fantante

 however, this is one of the poorest reetlome of Burope and together mith adjecent londo of ofmiler charector have been a great couree of socthmsiovoase calcation te haerter.

South of the Parat proper oxtond the Dimerte Alpa. Many unthore incluce the Iaret plateau in tho Itaaric Alpa end apeat of the karet sountry ae otretehing ac far nouth ab Albanic. The resom for thio in the fret thet the inmarle hlpe are a loag whito wall of linootone whe all the karot
 the moot oharnetoriotic fretures of the Faret covntry. This is protuend by the ebrodent reinfall beatiag upon the bare sustuew of the ilmantone. Of the vertoue forme of deprumalone produeed on tho martace of the karet country the moot typleal ere the doling and the pol jo (polye). The ecoond, belne the larger, 2 fe the only fertile phtohes of land multiveted by poor peacazte.
 rocke. Hany of the copreselons ore well anelosed baolne and hevo doop botteno. Asother foature of the zezat country in the anborrencan river aysten. There ore many semi-eurftee, comi-cround rivere. one of the vant mamplee is that of the Iycbigana Mivar. Becianiag in the Iaret plateau it ileappeers

 the aly of Igriblyme. of the cortweo siverw, the foronte in the lopgest ant the beet kome. Ite ceap arge provide minnortant cetiet to the Abrietse coant, ou the infomer io a moll inoloted coumby thenks to tho paraliol and




Fegotetiun io leuking on the menp alojee of the Dinavie alpe, Feactien
 couced by piratec dentroyed what mas left over. Tolny the melloween of the

 are In charp contreat to the 11812 came of vapatation on the oorkinl plata. Anothos atriming contrent so the Affforenco in eulturo on both oldoe of tho montain. Resuan offilisation on the Adricise mice and Oriontal efvilisats on
 moblility of mees mad cultarw.


 goiken peatnmile. The chemetor of the lene is inrealy reapumetble fer the 38borigoloviae poople tahabising this part of sedey's rugenovia. curing







Boenfan foreats gosmos a largo eupply of timber, and shoy cosotitute a part
 of izom orw, conl, and mit are knowe to exiat and ore mploited. In apito of the feot that the mountaing bolong to the Eixaric orotex they nye know
 betwoan the two provinces by saying that "Foanto begine with the torestas Horzogovile with the rock". Thia ebarp alatinotion io not altogethor true bseeuce - creat part of the waset rection is eleimed by Bomis.

The second part of the Dimelgit is the Albamiea Alpe. Thoy conelat of two groape of mounteinemone in sto morth kown wo the Herthmibouien Alpe a second,
 mombenin are mach highor then the onstorn. Prokietin has nowe whel Mee over 8000 feot. Amother citrarence botween the two mountain raagen io the fect that mile the aorthems mountaina aning to the oat and so opos spece for the so onlled Albenian Gep which orfore arote from the Adrlette sen to the intorior of tho pominoule, tho estern were hav its mornteins rumine In northesouth dizection. 38111 onother alstinetion 18 that wale they have gontle slopes on the wenf, wore graduelly thoy maxge into tho thuckia, the Iergent lowlend of ALbania, thoy Hee in the ant nnd some yerte of the sunge heve thoir ollxts almont perpondicularly above the channol of the piack Drin
 commenientions are not lecking altogethor. Taroueh the BateAlbarian Alzo,

 the chortent posaible route. Toeny thio roed 10 not in use.

The Dimaric Alpe and the ADmairn Alpe now mono merted alfforemoen. Although the two syateno are composed of limeatone the karet topogrephy is not Aominant in tho Albmina Alpe. Fhile the Itmarie Alpe are Fiofng with


 ac the conet mat Motice











 of Macedonsa".

3no Varies Miver, whone mligy offere pert of the two greet geatec of


 the Eher Juana.

The lent part, or the wouthorn ontition of the Linnlaris is tha Oruct

 Thoy ary mets of tho toctom riccocomiay tountine.


of tho mourcmine in arnoae co Alotingt unitr. Tho grontoot af all in sho
 sil the Gawk mountrive of the fataed Ifwe.



 thing about.




the boot may to ilapoon of the Czult mounting in to bogim with the







 arees of pood pastrea and hee clopen thet are moll formentos. Ite northmot-



 019




sow conalcorobly thanget the apponramee of tho pwee as wo ynow it syent the


 ancgumat point to 3 wile at ito midert poske.


 sip of the Peatacula of Astios. jead and miver doponite.

Aoseos the Culf of Corinth io the Tolepomeme whoh io Juot to
 of speadic is tho conter out of which nountafa axtime in 12 aizwetione


 Oreot mountrine. Thle me dewe swher Gellberntely boocued the olympre belonge






 of bolow the Muecila of the aslo mountain. ta arplentiton 1 thy the 01ymsuo we



sea coant. In the cece of the mile one can trko a good $100 \%$ it the
 Semokov, whith alone in 5000 reot ebove the soe lovel. It is no monder that
 Today the meient home of zeas io mo longer hold in divine oetem as the Olymper me doclared amek netional part.

> 8. Lowlenda

Finally we have to conaldor the lomiende of the Bmiken Pouingule. Conmiltine a phyteal map, one 10 imsreaoed by the fret thet the mar lowland are found om the margias of the penimeule. "oreover thoy are eonoldorably sose mumorous and ortomalve in the sant then in tho want.

Fortapg the lergost lowiend of the Belkan monisate is the southern past of tho Iomebten Badn, compact aree south of the Deaube Rivor and northeat of the Buikan focurieins. Politically it is aivided into two partemethe Lambbien Table Land in the mouth, wioh bolomge to sul marie, and the Dobredgo in the northmant, wiet io part of kamania. Ac reagh opgroximation, this Belhan lomand is equal to over 16,000 eguare adles. Tais is the largeot coreal growine country of tho Enlkan Pontzoula.

Tho Leaubian Twblo Lnmi extende couthwart of the Darube Siver as fur ac the foothizle of the Balken Mountaing. It billow ourface hae been prodrent not only by the orootion of the struene and asdogenous terreatrial forcen, but
 from the momilite depoalte of Rucale. The lattor man influeneed not ealy the mariaen soaturec of tho region, but it hate boon gronty moponalsie for the fortility of the coil as well. Thile in the pant it mes thougt that tho looes cover of the rambien Fable lend extenced oniy ten to firten milee south of the Ianube River, the latest etudy of Profensor G. Gunchey of the Culverity of Solis has proved beyond coubt thet the loess cover ertende at least twice
ac for wouth. Farthomsore, in the owew of tho cabtorn part of the repion, are Chors the Balka frountaine $\Lambda$ balom 5000 font, the truanporing pemor of the Find tac oble to answy over the exent of the sumitala nme to eprenc somo

feef of the Thatre River, the timakian Toble Land 2 e more lovel nond more
 the ocen, aad cs the Tantrig, throe of tho logem tributarioc of tho lower

 seomis mille.
 calcartona





Comorally apecking the mastora pert of tho Daanblan Tablo lame fo much
 poguleted by a nural peonio produlat malnly wheat, corn owd barley of the cercale, and incemolne funcity of both table mat vinouc empos. 02
 scande of the throe mugh foctorion in aorthorn migarie. Colmant
 10 the moot laporthat toxtile plant, while attamio to swise eotton hove net




To inerwan the amble lend and to proteot ouleIvatod lenco froo


 Brigaris. A cembred ose of 6,000 cere hao almady boa saved frem the

 2nem trolve to fliftom 200t. The KaraboaziDigueilabmatramb) is the ionget. crtancimg botmen the Iolver and the Fit for a detonce of twatyotous ailoe.


 Scarelisy of streare lo oharwetoristia fuature of the sertan we mell.
 1) The Matcan rocion fa tho wouth, ine it the Doll Orwan in the morthe
 artar another to the ixvelur goes from meet to eact, botween the villege of Ramohio and tho Truvalin yivore. the oort ond conly oroded limentome
 bean largely remenalble for the dictinet foras that oll of the throe platean have acquitw, the largest of the throeg know an the Matonu of
 so tho eliy of tho came mame. In me ucator io tho Motcau of romats. Renatly thorw woxt alcoovored inme copoctite of male juen morth of it. The Doll onam is ohiliy coumtry. Countaomble perte of ise area





Dobruas.
One of the ifetisctive tessurve of tho Dell Orwan somfor io 150

 lote the wator mop into the aromat. In onder to get to the metor teble
 atate angimeere septrued the mator of tho mala epringa and so the people of the Liall oyman lave better maply of vitor. Oa the other hand. Tho ground metore of the Dall oman, and for thet mather of tho Jobreage oo mil.
 with





 but are sosent, produced by the amate of mate.
 is




Leavige the foreot of tho Dell grean, had motne morth ond morthomet of

 pert of tho Deoructe miol 10 e rollime plein lacking in marice mater ont
















 Lotredsa.
 tho incitan miver. Undcul tealy thic is the outntentive fortile loninad of






 on the fortilo woile of the Thmesten Iomient.




## 51

time caly the sycuite hillo of Plovelv (Philippopolis), upom some of Fitch the old elty Fen built, toctity to the orfetn of the poct Buiken iowland.

Thile the lergor part of the Threctan loulend is mthin the baetn of the liaritga Miver, the mutpece featurns of the land mede geogrophere divide the lowland inte three parte. The mlale course of the Marltan eomplese the so callea Upper Thracian Loniand. It io onsivoly within the bounderios

 portion of huropean Tuxtcy. Weat of the lomer coureo of the Murtite ta the
 within Greok territory.

Tou Upper Thracien Lowland is tho best toveloped portion of the Meytte besin. It producen not caly mufficicat eoreale to foec ite doneo populetion byt yiele the lerget mount of riee grodueed in the Belkanc, ohlotly
 raicod not only to mpply lowal neods, but to find a place in the mytrote of
 Fim tometoen and exapos arw exportet in evar inereasing gunntities. Lareor areas ane devoted to cotton, eupecielly in the southorm parta of she itere zagorw diotriot, to muply a lerge pert of the hame comanytion.

Sastors myzace has beon leant coveloper. New is is incinced in the coonomic cehne of motorn Turkey. It is colonised by itohomedare who aro leaving other parts of the peninule, Fuled by Chyctians. To factlitnto
 gosiders buying mupplies of food for the new comener, the tana of the Covorninent zopromentetive to to holp tho settlers cultivate tho land and be colf-mutaining as woon poevible.

Orwece man beon very cetive in eolonising Toetern Threoe Meny of hor



 ductry io of grwat olenifionace in all ghrew parto of Tzreco, and onvelally -rough Alshanople, the place morm tho thro oome togethoro Vilumwnd, a









 made the contor of rose procuatsam samo mat to the nearus tow of zariovo ond 180 violuity.

The rost of tho Bulken lowimido, largor or ambler platao, mont of
 of fcod supply. On the othor hand, the etrotogle poettica of ocue of theng an the locove plati or the Sorte Hifing for fastmace, bew slayed an important part in tho metory of the Inlken countries.

If scoze of trouct the lovetion of the lowimade olour the mortiorn.

 In thic eaco tho iomiande inve netec se mice open antee mere evortoty. tho megpmed to bo peatiar by or mate it oposis of comike, cocsit have
cally eatered.
One In likely to monder, what would havo happened to the talkos Paitacula If it hae not bece co ematraily loonted asd ita "doorn"enthe lowleads-have bome offectivily clowed Dy anture'.

## T Empocraphy

 part, ewift. Moreover, thoy lack Im atability of Tolumemoverflow thoir obemels during tho apaing mason and greatly dwinde in late mumer and artrem. Tha iargor mivers bulld celtae at thotr mouthe. The seacore for all theag
 materehed of the land, whoh, for she moot part, wunt through the wide of
 Pivera. In tho sceond plece the leok of glaclorm and mowicide the the top

 largely

 -loper of theis uppor ohmunes. The repla new of meet of the balken rivers has holped the coveloyment of prigitive cavatile, fullerice, flour mile,

 the sievonie recton of the peningula is better suited to the covelogsent of

raverion os the rivers of the ponincule proper prectlealiy coen not

 of railroads during the late somatios of the lat eanturg. Tho move offlelont railroads took what little traffic was carried by keel boats down the river to the Aegean port of Enos. There are also historical evidences that some










 0822 se ofrestive renmiazy botwas the Bayman Featacria so the oovith of the giver tat the insio sorth of 1t. Alcan the Ekolo lometh of over 500 mive


 Balkan Teaimme.









4) Littorn2 inmone


os the Admiasio Sea ( 220 aquare miles) ©) Fuvial poade axe nostly gasto
 Elens the jenate.
V. CLEATE











 hifher that the iande of the cther two scuthern peainculte of gurope.
 0t olsmato over mall mroen. In tont, it is marpinime how, is man parte,

 olsmato.




 Atpine。


[^0]In oplte of the thet the Iende catmaine fro Frionto to Istaphol ero


 of this elimetio mone. "omever the more bypleal obarecterletic, nemely rufrleer cumser io maffcuted cals in the southornowe pert of the prafacula.




 reinfell diatribution we find that Julg is the driont wath and during tho









 (Attimat)

The lende of the striatie coant elffor from tothen in haviag cooler


 equalicumebot sof of the total minfoll ecming frow April to Soptwaer.

Elth July … agmil the drient month of the geas. Mowover those is a
 The Bosa, Whioh 10 e cold, northeriy wind, visite tho Alstetio conot in


 nezron recton of the iltserval:




 ceppertusen, now, and the Blapt of the Fenciar vist f ocutac by mes of the
 ent.

A leas but mazrow strotel of lend, ebout therymivo rilow in wisth.



 -budy ar the calajocto"

1 Giotto Dansolls, Raston Daleansoe. Tlpi di Clime " meiclopedia ITallane, Tolum Feope 910


 Ballenatces".

 in mulgarian.






















 The atogys alimete of onstorn marope, otwastional form, procomianten sot
 this eliwnis wone. the change frem cold finterw to hot munow io not
 Coye tre not unocrion. Fith texpomatise of $90^{\circ}$ Fo or ove $100^{\circ}$. In mico


 cantwast. Finile plemer, in the oanter of the Desmbman Tabla Znse, mefotore





 the ground for over forty inye.
 and the nocthorn part of acutinmoutom Ralemin. with the softa Mein in the

 here with only a



 Alplas eltmate ie ohmrectertetie of the himbent mountainn on the perineale.






 during the vintore The manmel mane of tempeseture io zetion low. the



 $68.8^{0}$. inchoc.

 atrady epote. swein throuphout the yent.

Gurneriatag the diecuenton of tyme of allmate. It moruld be moted that










[^1]5) Imanitional oontipantri zone. In the ecse of the f1rot and socond elimatio subutypes the myor villoye are chicf eveanes through wif the Mediterwacen influeace ponotretos. But the oxiotonee of the tranoltional continontol sone, couth of the modified stoppe zone, 10 due to the preserse
 Ca the whole, zospholoeg hat played a grenter part than goomephic lovetion tin tho fommotion of all thom typoe ame sub-types exiding on the Ralken Pentineula.

## 

The Palkan Pomincule io a veritnblo mecoum of flose siosa ero formd auch rave apeaimen as the Cucheian pleat Colth aucales and heborlea Fhodopencie, antive of tho contral part of the malkan tountelna, wioh io cald to exiet in no other pert of Europe. However tho proviling type of plant lifo io the vecotation of centrel surope.

Orl inally mont of the penimeule, includiag the contrel pati and nil of the northwent, outalde of the Adriatie ilttorn, wae meh in doelduous foraste, Jotwithstandiar the fact that mach mas out in the peot, thore io - good deal loft to mako almoet ono-thist of this part of the peninevia forested. The predonineting troee of deelduou* forent treen are onk and beech, intoruperced with osh, im, 11me, popler, willow, ote. In hicher moumetno ocalferoun trees predomineto. Difforent kinde of piac, fir, ensuee,
 exiat on treolea slopes ead humd mountnin perk.

The northenstern part of the peninoule ie conenfououbly lacking in Large forents. A predoninant fonture the landacnne is the atoppo-like vegetnition of cantern zurope. Parta of the Damubien Toble land and the Dooruaje ore lackiag oven in thrube. In enciy aumor the ground io covered Fith bloontue buluone plants and grepn groenes. A month or two leter nil

41
this gay vagetntion io gonc. The landecnge io ono of dxy and cosolete stoppe aevold of 18fo.


 charbeteriasio pinnt of voditermancer vecutesion. Thoze ase ormoan traen,

 VII sturns

The Balban Peafmanin io the coetorunont of the throe southorn laropean
 roch broader to the north end haviag so mounthin barrior to suparete it 850 the rect of the eontireat. It occunion - very inportmat otrntogie ponition.
 whet morme a movatetiz。

It coant lime, eapeotelly in the couth, is catzonoly artioulated.
 thow, the Falkan Hownening in the morthonat and to "Limnigyta" is the morthmaet, ore joung solcet mbuntafite in tho ocater, 10 tho Fholope ithentr, whom core connite of ald rocko.

 mich est the uny lowel Innce there.

The salkon Faineule proper is leoking in large Flvare. Theriten, the longent miver. ie not metpeble.



## 48

8) the coutreenthl of cuntral surope, and \%) the steppe of caotezn Busope. The Feppotition confonce, in eonerni. to the provilima typen of clinete.

## 

## A. Rentat

 2018.



 comme rublictud th the Boipnritea Madoust of felmaean.

 Aonting of ratucoce.
 sotia, 295w. Zamaluntik Delise.


 Seaty \% \%

## 



 in Jxwn





[^0]:    1. Poinafm Iftc o: Maditermoneon Cilisote
    2. Dincierv Itre of zazck fes InPluence
    
    3. ilajtemanai Instuence
    4. Mr.ck Sea In Inorce
    
    5. "mansitional jishne Intlu-nce
    
    6. mansitionsl Continentsi Climntic
    7. Anine C1tmese
[^1]:    2 See suliotin de le mociece Bulgate do gwogmphio-lowe IT. 1036.2.49

