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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

EASTERN KENTUCKY



1

Digitized by Hunt Institute for Botanical Documentation

ELUCY BRAUN
2702 MAY ST.
CINCINNATI, OHIO
OR
UNIVERSITY OF CINCINNATI

Black mt. Clements Trip, Och. 31.
Black mt., aug 77, 1931

Digitized by Hunt Institute for Botanical Documentation They made Be #12 Beech buch buckey mors ferre, voleto

Blick mt #1 1"m 16 NE, Sugar maple very prominent alternate convexo concare Concare - sugar maple prome. convert - oak + chesturet The convey is oak checkent Lorust on Bouch culover terwhenden in much # 2 more to east Digitized by Hunt Institute for Botanical Documentation Black mt summet -Dak - prestnut premmet s. maple - red mopa Under. chestnus reduch ore chool louss azulen, bit acer

bu. Digitized by Hunt Institute for Botanical Documentation Herbs Dicksma Grand Heleanther Strystorem a great Heleanther Aster dir Clam, bron Orlygonata Com gentian Kelin Cimical Sol, curtism Eufs mar Osmuch Rub alleglean. miles blek aster and Tharpier fer, per Pedicularis Ron hip Emporte Amphicana Smilescina ascl. phyto viola palmita

Clements pecture-down, maple more abundant, N.W. chest freeze off slope, red out chesting #3 Large brick Surly behind beich Clements puture south from fund in trans igitized by Hunt Institute for Botanical Documentation If hack there chesheck The les alm das in.

H 5 north - Chestrut Ist, in judge
then (dom) sugar myle
buch (them. b, also) Brunda - Rulus

#6. Oak chestnut plope m road down not far below summet.

S-SW slope along Lyndipole. Court Chestnut ned but cucumler nyssa merstory red och chestrus o hyssa Chen Kaln aurpen amal bac Suss Digitized by Hunt Institute for Botanical Documentation Ours alley Panie Looking Shr arross to Br. mt summy Thom alt myest meso ridge Theo

#0 Several Clements pretures Then armed benefit of Chestral-reducal 1+2 Down vally N.W. Slope to right to chestnut proge. Digitized by Hunt Institute for Botanical Documentation Clements preture nearly north plope. mixed meso- maple Secondary north slipe in Secondary pourt, passafras 10 & Cumberland Plateau from June Met

#12 Sycamore in Themlore, beach HIGH (S) MSyc Digitized by Hunt Institute for Botanical Documentation tero cline mesocline pan-clemax with the warm dry slope community meso cline, of the north slipe pan-climas -"I I The thinking in lems of pan clemples." The Fur climax (Cheech maple) lails the genera which. you would include. Similarly bree cont of northern fem. perhaps a chie to climat

Clements view of the eastern went of 3 great climates: W Buch - maple (north) (2) Dack - hickory (sur (3) oak- clientruft (E) In the area when these meet i. c. ecotore aspect more compley Recogneres "fasciations" of each Inseders beach maple the climan ass "fasustin" of this due to iner. morstere to the fact that it mingles gitized by Hunt Institute for Botanical Documentation mit adjacent climases Inclined to consider oakchestnut as clinax + mixed meso, as postclenay r.l. repr. a condition morster than the climate pers mel support. I hold climas - that oak chestnut which is confined to southerly twesterly slipest ridges is "pre-climat"); that it does had represent the arrange conditiones; that at an old lop would bringalous a lessing in oak cheslut + an ever we area of beech. mifel meso. I hold that teach - hemligh the core type, is postding

that it is confinell to the lonest slopes of deeper core where greater ground water or (and much much make conditions more most then arrage for the clement Buch extend /2 to 2/2
my up most sloper of meso extends to the log I hold that -Certain climay ass'y the So. app miled meto igitized by Hunt Institute for Botanical Documentation type there, the high raufa The hist, both grown (dates, the laid of temp, extremy decid ans fords on this continue - a complex association of many mers. species, willudity beech Sugar maple blasgirval y bucheye tulip cumentre / white oak (crotine of) (+ more in great Smokies) as Spalesco)

as the three caucal Jackers (two climatic, ne geologie gradually change mich wie dist from farmable center, the Dasrouatin beenes less I less complet on tetres species drof out due to me or mose of the dallow causes: (1) Longrainfall or love franciety to booth Effective in all direct perhaps more abrupting eastwardeastwardallmost. Causes increese lu area occupied by one of the other clemans val - cheshet or Digitized by Hunt Institute for Botanical Documentation (3) greater lemperature extremes Effective northwarf & or slaving migo. limiting B) Astonial, L. E. kost-glaced migrations, of perhaps even pre-glacial veg, feathern The time demons in mig. a Replachety restrondakin to it in o zachs (abrupt change at allegh loudary. a ranfall diff. note 1930 A.J. cond. B. local ecotines

(3) is supported by onaby of northward (partly (3)) the failure of some of these in farmable soil, eg Vtalesia a combination of 1 + 2 reflected in cult plant, as crepe my (3) is supported by a gradual dropping out due to 1 + 2., but paily mostly, the tem elent particularly in the We feetwores of barriers at least in Temp. holding lach my ed by Hunt Institute for Botanical Documentation Ex, the Kimi. - Ohis dind The principal imology is similar to that of the great lat, zeno - 8 rilled effect of firest a past variety & an absence of donume. but wer Sin lot a tendering formers dimin of centre formers into comme, which def dominant The umplefity the meso miles Tribaso complication by the odne of sp fint the other lail of area, & local as hall a regimal realine

Oak- pecking center is smalinestund ? Drank dominated by The most meso. Its have pushed farthers part of the meso forch, as white oak + (ors) red our Digitized by Hunt Institute for Botanical Documentation break is of the m. m. occur in higher outs as an altituding response. While (1) hes not decrease (2) does. Show in Black Into more bird, less tenh, more maple The norther beech grafte is maple heart had The bigliest m. m, is magle beck dich

Oak, chestrus lake form of . Chestnus - red oak Ohetwee - maple Chestrueboal is peare Och heikory appears we places for no reason this so apparent. They seen in this pection at least to be erol. equivalent Pinero pergeneau - a referentation tope, on Digitized by Hunt Institute for Botanical Documentation Petch pine-yellow pine type, which bales was a Represent a "fascisten" of The abundance of these mine in some places - eg on certain part of Penchil roch is a pardstone of coarse texture - there between Int., Pocono - which yield a very pardy port (2) Sandshue rock as surface (3) Fore- tends to merene pure areas.

From n. + W. rr. Turther endered that the forst with beech to clession Sounder balley belon 43 where ruggedness your may to low rounded beech to beech goes to top In one place -Beech on puch faces Digitized by Hunt Institute for Botanical Documentation Buch not always on tof present in at least 3/4 of libred; mich mey prattered Thes is from Cassville (should down [is a cross from forming as topog becomes less extreme the mess sp. con of the area of age That po; Climate ferst + lopry 2 nd, dimates inflors become by whe I top the tero-meso lights the chrisis tripes to a phono the rifes to a papering with despet

3 Barch also -Corning westerary as Cin., climatic change to took less orly m. m. restricted or pour slipes in some soils But it is stillclimate ehr Ass, which deselfs.
Digitized by Hunt Institute for Botanical Documentation At the end of a variety of

Digitized by Hunt Institute

Ky-ba. Bluck mountain, ang 27, 1931 Summit forest: white oah nige sugar maple (peld rak beech just off on north bushinger, since ash, white Core, n. slope buch occasional cucumber, walnut, basswood Chestnut on redge m. meso. on slopes walkey heads but higher elevation than chestones in place Digitized by Hunt Institute for Botanical Documentation (baccinium, 6 ft - sourish) Chestnipped oak type conspice + white oak milit agalea of bac, abundant in Lots of ferns - Osmunder Shruby azalen baccinium sph Sterrartia Ilex monterola Red oak moredge 12 ft, circ. BH at you freeler. Bushinge, brosch & maple increase on north stope Chestnut drops out

General - Ky- ba tryo, aug 193, Forest of Big Sandy balley route three Passbouleur mixed meso, prevails in which beech & sugar maple, + buckeye are conspice scirection of slope does not appear to be much of afactor -High pridge arossed before entering Prestonling contained more oak (not which good forest down valley from Prest. Trestonburg - Pikentle much vergin forest mixed meso. mogn. tripetala enters Papenlle-Jenkins Digitized by Hunt Institute for Botanical Documentation Hemlock enters slopes no streams Jenkins - Wise Pine (Cumberland mt. Firest paris mich exposure new summit mky side, considerably disturbed: oak - chestnut - history with heaths in underdong as asplea, mt lowel, baccinum, trarbutus The roch here is sandsline, Rhododendron in sheltered place Elescent on baside Rich meso, forest in cores. + valleys, contains much beech & hemlock, buskeye, mich Rhododendron, magn. tripetala everpic This type of mixed meso,

continues all the may to appelia Black mt - bu side considerably disturbed My sedo - descending out Southwesterly slope of other pliretions, mixed mes other derections, miles meso Sugar maple the first tree to mix mit oak & chestmer, also prominent in miles meso, which is beech, birch (more about high up tulip, sugar & red maple bushinge, lassword, walnut curumber, & no stream of lave hemloch by Hunt Institute for Botanical I Por Forh of Cumberland Cumberland, n.e. miled mesophytic, with Carge amount of Rewlork, exp. no slopes of spurs of Black hat. On Pene mt., Heleft) more pine is conspio Pine mr Type varies m, exposured soil mixey meso, Pilol pine - yellow pine, mrahy (ss.) southerly slife. Heaths very prom, new mordamel, bac, gayl, tr. arti, gaultherei, galax

Whitesburg to west of Jackson mixed mess. premile in from id. magn. Trepetala conspec Hernlock not so compice as in cores of higher mito, but present? White pine absent utroughnet area traversed, appearing for first time bet. Campton + Pine Ridge + continuing nearly to Stade Tulip first became conspec mky side of Bluck mx. There many 2 regrowth almost fune stand. also in M. meso, tall Digitized by Hunt Institute for Botanical Documentation igitized by Hunt Institute for Botanical Document

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