

Hunt Institute for Botanical Documentation 5th Floor, Hunt Library Carnegie Mellon University 4909 Frew Street Pittsburgh, PA 15213-3890 Telephone: 412-268-2434 Email: huntinst@andrew.cmu.edu Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

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.

Aniy 16 + 17: Contreny 16 + 17: Contreny 1943 (f. 1944 lester) + fa G. book 4 later hur 1 bit. reads some unndeped at cent by mig 6

eudro (17) III . 114 . (not used - propros)

To be Done Men time To be Done Men time Tragues de Strepium. Translet. sheet, Jumer. Herbell. [Sel. 3. 1. 9] Jumer. Herbell.

Digitized by Hunt Institute for Botanical Documentation

THE EXCELLENT MR RAY FATHER OF ENGLISH NATURALISTS CHRISTIAN FAITH IN A SCIENTIFIC AGE

"When a student of theology turns side (as it would seem) from his proper concern, when a normally active citizen in the middle of a great war fills moch of his time with the tife and work of a naturalist of the seventeenth century, it is reasonable that he should give some account of his eccentricity." With these words Dr. Raven prefaces his "greatonal explanation" for undertaking a full-length study of John Ray, the great English naturalist." In thyring the history of science it became clear to him that

Current of the strings are, when the strings are and attribute send it, as things are, when the strings conduct of the strings are and strings and strings are as a string are

<section-header><section-header><text><text><text>

Sloane, Tancred Robinson, Edward Lhwyd and, indeed, almost every naturalist in this country and abroad.

HIS ACHIEVEMENT

<text><text><text><text><text><text><text>



Lion for English, Wards, E. which Sheaf steelahed to be "the most important book ever published on the subject of English, dialets, with the sole exception of such publications as belong to the present (inneteents) century." In [69], 14 years before his death in [705, Ray in [69], 14 years before his death in [705, Ray in [69], 14 years before his death in [705, Ray in the Works of the Creation," his most popular and influential work. Of this sum-mary of the state of science in his day, packed with original observations and marked by the fresh and independent views on much that passed as scientific knowledge, Dr. Raven's estimate is that it supplied the background for the thought of

estimate is that it supplied the background for the thought of officer White and indeed for the naturalists of three generations; it was imitated, and extensively fibelogy ", and more than any other single book it initiated the true advenuer of modern science, and is the ancestor of the "Origin of Species." or of "I Evolution Creatrice."

Modelled to some extent on the "Antidote against Atheism " of Henry More, the Cam-bridge Platonist, but showing the scientific training and knowledge that More lacked, and free from the credulities of the older man, the book attacks the great problems of Creation and origins.

"THE WISDOM OF GOD"

Here Ray adopts the Copernican system, limits the number of constituents of matter, rejects the view that animals are auto-mata, transmulation of the elements, and spontaneous generation, as well as the medieval belies in witcheraft, the doctrine of signatures and so forth; and in the contro-versy about the origin of fossils, states his belief quite definitely that they are the remut of what were once living organisms. Hampen he was by the mental climate in which I the Book of Genesis, but yet, as Dr. Rave whows, he was singularly free from the limit tions which the old order in proceed. He we not an effect of the theory of the theory acknowledged his indebtedness to Paley, who are marked abave, drew so much from Ra He was not a philosophis theologian. But th whole field of contemporary science and con taning many points, especially of his ow observing, which are startlingly modern i observing which are startlingly modern to character."

For a century and a half after him, Dr. Raven concludes, " there was developed a type of theology, of which the "Wisdom of God" is the first example, capable of giving appro-priate expression to the Christian faith in a scientific age. This is John Ray's proper memorial."

THE TIMES LITERARY SUPPLEMENT SATURDAY FEBRUARY 6 1943

THE ENGLISH NATURALIST

In the biography of John Ray, reviewed on the opposite page, the Master of Christ's makes two related comments. He hails Ray as the progenitor of Gilbert White and the great English writers on nature, and as the man to whom, more than to any other, the development of the characteristic British interest in natural history has been due. He also notes, with a certain detachment, the phenomenon of himself, "a normally active citizen in the middle of a great war," occupying much of his time in tracking the footsteps of a seventeenth-century naturalist. The second fact is clearly one result of the first, and is not nearly so much of an "eccentricity as Dr. Raven almost self-deprecatingly suggests. Many an English soldier has paused on the fringe of battle to watch, say, a kestrel sparring with a rook, or has had his first glimpse of a hooded crow in the wet fields of the Salient. There comes to mind, too, such a book as Dr. Philip Gosse's memoirs of his service with the R.A.M.C. in the last war-much of which consists of observations on birds and beasts, especially mice, in the war zone. In truth, the love of plants and animals is so deeply ingrained in the English character that it will express itself, in a proportion of Englishmen, in almost any circumstances.

Digitized by H

On literature and the graphic arts this national trait has had a deep effect. It existed before Ray's time-can anyone doubt that Shakespeare had looked with a comprehending and loving eye upon the wild flowers of the riverside meadows at Stratford ?--- and even in a narrower sense, as a scientific writer, Ray had his forerunners. Thomas Johnson's Iter Plantarum Investigationis . . . in Agrum Cantianum preceded by more than thirty years Ray's Catalogus Plantarum circa Cantabrigiam nascentium, and though the Catalogus has the honour of being the first full-fledged botanical study of an English region, yet the Iter, too, deserves remembrance. No doubt without Ray Great Britain would still have produced its naturalists, who would often also have been poets and painters. The ferment was there, and would have worked. But the fact remains that, as things turned out, John Ray, the Essex blacksmith's son, was the first modern Englishman to grasp the essential truth that nature was something to be studied from the world around, and not to be grubbed out of ancient authors such as Dioscorides, as the herbalists had attempted to do. This changed attitude it was which gave a basis of actuality and sound reasoning to subsequent writers, a sense of natural history as a rational study for men of culture and

understanding, whether, like Gilbert White or, on a higher plane of intellectual achievement, Charles Darwin, they made it their main aim in writing, or, like Cowper and Wordsworth, referred to it only incidentally, allusively, or by way of illustration.

Natural history, in one form or the other, has through literature long been one of the strong formative influences on the English mind, and it has also had its effect on and through piccorial art. Partly this was from the need for illustrations, of which Ray himself felt the lack, particularly in the case of birds. English bird drawings of the seventeenth century do survive

--not merely such comparative crudities as Daniel King's representation of the Great Auk, but the far more skilful and artistic pen drawings of Francis Barlow. Yet it was left to the eightenth century to build up the tradition of natural history draughtsmanship, growing with increasing naturalism through men like George Edwards (firmly bound to the convention of a large, bird seated on a far/uso simil tree strang) and Charles Collins, until it reached such heights as the delicate and precise botanical drawings of James Sowerby, and the woodcuts, so full of observation, feeling and humour, of Thomas Bewick.

There is, indeed, no end to the tale of the ramifications of the love and study of nature among English and Scottish people. It crops up in all conditions and in every class. The shores, fields and hedges of Britain have been searched as lovingly by the labourer John Clare as by the parson Charles Kingsley or the philosopher John Stuart Mill, whose records of many rare plants are to be found in Brewer's "Flora of Surrey." To the poor cobbler Thomas Edward, whose life is movingly told by Samuel Smiles, the charm of birds was as much a passion and a solace as it was to the ageing statesman Grey of Fallodon. Today the interest in natural history is as strong as ever-witness almost any publisher's catalogue—but it has its dangers, in particular the tendency to separate "natural history" from "science" and to leave the former too much to the amateur. In these times of narrow specialization, it is not always easy for a professional scientist to be also a good naturalist, though some of them still manage it. And if a contempla-tion of the life of John Ray acts as a fresh inspiration to go for knowledge to the living things themselves, and to see the detail n its proper setting, that will but be one nore debt owed to a great Englishman.

Whenny, F. R. (1537) Astunanul Thayer in Renamance 342.2. 0.50.2 3 England Mars of the English Frenchige Writing for 1500 5 1645 p3. the unlerent i de phose of trene to under freed in Elizabethan Eyle, extract odle to literate class, The number varies I projula such for boots printed a to verno what Day the period puride one, to mon synfree phenomen 1 the ge, ... un topmal regt , I tay, tyle row more organd works 1 significant - Third ruine functed in the Ahr- GO & J& Faulty wates in Eye wen filled to venerale, 500 for 5 Johnson con Detarin, 40 the court can claim near - byt - propulsin & to w & 1500 & 1640 venerular team any ten county. per \$ 1500 \$ 1640 Ma Gunta l'institutte for Bost a Demoles to Dorlins 7 De Caedo Aunte for Bost a Demoles for agenta Democutus stuctmente rebut // pulinges, agenta Democutus stuctmente rebut / pulinges, agenta this assertion that then was a infinite newboy world, strin they) 5 Amin court dut i y m the. [to fue us anti- Austolelin is bey an chomine. It A) PCto hi bu wehn & Treat to Dochung 1 & atomius my teched. Sur ant. August & pro Pleto : buy an atomist pringhe a Arstell's comelys. The the anite be notes excets beg Spline J & fixed ites. Le De Carlo I. 7. p 275 I 5+275 4 II. 1 (24) this frinte uneren wo extend par Austalli doction Joelang toral in the ang fecture plustighter on S not phil, vijeta & dustin plustighter on S not phil, grew fineas alt the relieves attais on S not phil, grew fineas alt the relieves attais on S not phil, He osinger. Hur, the \$155. Avendes tot h Andret view jo cleaner 15 hickness

Johnson FR (1537) Smill sign geart 2 pur Andutt believe a a prior grands, in the dis offer my sourd proofs of "tractite earthers of herical. He dis held tom Cargoan worthe stars was not of great sign. 142" Because 20 may people tody how the mestate robor this the belief in the ensignificant size of I carte dots for apennus, Austates datements antes puerte deservo Thend attention " (See to prod) 1277 Watercary 7 Austall, the three centry Schoolmen a the Unverse Paris durlyne a "neture treedogs the one nyntiss 10 Austoklian, stin tean te Platmic, mentific Milingy; + Chustin treity. His nyntheis, dury worker Themas Apunos, resulted a te entermement of Austit ste ufsluth ditcha in de notine pluenty. n min be arren bene that a to cary find and 16 an. freite was recogned as an indispensate frai Pithe quepunent a fren-how kuntert 75 ideas or descaveries y to ancien-Funtests was the Jundetter upon dien furter progress men-be based, sture to Jeach laguage is to neversay her 5 Rogen Archam in influenter in carrierin whe establisher in Byling 15 bernarula tradition of security expension. 1922. He purts " they compare a August the a psu. He purts " they conneel of Ausstatte, 18 perhoas to Comon pregle &, & tombe a vise men do. Pular & Jox opules in Ergles Whis , Pope Archan el. UA Wayer. Canbra Gos. pxiv Themetry to Copenius they contraducted nead way postelet tordent motions whereas a free element to etca.

Johnson F. R. (1537) 35 Day to med - six leent centry Peter Rames vos thomas notrues ponen 1 Austell Austakleaner andomi antes. In the most is is much at & Univers 1 Pais he alful - 1536 a thress " Ale than Austat he ken's false." Zodiaring Vitac fur frugel i Venice dou-1531 Dab Minglien Johnte in Contenging to angle vo Voj green. An ardine neo-Pletmini. DAD to plume, Denortos (in a time about 1645) "fun mode stell fett in Gylw, & reinforce the trendenies dung will aslited ward the mothemative interpreten ; the physical wall of the uniter . by Hupto institute for Dio funite selen - particles Infance, in statute between two kins is a Orbite monorally year as the beginning I chew period. Bater secon + in chosen as the beginning I chew period. Bater secon + in Johnson formets we have conception of the second and the generation of the generation of the second No loga can we arrayo, frank, the notes that extente any Eythe recence was Amunited & a nore Austriction on the Influe very the first such so predomined Pletonia Milingue barten IS they react is predomined pletonia outagen a tea - met mader a practite tens + the prode outagen a tea - met mader a practite tens + the prode of philinguest constrained to the plus of the point to the term of the new experiments meters. - The ideas of the philinguest constrained the philinghes, paralage to the cuton pre-boustic Actual philinghes, paralage to have the cuton pre-boustic Actual philinghes, we do have the the the official would , we do have the present of the official would , we do have the present of the official would , we do have the terms of the official would , we do have Johns: Me ature handling science in Eight ores, in faur, men game Austate tranfi him. Ryen Baren hird ben to chief Dissenter for & rigidity 18 Themiere ynteris (Hustten Dissenter for & rigidity 18 Themiere ynteris (Hustten During Churdien to cology, that sough to use to needy

Isane suchipicates, That And putriples a Johnson CR (1537) 46 findat of futur pyper ration than as mit and f couching questies that he give defente find & answers, his sport, never lest g lis necesses, alguns, new vigor a to medele , to Esta runa show a usepundent dtilude toward at Six learts Cantz. In Themas this and took the lead in abounding to anyth anter out on . with of learn works to Vernerelar. The close underland ; > Co-operation between scholands sweet on - + technicians was an autotag characteristic of t scialpr morano : Egel for 15 50 minad. Uprit thits 15 Rge bour. 1667 pus, a the Heritaging 5 R.S. xaited. Planlangure. Themes Dyges 1571 - This prefer de 2 5mg chines This fotos of antometric defour tom / chinical "lern man more than writy " b tylen tong, technil tes . I have retained to Letin a greate names, sind lives fyures ... than beg beeing indust in deede certan testimmies s menneds here such treences fain toy chieftie rymall, "" when languess - countries try chieftie ftimutual, " of the Toles F. Ban advort un alund : preter ftimutual, " 56 mus to front pe ides secence ter an pipeles mus to front of Praries Bara storeverteen centry associations per for publicly around creed to tryler and dreing per to your the letter buly) supliente centry.

Stearns, R. F. (1963) The Scinlip Spin Sew by - Englis: Early Modern Times (C.1600) ISis. VA XXXIV, 1963 pp 293-307 Det 1543 at Munpopur's to frew extern therefor Johnson, Fill. (1937) Charles Linge & Preserved Smite adopt 1543 as t "But in Englis to unbolent - 1 to socialify ipinis "But in Englis to unbolent - 1 to socialify ipinis Bequents engined to tee era 1 hours Bacan, Villiem Jilben 5 Ulliam Haury. These to see men, walky more a undersonet, an represent se as how simultaneous stimulies you to metarity of production upon level of builds, nevices English preparties a foundation upon level of builds, It toget 3 me If there 3 men interstand the recentify price in tyle, we for twin Means full gran in the free question , the present. 1 - full 60 years ofter is appearence checken y Eugle Institute flat lost decade a xo his them to men water The witch lindes theo by the givent of toor maning ? the view. The witch lindes theo by the givent of toor maning? the view. The witch lindes theo by the givent of toor maning? the view. I have a new lost of the fillents); maning because tradie then a new lost of the lefter of; the same because or theo tranking because or theo the solution of the solutio Whishere Austite sait, a as they may times for fell. Whishere Austite sait, a as they may times for fell.) pose not for issue for truthe they may rulet me,) pose not for issue for ariogani to his that seeks a fuck) the fails for guile I commen to its we all is merer is the fails for guile I colleve the weath is merer is (see Firster Vater. A Schwaus of the line to all of the Multiple Arighte way the chellen to the The infollights Aritete un the challen : Entre source into beter 1550 - 1600 proge- 300 The last serving curs 1 16: center or the were a formation proceed - the Sweet of recented spice . B 1570 to such for spice un noting under embler of the unvertisets to be do because a prover propellar in medical con americas . E Ban Jelbur Hang show cohavedy designed of this Eyler sciences

The Zodiake of Ge, written by the saellen - + Jyn. 7. 57.4 Christian Port, Marcellus Palinjenius Shellatus. namlas our 7 Latine un. Englisshe, by Barnabie Jooge + 5 him newly recognished. Superital at Lowdon for Raufe Nachorie dwelly i Flatestreet; a lette abwe the Conduit. Amo Dumini 1576 Jupon p 138 Whitsoever Aristothe south, a any of them all, I passe not for : sure fin the truth they many times fale. Of - punden, frow, & famins men, in errors chance to falls, the many untits into them deceive there tay themselves go tode? And many untits into them deceive there tay themselves go tode? Les-no man unde me arrogen , for reason rulette me, The fact full guide & conserven con : les-hun ton seeks & fun The trute, love her, + followe her we de his may un - + muid. Digitized by Hunt Institute for Borznical Anora Thration Frances & Johnson Suits Led, 5 plie Frentier in Renamente Eylen. A ded, 5 plie Frentier Witzp f 1500 07645 Bellin 1537

The frete Herbell whiche gevett party knowlede v understanding of all maner of herbes , there pracy is vertue Sel. 3.147 And god hatt ordegned for our prospersos welfare a hetter, f the hele & cure all maner of diserses + sekeners that full a mysfortune & all maner of treat aires I food created, partyped ymany & per & wya, mayarcis a Atricenses Prefare (2 Jun 1: U.) 2 detanall for hate gyven I his haboundante free, values u de moner 7 habes or aux - heale de maner ? Dekenesses a infyrmytes to hym befolling befollyng truck the applicant course of the four elementes before sayd, on the course applicant course of the four elementes ayros contrarye geheette The north contre's compyled, composed & austicity sed J-man. Digitized have they may note dort ness + their may tes in Auranne, Parstee, Contentines. Auranne, Parsete, Internes Inesse. Wilhelmus, Platearus, John Branke, Small Hale Occupit Hay, flbates, Part domeus, & more Healed Occupit medue dahed england og to fulper due courses . sheleter in the forme Mabelles inv i gene astrongiel mythestimeter Alves is a word vin hote - drye - the is degue. This wood is finde in a flode ; hye Babylone nyph wheely rennete a Assa felyde fomme 7 e tre tur juwett "beynde th De Amido. An oring y maky strand for their amounts in preter parta mil Ajarius. 5 an & Greuns the growth nyge to g' when I a sayin the , maner of a muscheroni Allen. The wow an uprode Iam

field Herboll voyuens due saye 1dys poweth in inde. Anacardes is the frietes I ally source than) see those (Even und the Jacua Jame Drugs an inknow) see those (Even und the Jacua Jame Drugs an inknow) of the former Alcament a is forme in place beyone to see, (where agopener specyally " Cycyll . Aspaltur id en bitumen Judaicum ... Someray the Aspitum " mude 7 the scomme 1 c lake haudened un chelle the labor of Chelle Comme 1 c chelke in the under lake Into Sodome - Jomour perysshed. Braz & (VIII Braze is an herbe + hate rugh leves ris named bourage. (of goodes: Alberta mayors "Alberta 485. vi. 291 De Buylosse. Ox Impue, a langdebefe (X VII) gitized by The the the often caten confirmente , conservet the mynde & may vyne the the payte Otanical Do a may up to make for the mery in a prime interior Tohe torota ten buglose hate be toden " - mynthe" twi hous a chambe, 5 all they been the kynds & maners. Metyne to wyte that bythe colour 1 the shyse, a bourache. Bedegaur 10 e thome a brere ... Som seg the bedegaur 10 c superflugte habe a Canea lynee Ce XC II It's the backer Je lyfell tree that le casea typice le ce l'ébelyton privete turande the ende planett - the myddes, the privete turande the ende planett - the myddes, the Ga. Cill When saffin flourest - partied the s floures sprynge the digres a small floures last - partient flo Clemes arometers. " the rote] - lyfell the trais lyfe to chede a rysthe + hatersvery swete mel. It's concaved + holore. with De Calamo trometro. Ce. CV

Cepe Simester, " the Commune a tameonin 31 E Cex XX V. A cantum unt Writer cherry byure Ben Cup CXIX unrengrischt frynce in this sterves are wal sponts Cp CXXXVI Cotledin Cotiledim is a perfer ... and is called unbalaric It hath runde leves T thicke "fravete an coveriges I dde buyldyngs frider ny byten theres to day on is Cy CXXXI Calendus, marygnoles, a ruddo (y CXXXI Calendus, many profes, a ruddo The descripts is ardent tray for feester & bydeales; make garland give whan tray for feester & bydeales; In the perture " fair request well floor har found of the In the perture " fair request well floor har found of the CXXXII Ceterach is an herbe ro named. It privete a gagnit Ad walles In upon sloves " upon dale edyby cos 1 stines. The funter a univorum to be the me from two is dea doin it The firster a unicomments the gleanical Document De Consilide maiore. Whis habe her whethere whether to fyre repus ? Han a not. For un tan the circum of cherry " creany wor un represens from un deeps server Or to Danne Crocx LIII degrad burn / Onter Santet's for Danne Crocx LIII degrad burn / Onter Santet's for Dantelis Dats - CrocX LVII, be samputan Samain Reagante to curse fy) die fals Reagante to change for the While Helleton 5 caryon y -V Ca c LVII for I Stomais Seel Co C L X IIII De spitale feleder, Jelave flage. Typue dyn huten 9 a selle respirale myn To forkule futen 9 a selle respirale shubery. Co C L XXX . De funge. Co C L XXX . De funge.

Jet Herby 12 Cop. CXCI Bright futer Con could "It provet fit a gid 4 The seed fromwell's "clere & Whyte shynynge & therefore "'s called grayne ? g' sonne ang Cup CCXV "Im coll is prestes hoke, fit hatte or wwere a cepe & chorque in & lyke serpentyne ? digons, he serpentyne is loge. I grunde : magnificaes & drye & on hylle, & each heads, i my be De Jaro. Cuckove pyatyll pabel - wynter - somer = The some puties my to word of more them one plan-Lillie be hote + mayer, then by two moners, terrible it the tare is there is there is there is there is the to be the there is the the best of the mouse of the hours of the the territies of the hours of the the territies of the the territies of territs of ter bland ingt - Marting ute for Bothen ted had determentation cop c c X XX IIII De lingue autor he trees to ferlatt. In form. Lingue auro is of sed 1 alt tach keys ferlatt. In form. Lingue tingues, & some collettach keys c c X LV byrdes tingues, & some collettach news c c X LV CREATH Unnumber next & CCXLV De Coles, Colegel Dos Couble mean somety ten juis in chear i) Lupintes is an habe then provert in header & rampets a manee of a header coller bymy a whyte byne & is callier hoppes, ye laves treact be ly he netels, , Rets Sharpe savar & Faite. Computer den Lancedute & called lytell platayn stores; upon otes. Plantens CCCXLIIII - CCCXLU

De pede columbins. Dives foto CCC LXI hote runde 5, Pes columbines, doves foto son habe them i hote runde 5, Pes columbines, doves foto / + + Hollin + leves be reedyste, cagged leves + is yhe course foto / + + Hollin + leves be reedyste, cagged leves + is yhe course, - is stretchett a tearte. It provide 5 13 " sands pleves. Here moden for to t. H. flows 15 color 15ths" is (2. to vand bleve moden for to t. H. flows 15 color 15ths" is offener to express with follow) the ? purple. offering to express und follow) Begi Ca. CCC L X 11 Cy CCCLXVI Rewbarke... then be two manees theref. Oren Med Renbarbarum, bycaunia gravettin strange Countrees. And barbarum latyne is straunge in englysshe, i in grunette in Inde a barbary, therfore is called & rentarbe. The Mais rewpenticun, bycausi i frencte in an yle called pontricum. Or bycause i holle c pontyke savner Zed bært fin men fragens called rosmany » bur ros enerunes a u were deux of the dee for Bottemical Documentat The cam perture used & cheng & deady myter share Dwalk. De Solatio rester. Cip CCCLXXIX betom by the Chycony Gra G CCCXCII CaccelXXI. fin futur blantbey. Chycory & Ca CCCXCII Morea Solis "Whan the Sonne upsete the flour penete, in- clreth chan the some gooth downe. Ca CCCXCIX. Asperson. The fr. in herbots - c Cp. CCCCX. Serpention ; therange alled dragmo, n Course for Gevers you be drante fevers y whe dronken. (Tolingtets NA)

Jule Habell 14 Cop CCCCXIX Serpellion is an herbe to colled by causeth it grypett & predetty s smellett like mayaugn. Cp CCCCXLII Syance is ray a cockyll Virga partous Cop CCCC LXII "It berette a tasyl on to stalke ghe the tangel I clothy as he was not hoked. for one puter CCCLXIX The woman (and) ? Salane gade willago the law thendy Digitized by FEGGE XXIX Lyana, Ray, drawte, Jainell. an ageryll week of found to that Documentation protein myre be completion (A puter being we relater Buyar) Mr. sugres mode I cannes i more i boll rysoches, Mind i full gowet tyth, wir called the hong carno. Il-Mwette is spagne - cyculle Sugar Demotes to gharter your Bos is an oxe are beest well knowen Derabes to a hart my or) to every man, The hotter of oxes flowshe confecte confected strenght mare a body, them fleesthe of ony other bests have juice later of the internet hangry iiii. fets . And therfore a svery projettle f Plys. Re (gp p CCCC LXXX IX Lehe persones.

Jack Huble 7 15 Colophan Imprented at andon a South worke by me Peter Trevenis ducting dwellynge in the sygne of the worknow. In the year year our lade god, M. D. XXVI. the XXVII Day 7 They about terms an denter un or discors la start dons aprophons sund of the pain in some menter a again up madrin aprophons of XXX down of the bondell of musicout = To moh a chylde mery / haye a bondell & mugione Brimie is die callel, cucurlyte aparts, this wy lde Brimie is die callel, cucurlyte aparts, this wy lde undes. Some cheir ortes allen. I Junisten migst Genung provides i the under + is hetere prete to co benets too k. 9. In this is the under + to Warke. Then to co well. Two k. 9. In this is the blacke, the two het is and be and reed sede is called to blacke, the two het is and be and a C X XVII , tagant Gramen is a compon herbe, " hat leves light grane the felde, her it's some har shaper, names. The felde, her it's some hat divers names. I preset ferre on the orthe, " hat divers names. La. CLXXVIII Fre payne of the tester when tray be lose rwagge on the Jawe borne to make is themake Ca Co CXXVIII "Then be two maners the male, " of female, " to conte that the between the the provent, of female, of the providence of the second participation of the solution of the sol CC X C VII millefoly a yarare in some plans Gn

fut the ball 168 De SAdanez. Runter der MA Soldener ... growth is sandy froundes & on the see brymmes, That mall rounde leves to lytell rote type. The flowre is lyke the flowe I agar bachara The leves appere a g eithe is to ghe currente, trais dodyr. Ca. CCCC X XXVII De Syello sancte marie. Or Soft Lyllum sancte manye, " synllum Salemonis is al one herbe their called Salamons seale a un ladres reale ift herbe their called Salamons seale a un tarte shalt loves lybe fruct a derke shadavy places " forestes state loves lyke arsmere " lytell mal chyte flaver," but red seed seed a - rowe two two me & anotee a ader that - ulyt knots a - rowe prechilme & fragm. DigitizeAbstanian to B two kyndes a lerapitus say to The male the femal + ' bothe one' future o vertue hat find and the first yelve floures lyke the soffware. This + men the two to the 5-4 glower the software, tens Ven by comment, expland, tens melanchy is comment of folg as chan one wyll be alone melanchy is commence ever n ge worst & nat on the bear musynge & fant assenge ever n ge worst & nat on the bear man musynge & fant assenge ever n wayne whenhe program to in makegrige of me sorowe, sorower twagne which purpor to man can put lign for the myte which many me regarde him for fole + all of the reason of his melanely ournes the folywhe fant arges all maner 1 herbes the methods the comprehenderd ... everyche a j them chaptred by hymselfe, & a every method Chaptre dyness claures wherin 's thewed dyness maner from I med yrynes a marked of the hette I man "noty byed & marked of the hette I man (article en) (to) = systemiting anny w an under 1 plans an Obyry ? dress with and . Just and alphabeteriel 'Institus not carned an with and . Just and alphabeteriel letters .

Bunber Herbol my be regard athe & 5 cand 1 the by lim & dearned "7 smedewel water a medicant plant, a as to beging 7 ht tool Hunter we writer a compilate , the decte moder tax many. Insprudicenses i ly - like word wyrangs 7 ling plans The provide of the for time in the for the for the pointy there makes in proside of the four time in the for the for the set is here perenter to spens concerned to the in the there of the the former of the former Alu- 260 pins by my Munbes Les tor a centry lete the number I know plants to meren » enorming the Carpo Bautin who underta the Synta last avoidents to carty nomenetite enclus Lis Pinag too Meatre Valan about the boos spices. At and the Institute for Botanisal Telement plans Musters and to defor To Botanisal Telement plans Musters and to defor To but all the une Enter Bor Redue to defor To but "Votules and freeme women ho purto but "Votules have been on Jis same Junfogie Condy do have been on Jis same Junfogie women (Us lendly an expertingenees (ii 13 Eufogie) to curver dont fisters. Muster much he for the forman dont fisters. Muster on the for the forman dont fisters. Muster on the for the forman dont fisters. Muster on the barry be to curve on the plans of the of the formation of the formation of the Muster of the formation of the formation of the Tais legs but - Bunger but was and the second of the formation of the second of the formation of the second Toris less bund - Bunger pulsum - Durunds, Plenz, Muleus F15: , can 16 centus, Mure ply sen 6 Durunds + commentais , Runderberk. Durunds + club bins , Runderberk. 10:34 10'84 Weidely s not the one dray utime and compare Winder refer 5 - pretones er surlptores " i. 181 5 Deliniet ones er saulptones" i 217. an the late page he coplains town order 5 help the draught men ~ engrives employed he was bly orneliede

pregue TA (1928) 218 cater harts , dive he know nothing has the ferren name is to pregating porgrams the Inholent othe Contrafayt Reciterburd, Brunfes mentions that he has office veg a pow del Ato martes " jourgmen engravers (den meerten und Gahafactgerenen) a u voi in their power & dunt and to ha factgerenen) a u voi in their power & dunt the they like a ven de & execute. 25 32° chipte] the Lann Dubuducto be aplans the At strene of deput anagenes to look is due This hing he state up care plan of the denyme (maler) fourthes is . Manyne suggests too then we sever from et white enjowers waty under Weidety. La M. L. Jreen, Histy Plan Mimerelatur, Kur Bull. 15 17. 403-15 2 Runger to Later normes Batanical Deducentat he now vernorale news groly toal only only then be call not he you it . + A) has he does not seen than hed of when I gang a plum me Low non study or. It call butterings (Peo corvinus (Ravio for)) Di artitatz De pede corvino in courners : perlam ott raven - pes ; mersalin (+ A) la he des une un complete Coronopus metter a Crues Galli manufic Orlands i den the more blands i den M. 84, 85. He had not dlan the more blands i den 000 tem species . - he jus means "Friend". Apperenne for sangle 5 they that anything for - family deference of varietat difference might come under speer difference to under Search difference might come under C. (657) En unten Seuphulan main = trupulai undere C. (187) 19 73.7 minin = Rammenter France L. 10 73,74 Le. males 1 3 de for famles a proper - any ton a moder inte worked ug adopte f 3 pers) externers. (ue mente tos)

Burbes prayan 1928 319 Junpy 7 plans Plans them somery resently respent wer enous of Deamer Colubrine, therested shymm, Polymun Bistote C, - Confin they are the endu- la markips a telan J. Drawmaks origais) this At Schelt beig suffrun variant ften under . to rann jenes . Immete flam var junger Mozetters an arround their copent I heady wounds, when consolida, i is varen boledays event ande matming undeted gener. Bungels apples to tan i made femile some plant; there Bungels apples this really ingles there shill mit underton. Terms never this he was then sund, mit Demends, he define Joes. the fine in this to be don't follow Demends, he class defines the terms from the Demends, he class the fine is the blue prinzelle, femal ; the class Real prinzes are to blue prinzelle, for last define Angelis awards (1953 at 1) make to clut define Magelis awards (1953 at 2) make to the former that and the former for the former that the definition of the former to the former that and the former for the former that the former that the definition of the former to the former that the definition of the former to the former that the definition of the former that the former that the definition of the former to the former that the former the former to the former that the former that the former to the former that the former that the former that the former the former the former that the former that the former that the former the former the former that the former the former that the former that the former that the form (Limen mentet is given y Benton - varie 77 Lamen albun. Beta collie propered Autgue & adany dea nette. A A) - M26.25. Bungets hall contains many fyrus ahm my to ugand > Som 18 hardital Stanones und & herdlichthen current foly time. Formston Alberto Myns (un 1250) = 4; De vegeldebes lebi VII, gross e dereyn Borago Imi vo for termine can be wentere in the peins figned Baufes - 15 30 and the lanne vome mus know > Borago Africando L p 85. En Engren plans the earliest work genes cites & humans was Come Bailing Proof 116 vol, stor earliestal generally atted & C. Bailing tos Bringer herbod. I's them i deno atted & C. Bailing to Bringer HAT filiation of Branfes & Lennaces (+ A)

4 20 Bunfils Linnae myne, 19 6 usil at work of the United Branges any to Auctors, the usil at work mental " It begins to Theirs Mantaces, the he proved of to I" oderone of the headed, rows of " the vlume ten the figues can be regarde a typeling tenner meis Revenhert of Dumbos' pais If to 255 mis & vaniets - shubil, 70 ver home 5 Theyburs, duo Dimante, Climetter oter cutes) United Rome perce, +45 " medered time, at remay 47 by new" - & Serve put key growing bur Delpo" proves wate. "It new "peris conclude Anemin nemice + Anemin Pichethe, Candemine Anemine Platon medie, Caline vulgais, 5-rophile vern proteinis, Platon more importance addition, Brunges Intervise, More importance addition, Pichethe Or unopuply nothingeen fler eg. Anemin Pichethe automine proteinist at marine ordrains were under for any automine proteinist at marine ordrains were under for any other game to all, a and sheep industs marine property for protein Spelling des Dune Imarine felents Ellisued Roman freed, +45 in mederal times, a Spllup ofer. Dome Ismailin peterts more that a the front and the former and the f Bunfel fur record to dall form 1 Renunculs Purlare (Partulace derece) how a fund a lean - 50 15 opens alter fin 5 how a fund you I Fuchs had provide ben fyred & Bunges; nene spais citet has bearing Descound for Bunges; with dentate in Bunges; with

21 Eunin Cardi Simesusii medini Bolanologica . Coloniae Hog A per tr. 6.5. Ivannen gymnuum Anno DM XX X IIII tr. 6.5. Public Quid his cum à tuilessemis * nonnunguam mulierculis et colonis didecerim non puder-me vel à minimo puero doceri, re Dum à vobis doctonimis vires fallus Utinam imitatres te fuerit Brunfebruis, qui binam herbarum tuarum partem non ad historicam fidem sed vulgarem poticies inducationem et openienen hunxit * Disco, Dedici pinxi. Digitized by Hunt Institute for Botanical Documentation a vibro me aliqued discere. Nijer. A notro to O do working the fallies is - he does not Jisces. sean the on 1 5 people menter at the beging Shaw learnes Cordus. Why not? since for to poorer person roomer o hubowmen "sure) hav is ony time learns - f to lasher women DSR hunder + hurbendmen.

Juan M L History Plann-Nomencloteen 22 Ten Bull. 1927 pp 403-415 phos Fish Way Wisconsin une don-120 Il menomini Indus 7 Wisconsin une don-120 differ spear - medianes + 45 f for . The had reparte norms & 2 spears 1 Amelanchica this entre part recenty wen int Distiguest y behavers (Smith It H. Ethnobitary) & menomine Indians. Bull. Pull. Mus, milevankee . 1923) Spall Pull. Mus, milevankee . 1923) Swentfi name Hant herr gun advants we common names." By express relationsty, they are interesting, Attag on relatively una herrors. Immen nono: "Berpus relationsty, thy an interested they are relating unamby www." Heytrets have be yetos-b comments was, "heytrets have be Very man 1 to: " fresh names was, "heytrets trentties "hypelinted" to scartifie neme, next, truthortie, "hypelinted", to scartifie neme, ferrers, next, to beaching "hum , Apariages, to much there win to the houses perfection "hum , Apariages, to much there win to the merits of effection "hum , the letter A. men there win the someties "here express ferrers when the merits fire of the "herefore to used to nom 1" comment prises a generies "herefore to used to nom 1" comment from the other "herefore to used to nom 1" comment from the other "herefore to used to nom 1" comment from the other "herefore to used to nom 1" comment from the other "herefore to used to nom 1" comment from the other "herefore the Days was sciences from a back"; Days "peries. Thus Days was sciences to the other 's top yet." "to the physe of the other other 's top yet." platyphyllos, Querus Concymine & Sunt oak J. No myrtin nomendutur powsethet until to beging the 10° center cluste nomendutur powsethet until to beging the finanche coluste seen to was J. Rivinus (1652-120) the finanche cluste seen to was J. Constitution to the the plan Completion de Seen a wards (avenues (1652 - 170) and a grad the che Sander Chemit. Cerefolium, the star ypers C. ny locatu che Manyments renormed certain an and themescae (Comparter Manyments renormed certain an athematicae (Comparter Manufollegera (Warts ecodes), themphases renore i many and Multiplera (Certainodos , the the many to many wo milly juice) Certainodos , the the many to Purpus for vans chat for , namy tonds tubers total a binominal system.

freena, dr. l. / and) Hurt nomendate Brunfes ... Seen There there on name as good co 23 another, The have used them mon in less undeffecenty; In many cases he adopto me name a to take yo difference of the Murhatin . p407-0 Fuels sometis used brong name I ray a does not seen & have attached spead upportance to the Lata names which an someties mere translater, the Jerman. Fuchs, because he was convent that & Jermo Plantago agreeties " which at with Alime I to peets, uses to letter home is too text. Trayers have restored to reyout name Plantys Digitized begettent Institute for Botanical Decomptation Eus hw all & Forglive Digitales, we in Eus hw all & Forglive Digitales, we in Eus hw all & Forglive Mean the int, min "yo" Zar angme name the flawer shill name in Considerate of to form 1 to flaver shill name in Canyoule in silvester, a leer of to time bies, r wiltoman appropriate nome thell aim. Then an treese tran colin "Dystalis." Theder two ton Jenen 5 the name Culi botton y Serve. Carbos hus - certur ugen & priority names. He fin for instrum tex to name Experimine 3 equip & Disseries hur burn griften & Ajumania, the proceeder overtains 6405 2 57 2 phos h & pend, neal c center for Brunfel Hab. v. c to Capu Bachies Penox Theater Helen, nugned spins w been derubed & botaniest a vaiis pars , Europe e.S.

24 freen M. L Cont. Labennaematans - Camerans - Jerry, Dodon & C'Ed ad C'Ober a T netected, d' Mechanis - have, Turn i Eye, Miltuth, Colonnon & Propen Alpen i Lbg " mmandes - fair ." East , torse used that we norms plear hime 20 that brand nomenclater becam pidnay mon - mon conford. eg. Vanns auters for Broughes arwards ho from to plane now home is Plantage medie as len - 7 diffurname, under P. maya, lalifila, medin, majie Banhis Pinax Theater Bolamic vis to firs nomenclata, a lise- Jall plan wor their zynomyno. Dross in c way to forenimmen JE Index Revenues. Dross a libring by re incoma, miner Income. tize they Hund catesti Pine dir. Blantic big This to ous pluinomiatel + partoot mon reten , Ragneste phrase town Janame. This Degnote phease became very comberson, remargin vogue og 6ter lim Linnaces. p 410 Systemed Clempeter og 6ter line planaes By mile Systemet Clempest up Station farmers. This ; grow diffin betwee the work of Bankin stern Townifer. Bowlin af for norms & Jenen, inter-Description, In Integrate to species & Deagnate phioses. I merefor, in to the liv, proved lis genera we money Derugtos fyurs (Har under har fine fyurs foren? AA) mon Daunefus' generic names an uninominal, hursim an binominal, such & Rute muracie. He dos not men ton f - peris , to day differen Jenes Put. not men ton f - peris , to day differen Jenes Put. Jummi 1753 repland eat to diaporte phiers J. Jumay name & the reform was for the 20 convenient tor a more wording immediat acceptan.

pull Suman's pouseuror:-1. Detudente Ja consistens brang nominclattice of species, carl species beary of two names, the fundby the general to seem 2. The month of his Secure byten them for to find time supported rupplied . to usay by worksolle & Convenien where of to driageour 3. Un publicat- to peris Plantaun (ed. I 1753) in chin he repeat Carpon Bankes feat y 130 Jus cartin 1 restring when & Sylemate Catany (restring is a ban und . A.A) The advanter to notice by the Dates for officer 17 of ale A. C. de Jussien fuller is celebrited genern Monitaries a din may your moder "halene tanules an dequid, they have to be all and Zed to yether motion from finities rengen hunaces in many derigen, suit, Confecta Michaeldetae Jumen a tar ten his angelow my places) Jenen names, unto a Junii + Plemonia, this englazio the fan terer his familes was apprezets and a spil Jeners. Is the plund from was muslead, De Candola Jeners. Vairet y Distintion endys of famy name, unleng-aceae, - meae, areae, - Jeae. Lindly adgets the uniform terment - aclace of four waves, " this is now accupied in the sparse of I well him waves, such , Sobratae, Consend under to Det on. Rals. - An autombater accur (pp 412-13) Jonyn plasts 7 Index Revensis

26 hotom Harbarun V wae erens borrand for C. Idebry Ox 1943. [L. 2.23] T. I. 1532, #I, 1536 III 1536 Appendix guo in totalon for & differentic Appendix guo in totalon for S. No a an rengming Manphastis and plants . R's an andigri 1 15 Many Stars plant them Destiguers betters (I flans in banes: culturated) (Iftens, labanes: cultured.) m (It pre 1 the vol. Brunfos's Described as "praemature. mote raptus" VAI. en 14 invoret " for find " An Bringes art of divine help upon to wate, the filling (trans. y D.S. Robulto ome, Thus out-20.63) Rivight) woman y hundle plants "Accordings we have begun in the Plantain not and because thes here because up have been up to plantain not and because up has little herb & commen & by well know Im also because us herb equaly reflect in it if to durine for the encites a another the encites a another the forms in the form the form the theory have the one to the the of the theory of theory of theory of the theory of the theory of Peo Corvinues ; Coronopus i falli crus. Peo Corvinues ; Coronopus i falli crus. Jult fluver. (A contempor hum ... Crive forte . foldekneppes) A E ho. 2 VAI p145 Ramments = 1 p213-215. Miles Dutines - nors ter wild new mi Surphulaus major (= Scrophilen work L. Fywar) foren. Va I p213-215. " miner (. Renunales France L. medin (Ledun Telephin) Sey) plans Punyemel. quae cerules flreex, fæmina deute: VaI pros Masquae prhoences. V. 5 p 153 Dant Nevel / Mamlin 1977. The Ad right gives " Comphorie" in the Extre raine of Cumpy

V.L. 1532 Bunger des, Bunger L. 2. 23 cml?" Dest, Instally 12 38 Wotally PSA. It has trown leaves, emergy multing about the voter, while fim, continues, Thomply scentral . Sometimes haven middle that my be "crocust" (and apple of yeles stemens) Have after the flower his faller row, & simila is its mores to an apple of them p . pippy, do that class. Rost-laye, rough, knotted like some har pelub. My nobentes Jeller wetrilly & 20 40 the some har of club. Jeller wetrilly & 20 40 the provent of the some the source of the s the flewer after the prove the prove that a the server of the work of the participation of the work of the server is an work of the work of the server is the work of the server is marked use the server is more the server is the servere

Bunfes K. 2. 23 a 28 They read who is token her mitig top the free 1 may 10 if hit y an the Hale and to say the Under the beauched engrang, & payme flaver (p 217. VAI 1532) We had resolved from the very stars of our work to add on the can of the book anything theser the way of unknown herb, & these about More puper names we were in Doubt, it the f description any those only mit were trang extreming common & moreover is medicane use. Buit has trance und very differents + article + periore has fully taught as the one men simetimes by to new plantage or the says gos by the neares the moment. For the the the says gos by the neares of sculptors I dray liter the server whements distriction as Techements nos removarenter) and there to avoid them the press here intervals inactivity or here been competied state of herets herebo no feel daily. We therefore present the forlow herbs (herbas nuclas) white as therefore present the forlow herbs (herbas nuclas) white as the Jerron norms an know ous + nothing more. For the tathe we have been writte schier enter for mederal men on herbelest. (she less for for buy alles prove their identer for Droscouds a any this of the ancient) rates - ada Till in space, - gere to action lams - channes of deliberty chan then moles herbos, querum tantum nomine germania nobs Esqueta sunt, preteree nihil." They have the the (D.S. R. Lys his detri dun he ger a to high home like the y wy bed, I had prosthes translate props, the men-give This umits from an anorest in Byrus The fauchblin mine prateris L. Spreak Nº77 4 par three his sever) Cardamine prateris L. Sprane N.77 157 1 Vit III pros. veterlas expertissiones (und Eufreyer) recommon

Bunfer 1532 Pien y Ioann. Sepides Streale I den fine might for be reproduced of the mentus Ioannes guidictius my Mentut. Compy (pige or) Xms use Purg better Wick W II Syman Canopertete Waterleb. paur Pelsehler Lope Syert & R.P. X Breyte Wegrid \$23 Platze maji p 23 × Planty Puber p 25, × Planty mine p 24 Volume weithing 76 (Bogidter congon) Digitized bx Aunt Th Drapense por Cushin p 9 8, 5) Bee metis - preaster 125 -X Ochsenzuz plic Brigo p 113 (orsi other con fors) X Vewen p115 X frandrad. Valer formin p 120 X 3 soon noter (p 13) × Juth bettings p144 × Jugle Dernetth 1215-3 × neute pisi × gu Iz pilo) × Vamia (Eufryi / p169 * Guylen may p175

hver Male (Perfoliate meanule) p102 Sandye plos XHipotes pro X Leberhum pg, X Friend p 215 VATU Popy \$220 X. Jaushburn p218 × Hy onyones p224 Palegue 22) Grandable profit X Keynfam 12250 × Jany Muma . Lay Day \$ 25- 4 VAT Heden p7 Wild Lage p30 Digitized by Hunth http:// Botanical Documentation Jule uns p51 miller p75 Vdeum p 95 X VA III. Pours. Hele Sancte py X VA III. Pours. Hele Sancte py X Phi Alfodelles - Rote Julye X Phatoles p 45 Ashartar Angela pb-Double p 70 Colendarda / 7) Churcy 1094 × Plyman 10 110 Dacontum majus (> 131 Camobis (> 12) Cumbta pido

Notes on 1530cd? V.L. [L. 3. 23] 29 VAI ag Sex J plans (Verbena Afrandis L.) Spron p. 8) Verben marcula p 119 Seneco ordgais L \$ 87 Vabera formira p 120 Papileate manula - forming - normal -drome tway lade pp 182 - 181 (muth & 183) Wallwurtz weiblen 1276 (Magne Symphete officered L. Valuverty männlin p 75 (prog : Sympayter officinal C Valuverty männlin p 75 (prog : Sympayter Pero, (p8)) Digitized hoy under the the tot the two beautys ergins an Digitized hoy under the two the two the two the marker the the transfer distance of Botanical Documenta pugle the white .

Trajus De Mujuen 1552 Tren hat hut f Praifetio y maper (V # 9. 25-D) A ii (efte mun etter (2005)) bou & Dan to wholends matter) By tis high hubel hubel with the best with A daman purmun hominen with starpes primen vgnorse -... Adaman Publication and starpes dumo applatum spinite omnes creaturas a terra cognorise Led er sugulis ut supra documes propues indicing appellations. Cognorme ... Adamun Putrplastien ... non Solun Adam ? to credure " indidit hes nomine, pro meffabili quam à Dominio Des acceperat saprentie rerum 8 naturae cognitiere. Adam fins d'anne Ma Cum profertimes meas en labores struption gratia functions un susceptos on Portrosumes the Brufelsus prace memoria, Burbel to Hout a Subusdan referentibus, Ayentinae Cognoin cognoviner, Hornbachiun usge a me pedes commyraint, ue coran 45 hat hortes a collectanea mea orderer. Qua same des The platuer of Deinceps et you er alie literis suis ita ille platuerine ut Deinceps et you er alie literis suis ut vastum opus " adimen hedgeren ica Deam dertiterunt communicare vellem, cohutari me nung want dertiterunt 2 Luang uan auten frod perebane faule recuran potuerim ut fini termintats er ingenin mer er grintats consicues mitri enen g tamen ex curationis nullus que erant lato latos locus, ita Sundem ut-port ac partin represensations greandy Provises demum ut port immenses spant letio labors provises demum suscipere, ac partim superhensimilies quandum me byicere, partim vero boris visio tam improbe usentibus me bierer. Just si readien lebros & noste paties alequi cojerer. Just si readien alequo seltem more utiles chaussimae, hore est germaniae alequo seltarere posit. fuerine, while same est-gust mays me exhelarare prosit. Vegz volui literarun adenen segui u veteres solen- hebriis. Hober enin ea who medtion memmorulatio, require und ico Hober enne en une maillen mennworten e, ny une tuebte En prefau Gp XV. He by a metter a for madrum B unduct is for can major mei untre folka is sy elle no, promite cam major mei untre folka is sy elle no, promite cam major mei untre folka is sy elle no, promite cam major mei untre folka is sy elle no, pro ego untor, senger et ortonwormi i bega hette lego pro gliezen de couran und icam. o he bega neute lego This foring seal bour a netite leaf

Conad Jernis preface Simers admit's of Nucles De Mupon 1552 ciiii otho Bungerus shupin historiam Edidit ... cum uonibus perputche express Books an preface is historial & to is ferner's no fills tot alfebre and Bortis prefan :-Lund i hera nostris - nerg volui literarum admen sequi in velers solen herbain. Hober enun ca rato multur incommodulatio, Boyne uques indico. VAT \$ \$95.6 Cop XLVIII Duo nymphaese fastigia rei hebariae scriptorbus unanimi consensu statuenter. Altre candido, etca luteo emicat flore, utrack in processiones aquis stagnantibes Te pequartier. En Junio mente fin fair at produce instan Lin Conditi aut Rose, mette gline for any topate Context? Conditi aut Rose, mette gline for training to flips were The quiter at unive flor due detrugint officios interior The quiter at universe flor due detrugint officios interior et paucioribus nonniunquam contractione natures 1 tota na inquite per se consedereta forme inflorium crocer 5 test, maioris fluime referent. E medio elucer. Antequan interioris fluime referent. Whis fyurse non multum absimile elucer. Antequan Vero in floren erumpat, Menge Suaedan cernuntur cepitule Amurdali in trai cepitale, Amygdalis matiens pene similia, folios conterte ex midi purpures contebres, fuebros maturitate ruptis flos emicat prequentibus un dixi flutis stypatus, croccis to multis fibris staminibuse seu radiis subusdam soli multis fibris staminibuse seu radiis subusdam ustar hubers multo adar hurditus, Cumek flie fliss nutto fibrio Maminibusie Sett radiis Suburdam solo nota fulgeno, nullo odre preditus. Cum & filio finis Deciderine, caput Popareinum cant matum robundum/Memine negro refertum prohuberst. Cantem profer haec hymphete negro refertum prohuberst. Cantem profer haec hymphete lete, in Mangun whente, films are soled velute conum lete, in Mangun whente, films are soled velute conum lete, in Mangun whente, films are soled velute man under fungen whente inceres, er fungosis phylo lete, in Levitus itidem inneeis, er fungosis phylo nitentia. quando assequitto, nodose, cupillemento
hopping aller and multis fibrate, mara forinsenas, intres candida sistens, inodorata 32 description Altere nymphanes, forties, coulibres radicibres & ian provisus, or nulling insuper laporis. descriptae alequartum cognete est, nesi purd floren hober toten luteur, ner adeo magnun ut ille. Huius Cucluse Capitulz, antequan florere incipiat, whende apparent glabie writers flies oblucter visibilities, non alita atque sins fuar Dotterblim free flies oblucter visibilities, non alita atque sins fuar Difficient Rudottee dicitur, degua supra lil pirmo, cp & L IIII (this 5 pus 9. VII De Petterschno), & Amorres This > bol I p 142. Calthe particular Dotter blumen LAS PIIZ Cp XXXV Let age Hirundinariam minoren herban martio mouse profilienten nune considerennus cui Cheledinie minais nomen imposit Descardes. En plante set finen Februarii erumpic, ad humertos colles, in vincis, et pratos gubes dan herbaces, mideg clore conspicua. Vortilier auten foliole's minoribus, rotundioribus, tenerenibus, a million bus Hedera, per terram sparsis, quot ennis nova radice folios ar flore sicut Latyriones a Aron revisione. ad radice attimer, cum illae torsae, ar untar preni he leave the hodearei Alongae, plerum og teinae aut quetana accordation multis cepillamentes, quibes humi haciene, fibrata. Cauliculum acquinic exquum, breven a-maetenuem, flre luteo, pulcheviemo, a qui stellulam fun sale plane referac emicantem, qualen Romunculos fere haber. mais meuse marcercens, evanerier, filie flores of amittens Diculis julein la contra to the flores of amittens rabintis interim usq ad principia Februarie, annie sequents humi latantibes

Jugue 545 Jugersty Cabrel med terran ablen 33 Jugersty Mabenberg - Marain The Ravensis 33 Trajus ht I ago eL De Duli radie Praestancesserva hac, nobresservague flanta " duemedmodum enim alere nations Sarchari praedicant ex extellunt, ita fermania de Dulci radice Storiari poten, inprimis vero Pabergenio ager, qui unicus Etti fermaniae satio flycyrrhizae supped are poser poten. A pace : pran jul - to Jyar under 5 2 - head Eagle ress THE Min upone 5 Hoy Rom a ted up ail ; having VaI \$ \$ 35 - det I Cy CXXX Kill Para De Hebe venti Hu vero russes in the pargue floren . Hu vero rurses incognitan à Juani pereguinam red he barn pre manibus habemes, quan mulierculae red by Hubt notitore subt nostrac heibaries thanken scholl wrant, tel Ra Kuschell, gurd est si magneteris, Camponule autinaeplet voerse, en proculdubio rations good flores eius purpurei, qui intres uté ar rozae stamine, guaedam seu capillamenta lutea hebene, Cymbalio non admodian dissimiles sint. Invenitar m arenosa, aiida; a ayullose tarea, recoron " selvo, floret martio marke. Ratien haber nyroma copellation, quem Amodum Ellebrios ruger adultainus, heban vero Foeniculo per omnia similer. maro mense flos a ceput guoddam Af definet incanum, capillation, teres, huisetum, et guod Eunscei animets redementum non infoelister apprint, 25 gu hor Mus semen est, nempe singele confilmenta que inferne instar setae suillae cauli inserta sunt. Calo Caulis ille nonnunguan Ivotrontalis, feisentis es adurentis saporis herba, et que linguan gustata vellicar, non alice atque Piper, au Romunculus; er Aron. Propter Secrentien gustum in horto mos ruta er Messe, et inivirie bestieren menzit menzit

Pasque flow and p 414 Lurd illi eie april Diorenideur norman noudem constat; muhi ordet en grød ad arrem er forwent en gustum attiner, Ranunculi genes ene, nimerum id good Sardmiundeut en, de que D'orconides let il Gp c L XVI ejie, nem si teratur haer herbe adeo airis est, un etiam berhugnes divisit Recave jis progen hatarte he deues termine s-hu Romenus, t Dave Rybes prefer refer & Tragers big "nomendationas, in Jubes sacpe prolixus er Trajus." This mon mobile , mon pre- continuen plan of sweet wat, Lunige, Pracelant mine har problemine gue plan-F-a Jun as other notes proclam, and sugar, so fermay any jung ' decause, experies, the Pabergeneses country side this Digitizedalay Count Mystering buring for Botanical Documen Parquetter Here agan a other haw in how is had a unteren & alman Here agan a other haw in wwgistan, a quan peregrinen herban alten herb hub women ale Dennubell on Cur bell, hur to det women juit An in the translet of Campoul culome a Variae, This under the the reason the is purple plavers win which is been been to be carter use Momens in yeller filoments, is not on unlike constructes. The of 2 and du - clans tol gin land a fui sand dus clay sail & in fair in woods is if thus, "mark." This - bland & have we the to a think "mark." Hand helleben J to plant & nong it to the trans and Hand helleben J to plan is allysten armet of penned. In the mont may to plane amen or an en in a plant of a mont hissule, i which areas on the compare to track the mont hissule, i which areas on the compare to track the weldow for helping, the is to seed, builders to individe the stack (alw an insertial on to Hatte the 'how's that to get and the insertions of methy on to Hatte the 'how's that to get and allber insertions of methy is which he taske most the toget and allber toget then is hot obiding , which he taske most the task a my fact in present in the tone of a allow I animed.

(This is rotin rough - net wetter y D.S. R.) at 140 31, 32 nymphan within health matters, the purchase white and the second of the order of the purchase of the first of the second o Twrastes of hymphice an unanimously recogned of the stan nymphace is more prety cell known for the description, the stan nymphace is more prety cell known for the firm of the says there is here of the before to plansing begins, officer where a fair. The enclosed herein from the plansing begins, officer where i morevon tarteless. mullebe, enveloped a green leaves, not defferent of that I The wow of flow bud - change pergetures " concluse controls antequan florere winipitet (Jelle with) + Maye quarter ... cepilete Antequan flows being pitet (Jelle with) + Maye quarter ... cepilete for congrue with car. folio contests in performanters for congrue with callera. folio contests of the province the ripe Any balis meturis pere semilie The stame to admy styme in trudoll 1 to almos enclui - porter gene flavores a fore to descarm ... my much a ster quit stirs by an Ravers a somety destaum ... not much untile a figure 1 the sun: "E'medro florum non multime form) E medro floran curei quid, solis fyruae anus inter to the form - the flows he Healing menter to theme the relation request garlymes

ford dere, condle "a white lely a rese 1 may leaves 3 under lychen, no than indeed on flowin somethis officers similes sconsit- of 20 leave a somethis flever. These leaves considered 36 undwidendy result i for a thumb, a to leg & feder majes "se p37 fine prodie unter Lilie candeli and Rosae, meltiplia folenum stepater contento, ita quedem a unives flo duo detrigenta folios enterem et paucionibus nonnunquan Constan bidestari quae singula per se considerate forma pollucen, au Sedi maioris filum referent. Romund Friein (Lot H1032) Well mis, Hundersaine menor leves now consider that Hnunderous mines while shorts up a small mail, Man appears than , Teling, on most hells, in orney to + certa meadors, comprain g a green colour. Moneror is > clitted medenes smalle rouder mandelet tender (the thing wy), And the lews oflave, as Satzun - Wand most 2013, there are fleshy, & May like - gran 1 bandy, mostly fortis are queen there length three to four current toyetter Canded together by threes a fours, in my hairs to white the soil where, fibrones. It aryous, lust shelk, slewler, their deary represents where, fibrones. It aryous, lust shelk, slewler, deary represents shorty fates in over beautique yellew flewer, chin deary represents shorty fates in over beautique yellew flewer, chin deary represents a tarte star, domin rul a Ranunuls bate has . Vikeuz In the menter they, we does away beth fall is leaver places, the menter the workles meanwhich 'lying hid - to carts with the beging of Eching , to follow you. Franction sequences , life land. Dissaides, lunna the The dest' go leaves a work 's adopted for flower referred . 11.212 Juste p22) nan quemad modum en historia Mours videre er, vertio demum anut Setyranes Omnes, primes proferans flores ques nalline et deximite semen conseguiter. Dend constas Setyrino nuequean beties provenire, quean is montitus d'unipervien et pratis, a quebos lois avrailes eskas sues greece querore assolent.

Trajes = Hauseleck Le Vol I H 376 Jedem mayus 37 Turners planter magne (un fresh weiken Bentjen It's the by Scupes, Herry town haves an and j'r De Mayrtello p 974 VAT Herver forme eue companitam referentes, qu'i medro rusum quasi pertillum aut Hannen Himentes, quoi i baccom whundam a mbescent em abit. Trass. en 35 p 409. # Ellebras niger and tor unis Parghe xins war. free hellebra. the seleques flows ... abeunt que demun à ceilinebres quaternis aut quenis inter apeilinitres Diosas, m aliter atque Af lalegia, que cum rumpuntur sturitate segnen laeve quod illis inerat, is terren meterritate seenen laeve, grod Ilis inerar, " Tenen Prefines deudin. Digitized profensional Institute frog Satyrie genes aitum poties quoddan 2 his ner subil arses " in put ulagine en el an , Dion plants consendum p703, Fragedur forselegune joched (p203) In tag ar renew for sen Man ind y see in by the wor 203 Hore flore deudente (grost idem de ommentes batgries et Labyrin er Tertruli nom semene, sed radice, ... non enin et semine myrus, ut norten seur opinio, haeplantae umum orginem du cunt sed a dieno seturo, hor est ox opermet, Dumin orginen du cunt, sed & norte ten prins, næprinstæ pumin orginen du cunt, sed & næmgte vere Apreleuse nærine cam Turdorum & merulærum. Turdorum montribus er putis convenerine, ta ur verisionite sit es spermæte Sunipersum montribus er futes convenerine, ta grunns jimun næsci. Sunipersum montribus er futes deadeur, fat gruns frim

Borh De Myn 1552 Sand Kyber (haustet's) prefer Es certe studes Latinitate hos commentarios donare volumes : at intellyant annes nitid notis privs ere : quam ut et nortes homins et quoranque alio (Pr?) Addequed author fire mutande, ubtahendi, nostra invernes opera. Mate tranlete Tyris' under war er al probatissimour scupture exemplarie crugendi hos commeatarios potestatem melai fererar, maxime quest ad nomenclaturos attiner. The our units my assist bet VII pisto ht I Aquelogia Planta certe elegentimera. 10 p 30 White ... When Brundes I prensment hum on the formet - 1 certifiering Chy XII prefer. " Lunchy Lource - my achuntete labor ft Hornbach & see my ette gadine, he came n for & me a Hornbach & see my ette gadin & delates. Their indeed plean him 20 trac both he hunder their ada to certain e can to use me to put the ven water ada to communicate a to an Sermay. We did to work of love I fermany to an Sermay. cute delyer hun more tran "northe says to maty cute delyer hun more tran "northe the 7 Have an Ayoutinac, he came a for one a his write & labours that be in any way useful "nostre hetrees channes In the art bol us they not toulant author patrice charissimae Whit Dennes Later, The netite leng was in his family sed

39 mystillus p. 974 VIE Pinl in medio - quasi pichellum aut domen ... quod i beccam retundan ev suberent en abit which is "the meddle as in where a perste on stammen (med) tranform) not a row berry which become red. (Han is and adofferens of agety to ready in the more 1 oftine) The Union on tranform at Grafter un participaity forms of five dwith a futewar hot - I "The flowers and transford at lengt out 4 a 5 separt solutions, as i Howlyn", him when they beach an entrient the liquer see En "holes to an they and you when you + they light reads. by Hunt Institute to report a hica Document he unto i la ten genus, orcher be retter of termine (mousticity Is " chief orcher any of publication " (monthing months, Gener mis the the flow his degree, in father for the flow of the flow his degree of the flow has degree of the flow of the flow has a set of the flow of the such a ve see a the plans. That is fin and sonder por office the How How the than he the flow his filler, certin mall ports oppear filler in fine dur. . the totale dig interstatte ports deur state die typets, acherd are therefor authorite mit y read in y to wat For themplans, a maximin tole ten any not for seed, ho ten for somethys foreign themselves, mennes for seemen i atter for something foreign Strangelows, there's for the speem 1 muchos & blancbrids. For some track I mayours he gives a not wort translety - see p 37 + en 1 p 36] no hu he was infruen) & caus annel - lite form , som or clids

projue (15 >5) p 1. Voleus laws real finder proden pleylogges. Harten pluntan unless mit ag medent plas will a cultures i ferry - I bag, too neens cache drugs und the 66 of the denul a fywer attes and descher receive of the time. Any tone a to othic bogton, prenyates taffet. For (moltomic Shuthenstein), Batamis unbillets It flang run; Dentan bulbifen Santy augon bon 1515, this law Category in Turner. Im J Ennes Cardes [Blantop 1534] Why auto 15-31, 154 3 spins pur is by four " for - they fing - sear plans. Arom has be will of som mon a deepy in a wind its us a Digitized by Hunt Institute for Botanizal Docume ph h 1543 went a new be Smilly amy on Rome. They presel tester a the party a herebal & fang a first, un Jum Jum vop, he thigh all count that high Suingle. There we were thigh all count that of the bus of the first there are all that fell de 10 fever & mule, his compare for them. here couver them were to be a fund of the form. p.7 He both pulled no borts - is if the to the fer " Hylow Mentan " ms, with dry 1540, whi Dergers: Helm reason of for 1 a moder techne descupir. Dergers: Helm reason of an unung nere, are in poins der but & Cadios an unung nere, are represent better a drug tom se moder technel descupe. vo edrig gene, pullist

Sprayer TATAS 1537 (My & the) The thenke of V deus Cador Pive time love line 1536-7 14 thenke of V deus Cador 145: sers. P5 3 \$ 158-8 (Condesenver) (Indesenvety) Cardes of ments the anogen to seed. the seed verses for better accur y spee J Shychna Nux vomice, desay & conduct the two delast colybles. Alsong & conduct the two delast colybles. Part must the Tames communes hows to the san't Phase his only as typing to have 'the mult barted Phase his only as typing to have 'the barted Phase his only as typing about the Phase to only as nodeds and water Jupins allos & Phase to only as

41

Turne's Headed 3 pets byseties . Sel. 3. 1 . 9. Det 6. Deducting pulan Det 1568 To the mar noble - learner Princesse in all knows ? Jon lerninge, Quere Elizabeth ... Villen Jume Dorteo of Physicke, wisher continued helth of both bodye & Soule) have deducted is therefore ander your more of allow Quent Lyto I have brove thystyc years go, with a Hubdi Later, Sublimitic heren wen entrynud the Greke, Lotin + Bylene noms 1 to may heren wen entrynud the Greke, Lotin + Bylene noms 1 to may herbes + trees & recute ger anye knowlink 7, even begy yer felar of Penbroke Hall in Cambridge, when as I carly the norther fail in Cambridge in the norther norther norther the learne never on frete, nette heter, nor Erzuie neme ever amorgen the phissiciones ange hele a tre, rich was the yourson in femples as tras tyme, ores you ten was no Explice Digitized by Hunt Alexititute for Bostanical Document I'm may rero nym lif a 3° por Apriface Documentati I dam Songen tif a 3° por Apriface Documentati The knowledge of heads, Tries & shoulds is ... vege delected for the Princis munde (p 3) putan Elizaber Dow) and 125 Jerhardus de Wijck - vos 20 canner a Sercher 2 simpels Then he was in Italy, then he wents into the means then he was in Italy, then he wents into the means A ppenniene wyth many other, 5 finde oute simplesse, A ppenniene wyth two n the escape deate, fin all the thereof he onely wyth two n there escape deate, fin all the thereof he onely wyth two n there you younge, or shorty shortely other dyed athen in these your younge, or shorty shortely p6. He colls Ameters Switchtos "a verye ape into 16. He colls Ameter Justations a very ape into matchedus; ben Rytragers, i we bys Scellares, the common Hanatus had ben Rytragers, i we bys Scellares, the common here ben conference wyth bys and saying , en with no any here ben conference work by the top saying , en with no any formered was Particle wormwoode tearens to pure thys saying of months of forther automic a tearens to pure thys saying

wythall - But segge tour be is neetin Pytragers, nor we hype sedlares, we beguine bete antente reason A botto ageins - about ident fresh Jodiff: huds po ne better we men coll every herbe by to name town to are nicent warmerow Autors have geven it. Ponlike woundow the tande grante a Anwarpe " Peter - A buske or two I the tande grante monye the strange & hole Condenbeyes failer, where as an manye the strange & holsen herbs, had the for a conjector place] fermanye besyde. > 17 en 1:5 borgange the reader, thereof Disserveds Lucos Jymis my maysta : Bononye the reader, thereof Descends Legrandes bayne layed ac Scorpia, metrete her utterlye amerit timum stitute for Bything (Arinitun) the bland Martin 1 to poissons fuch of late have receipted the bland Martin Lei aure Imdiners thick of late have beeded, tran the bolfes bayne, therewayne alled monthes caule, tohn hede, ton the payson of the wite of this habe, one Dayse & not more harme, that the freshnes of the floor hat Ime pleaser is seen) were yores last an freshnes of the floor hat Ime pleaser is seen) were yores last an I saye, her tag an varned. not says, her ting an vaired. 235 "comale habe g = spon have, + y one smale sed whe , grave Dear of the he calls Alisson ? full mulder male never a from heyer, - y one email ret war, from manye smal stables, that have may rewelles as in very with 1 manye smal stables, that adver ; + an everye rowel a row with 1 pores (: yorks), set a oder ; + an everye rowel a row man, i hores the type, there pringet the stable is found pringer leves never flours, fright red. In bede are not even playne which have the there in the leves, but they token on we an stan immething there by by term teles, but they token on we and stan when they are rowed in ordre on the floures on bleurish pringle, allyster an round in ordre The flues on blewish purple, -allyster comments about the cude 7 may . The frugt growth

even burton togetter, herein a clitte blacke sede, emething floor, a some typ a man mage finde fure and cople flette veneller, that consignate this stade. Then are none of theme finde found alone hong up is haves [ir] is thought are holsome, redefine grant-inchantings both into man beast embatment p37 venelles four alore. Amarate "is alle : Eyler, pugle velor flaure, a flore amou Alme it is men convenient of to cars than the oyle be." Anomen so met bushe, down the quantite 20 marinis Amonum " me sout bushe, down the quantite le marenis Amonum " and bushe, down the quantite le lette strikes hande, lete unto c dente 1 popes filden unto him selfe, lette strikes I hande, lete unto c dente 1 popes filden unto heade 1 ° heads i g men, fartelye c unice tenke beshe, a setue the heade 1 ° chains hear, partelye c lette strikes, a 1 peros harts can hat, e leave byte deliment Stillet to the fleures - harts can hat, o leave a sand frome, in green go at her wo light who house. I have demeted about the strikestion light who house the south demeted about boom is care with the shulle, something level about the boom for and when the unice the heart demeted about for an is and when the unice the heart demeted about for an is and a cuteure filgeers have here as thereas for how is and a cuterre filgrene mit her mit ar Hieruslen, bywircar 7 Jeury we then's the word of the sayinge's, the 1 Herecuntis, penete every you abour 2 Christenmone, when four some Ali (It's not den ity he welfor's up to Amoren 1 Discouls) Pargund. is tour hale the bleve flave, is calles & female, Purgund. hat the cremestine is call timbe. (Censtern referen 5 Durining) Dep on p 40

12100-7 Selver a fely flour. (punts) 45 The fardin felovers an male is fleasant pleasant Peruls ho an experiences as potents A four fingers a thambe , comming for me hand, me 1 not fyre handes, bur allysten whe there on the hand, me to not fyre handes, bur allysten whe there one hande, & alter - the Plan the ye hush they cam make his one hande, & alter - the Plan the Oleves, in the Jewice the leves, in to Around leves, + in the leaves ? palme the Jewice the leves, in to Around the furgers come fact, palme one of them is not a lefe alme, they fyre a seven for every one of them is not a lefe alme, they make the al one leve, are for one for one factor place, the try make the all one leve, the and for an and allyster unto an underded because to an coursed allyster they come. They it A per 2 leafe, arte, the Muche they come. This to Agros casts ized by the att to by ven seven leaves arme inte of me fate white: yes of all a first and there as in were fine parmed by the ar the bottome, remainst once as in were fine parme a better to the 18 m leife, everye large tringe " thing a leife alme. This fren) that 1560. Us for for 1564 200 them a to pan he trade , hads unknow & Advistor Justs " the Proutitioners) fermage " / 5 Juges 17

Runnis, A.Q. Introductio Generolis " Rem Herbarian Lipsiae. 1650-1695. [L. 1.4] 46 ex unopertione florum apparer ilico, ad quem ordinen, hor ex, ad guodnam genus summer pertineat have vel la planta : ex inspertione florum apari lico, ad quem ordinem, hor est, ad quidnam genes summer pertineat here od illa planta : ex unspertione fruct uum partineat here od illa planta : ex unspertione addiscumes genus cuigra proximum : ex unspertione foliorum, radicum etc. differentian specificam. A lette melune the plants an durdel men number 7 A lette melune the plants an durdel men number 7 guys arean & preserve a drear 1 construe (gaudiens, a guys arean & preserve a wregelige; samplemen a comparison. Care-) + is replants a wregelige; samplemen a dipeteto. Ma gros callo

J. S. Hankes (1944) PAAto Collecty Expentions in Mexico & Sout America. I hydemate Clampedia Joh Collection . (I mpent Bureau 7 Plan Bread, ~ Jenetions & Camberd,) Salaman sup tim a colden Castellands som politors Time beland descriptin & Jaspen Baulin in Colombia) Phylopenox 1556. Jave name Idanur tuberson No like tra Baylow bland his tubers for cups Clusus recen for Philippe de Scory m 1588. There Tuber proch com tubu public came for Ital hun clusies (1601) sup tom to pote or from to tear time. Ite fun 155. ho don't potetos came for pain in the fun billed undelemain the them to a to wan from in tora county - 1573 a tom 1570 can bocument Attipuan time some 20, cullent 1 50 orld spear , Potele have been descubed . The autor a conclude tean the flancor fun-The autor a conclude tean the flancor fun-N. Belivie . anthosted a Gregan & S. Perce - N. Blivie . He belives for the fun introduction potos vere for the Ander, mer probes Colombia, x mer, & ho so of the ben inpress, for Chile . Lee also Haub, J.J. 1945 - 1945 of his potets. Here Bd - brx XIII

SMOLLETT'S LETTER TO PHILIP MILLER

Mr. Lewis M. Knapp writes from Colorado College, Colorado, U.S.A.

m

ies of

ject

TY

Dear Sir If you are at Leisure I should beg as an addition of all your favours, your opinion of this fate Performance of Hill's, which I send with the Bearer, together with your Essay on the Papyrus : your other Book I shall transmit one of these days. If we could have urn thoughts on the method of producing double Flowers/from single-in a .few.day, so that they could be inserted in the number for this month, it would be a double obligation on Sir. Digitized by Hunt

Your obliged, humble serve Chelsea Jany 20 1759 T*. Smollett

Chelses Jany 20 1759 T4, Smollett The recipient of the above letter was Philip Miller, F.R.S. (1691-1771), Gardener of the Botanic Garden at Chelses from 1722 to 1770, and also an eminent botanist, a friend of Linnaeus, and author of the "Gardener's Dictionary" and numerous other botanical works well known in his time. On the basis of this letter, and of Smollett's reference to "the ingenious Mr Philip Miller of Chelsea" in

"Humphry Clinker " fletter of Bramble, Edinburgh, August 8), we may assume that the novelist and the botanist were friendly neighbours while Smollett

Ap. 10

botanist were friendly neighbotis while Smollett lived in old Cheisea. The more particular significance, however, of Smollett's letter is what it suggests as to Miller's constitution of the suggests as to Miller's constitution of the suggests as to Miller's remeased Miller's optimion, was the new work by Druble Howers from a Single, by a Regular Course of Culture." Illustrated with figures. London, 1738. As an unfavourable review of the Critical Resident appeared in the February issue of the Critical Review, 1759, it would seem that with light to send time in complying with Smollett's, Muest to send his "Thoughts... in a few days." I conjecture, Miller's report, except for the opening paragraph and the final sentence, in both of which the hand of Smollett senses to be evident. In other words, the review is doubtless un both of which he hand of Smollett senses to be evident. In other words, the review is doubtless with reset of Cali-toms's "Smollett's quiese." University of Cali-fornia Press, 1942 pp. 87 ft".

Jones's "Simolett' studies, University of Calk-formin Press, 1942, up. 39 ft"). In the above letter another matter which calls for breid comment is Smollett's statement that he is "breid comment is Smollett's statement that he is" ince no even written by Miller, my beinf sic bar to have been written by Miller, my beinf sic bar the Caylia and the state of the papyrus," pub-sione no even written by Miller, my beinf sic bar de Caylia and the papyrus, "pub-sione no doubt by Smollett, possibly with assurance from Miller, appeared in the same appreciation of doubt by Smollett, possibly with assurance from Miller, appeared in the same appreciation of the Critical Review which on the same appreciation of the Critical Review of the on the same appreciation of the Critical Review of the on the same set of the Critical Review of the on the same set of the Critical Review of the on the same period from Miller, who incidentially, was thirty. Should the file of the cortical Review, should the file of the Critical Review should the file of the Critical Review and the same the reviewers' names become available, more light might be shed on Miller's favours, for which smollett, judging from this letter, was duly grateful.

SUPPLEMENT SATURDAY JUNE 16

A GALEN TEXT

GALEN ON MEDICAL EXPERIENCE First Edition of the Arabic Version with English Translation and Notes by R. WALZER. For the Trustees of the late Sir Henry Wellcome. Oxford Uni-versity Press. London : Milford. 12s. 6d.

THE TIMES LITERARY

Digitized by Hunt

Galen is among the most interesting and least explored writers of antiquity. Of the bulk of ancient medical writings that has come down to us, about three-quarters is made up of works to which his name is attached. He is almost our only source for ancient anatomy andotrour only source of ancern ancern anothy and physiology, as well as for knowledge of the different medical "sects," and for the philosophical implications that their differ-ences involve. He was, moreover, himself something of a philosopher, and his writings someting of a philosopher, and his writings throw light on the status of the Stoic and other philosophical creeds. Further, he had an eventful life, having migrated from his birthplace at Pergamum in Asia Minor via Alexandris to Rome, where he acquired events Alexandria to Rome, where he acquired an extensive practice and was the medical-attendant of two emperors. Some of his books have personal touches which give no little insight into the life and society of Roma under the Some medical society of Rome under the Stoic emperor Marcus Aurelius. Galen was himself somewhat loosely attached to the Stoic creed. He is also loosely attached to the Stoic creed. He is also one of the very few classical writers who quote the Scriptures and speak of Christi-anity and Didaism, with respect. Certain anical Documentation of his writings provided the substance of anical Documentation uries, and his physiological and anatomical and some of his philosophical views were pre-valent for an even longer period. He has pro-vided an appreciable proportion of the technic vided an appreciable proportion of the technical vocabulary of modern science. Some of his works, among them that with which Dr. Walzer has to deal, have reached us in the most romantic ways, surviving only by an extraordinary series of accidents. Hardly any of Galen's works are available in English. and he has been much neglected by historians of science

For reasons unexplained Dr. Walzer does not say a word on any of these fascinating He presents a competent translation of a text which has come down in an Arabic version but has not survived in the original Greek except for two substantial fragments. Of these he gives the Greek text without an English translation. It is to be hoped that he has in mind another volume which will give something of the setting of the work.

Galen did not number literary skill among his talents. He is always verbose and here, as is usual with him, when treating philo-sophical topics, he is windy and repetitious. Nevertheless, important and interesting matter lies concealed in the mass of verbiage. The text of Dr. Walzer's version may be described as a highly involved argument against all restanting out a selected by

complete adhesion to any of the medical sects of the second century A.D. From it we can learn something concerning the dogmatist, the empiricist and the methodist schools of medical thought. Thus the work would form an admirable text for an explanation of the nature of these little-understood philosophico-medical groups. Unfortunately Dr. Walzer has here also restrained himself from imparting knowledge which he is probably better equipped for expounding than anyone in this country. We must therefore await his further volume before it will be possible for any but a minute group of extreme specialists to profit by this one.

1945

Ap.M

THE TIMES LITERARY SUPPLEMENT SATURDAY JANUARY 5 1946 AP 12 THORNOUKE, LYNN, and BENJAMN, FRANCIS S. (Editors.) The Herbel of Rafnuss. Edited from the Unique Manuscript. 9×6. xlin, 476pp. University of Chicago Press. London. Cambridge University Press. 27s. 6d. An edition of the Latin text of the late thirteenth contury work of Rufinus on herbs, made from a stotograph of what seems to be the only manu-script extant, in the Laurentian Library at Florence. The editors' claim for the herbal is that, although it is largely a compilation. Rufinus's own additions to the work of his authorities make his descriptive botary for particular plants' more specific and discriminating than that of any previous author, ancient or medieval." T. A. Grague. A Thuleen Centy Herbd. Writer VA 157 1546 1 45 4-5 The Hale , Refines. Elled forthinger Monunery g Lynn Thomach, arsisting F. S. Benjamin T. Digitized by Hughingstitute for Botanical Documenta Refins cound hat not by oft & DILO) monte, tilela dbor g mmart in Type. Rømm dud urt kom Alberta Magnes mostg congolaty bu conten much syd metter

1+(6)50

Juy Lost

He

a

y 15

Lative

meloR

int

is

1 15

is is

The

our

ian.

of

igs

m-

21 :

er-

he

11-

AP. 13

51

ADVENTURING FOR FLOWERS

PLANT-HUNTING IN CHINA. A History of Botanical Exploration in China and the Tibetan Marches. By E. H. M. Cox. Collins. 12s. 6d.

Books on plant-hunting may be written from either of two points of view, the strictly botanical, with its emphasis on the collection of herbarium material and its equal interest in all forms of plant life, or the horticultural, caring only, or at least primarily, for the beautiful or useful plants most suitable for introduction into the gardens of the writer's own country. Mr. Cox, though he realizes the importance of systematic botany and of well prepared specimens, is among the gardeners, and his book is a short account of the hunt for Chinese plants suitable for British (and to a less extent European and American) gardens.

The story is one that is bound up, and fluctuates, with the political and commercial relations of China to the outside world. For a century and a half, beginning round about the year 1700, while foreigners were confined to the immediate neighbourhood of the treaty ports, especially Canton and Macao, scarcely any collection of wild plants was possible, and the early collectors had to limit themselves principally to garden plants. The first name of any substance is that of James Cunningham, who entered the service of the East India Company as surgeon in 1698 and was sent to Amoy. Before he died, in about the year 1709, after various adventures in China, Cochin-China, and Java, he had dried specimens of some 600 pecies, which passed into the possession of Sir Hans Sloane. Cunningham also introduced a few plants to this country by seed, notably *Hiblscus Manihot* and *Rhus semialata* which were grown in the Chelsea Physic Garden. Another English name in the eightcenth century is that of John Bradley Blake, who went to Canton in 1766 and introduced some Chinese economic plants to Europe and America ; and the same century also saw botanical work by the Jesuit missionaries, especially D'Incarville, who sent seed of the Tree of Heaven both to England and France.

About the beginning of the new century the earliest professional collectors went to China, the first to stay there any considerable time being William Kerr, after whom the well-known yellow-blossomed garden shrub Kerria japonica is named. Another of his introductions was the Tiger lily, which he sent to Sir Joseph Banks in 1804, and which William Townsend Aiton propagated at Kew. Other garden plants sent to England about the same period were camellias, tree peonies, and Wistaria sinensis. The most important addition of those times to the European flower garden was, however, the chrysanthemum, of which one variety had been successfully introduced to Marseilles in 1789, and eight others to England between 1798 and 1808, with many more rather later.

The collecting of wild plants on any con-siderable scale in China may be said to have begun with Robert Fortune, who was first sent there in 1843 by the Horticultural Society. But it was not until after the war of 1860 that much exploration of the interior of China became possible, and in this an important part was played by Père David, Père Delavay, and other French missionaries. With Ernest Henry Wilson (1876-1930), who worked chiefly in Szechuan, began the great modern period of Chinese plant collecting, during which English horticulture has been so vastly enriched by such men as George Forrest (1873-1932), who found Gentiana sino-ornata in Yunnan; Regi-nald Farrer (1880-1920), who had the gift of writing with infectious enthusiasm about the plants he found in Kansu and Upper Burma, and whom Mr. Cox accompanied on his last journey; and Mr. Frank Kingdon Ward, who has made Upper Burma and Yunnan his special province.

Mr. Cox has packed a great deal of information into a comparatively small space, so that readers have a rather hard task of assimilation set them, which would have been greatly eased by a general map of China, in addition to the three localized maps which the author gives.

LONE FLIGHT

ALONE OVER THE TASMAN SEA. By FRANCIS CHICHESTER, Allen and Unwin, 10s. Even the stoutest-hearted and most experienced pilot would quail at the idea of attempting a solo flight over the notorious Tasman Sea in a light trainer-mainly, perhaps, because his experience would warn him of the many hazards. Yet, in the days when astronomical navigation was a little known science, Mr. Chichester set out from New Zealand with only a small sextant, a pocket chronometer and a seaman's book of nautical tables to guide him to Australia by way of two small islands which were mere specks on the map.

Mr. Chichester not only had to fly the small seaplane, but at the same time to make observations from the sun and plot his course. On the second stage of the journey-from Norfolk Island to Lord Howe Island-the radio went out of action and the vibration of a "rough' engine began to break up the flying instruments one by one, but the pilot landed without mishap, only to have his machine capsized by a gale while at anchor. This meant that the seaplane had to be completely dismantled and rebuilt. The last stage of the flight to Australia was accomplished with one magneto " dead " and the other threatening to give up the ghose at any moment.

Digitized by Hunt I

-,, which was privately printed at the Chiswick Press in 1901.

86 GLISSON, FRANCIS. DE RACHTIDE, sive Morbo Puerili, tractatus. Leyden, 1671. 8vo. Fine engraved frontispice (reproduced p. 653 Major, Classic Descr. of Disease, showing some interesting pictures of patients). 8 II., 428 pp. with several s. Old calf, gilt back. £6.6.

leipated by Whistler and others in the description of infantile rickets. Glasson's account that had till then appeared . . . " This, the third edition, is the best of the early editions

ARY, WALTER. The HAMME FOR THE STONE. So named, for that it sheweth : most excellent remedie that ever was knowen for the same. Lately devised by C. Maister of arte, and student in phisicke. London, by John Windet for Henry nham, 1586. 16mo. With fine woodcut on the title page, 12 II. Printed in black ers and Italics. Brown morocco (Rivière). £105. ly copy known, the Ham House (Earl of Dysart) copy.

Hammer for the stone.

So named, for that it the weth the most excel lent remedie that ever was knowen for the fame. Landy desifed by VV ALTER CAR

THE

n very much obliged to Mr. F. S. Ferguson about the bibliographical details relating his book. There are three separate editions of it : H. Denham, 1580. Copies in the B.M. (but not in the catalogue) and Huntington

H. Denham, 1581. Huntington Library. Later appended to some copies of Cary's well to Physicke, 1583, a cancel title announcing its inclusion.

ohn Windet for Henry Denham, 1586 (this copy).

s these separate editions The Hammer for the Stone was reprinted in Cary's ill to Physicke, 1587 and 1611.

See Reproduction (orig. size) opposite.

E. WEIL, BOOKSELLER,

52

31ULIO. TABULAE ANATOMICAE LXXIIX, omnes novae nec ante hac Bucretius XX quae deerant supplevit et omnium explicationes addidit. Engraved title, 2 II. and 97 a natomical plates, drawn by 'ialetti (1573-1638), the master pupil of Tintoretto; engraved by sio. Each plate with explanatory text on verso. Two books in one off reher-ded. alf, rebacked.

pp. 225-26. De Feyfer, Vesal D.61. Cush. Libr. S361; C114. very good large copy.

very goou large obpy. of Casserius in 1616 he was succeeded by his pupil Adriaan van der 25), known as Spiegelius. This man is the last of the great Vesalian fressors of anatomy, which began with Vesalius) and, on the death of tased to lead the world in anatomical study. We observe that the resembled the first in being a native of Brussels, and having studied

"The anatomical works of Spicehel appeared in 1627. The text describes the lobe of the liver still called 'Spigelian'..." (Singer, Anatomy). "A wonderful union of scientific accuracy with artistic perfection was attained in the Tabulae Anatomicae of Guilo Casserio, whose 'eviscented beauties' are as attractive student. These

Frati, No. 11. Not in the Cushing Library.

Frail, No. 11. Not in the Cushing Library. The very rare second edition : the first edition of 1661 is of our-standing rarity and as far as I know no copy has ever been offered for sale. "Malpight's name will always be associated with the discovery of the capillary circulation. He found that the lungs and mesentery of a frog could be so exposed beneath a microscope that the vascular pathways might be brought into view under relatively high magnification. He then saw the small communications between the ends of the arteries and the beginning: of the vens. . This account is contained in the second of two letters addressed to his first letter he had given an account of the bronchioles and the vesicular structure of the lung..." (*Fulton*). Stamp on the title, good copy.

ad bought several to publish a few nine plates dealing h his own explanast beautiful

IS, AENIS FIGURIS Ed. L. Crema. 1 pp. With nine,

l'intoretto's pupil. £31.10.

expense and is rare." (Choulant-Frank, with two reproductions). When Choulant in 1852 considered this work rare, it is easy to conclude that it is very rare now. DESCARTES AND THE CIRCULATION OF THE TRANSPORT 179 MARAT T

Inf. REVERVICE, TAM, VON Ine BEVEROVICII EPISTOLICAE QUAESTIONES CUM Arn. Laers, ER, BARTH. PRACTICA, auss den fürnemesten Secretis, weiland des ge of letters of 43 CARRICHTER, BARTH. PRACTICA, auss den fürnemesten Secretis, weiland des Edelen und Hochgelehrten Herren B.C. der Roem. Kay. May. Herrn Maximilian des Andern... Hof Doctors...-Von allerhand Leibskrankheyten: Von Ursprung der Offenen Schäden und hirer Heylung. Strassburg, Ant. Bertram, 1590. Sm. 8vo. Title in black and red. 8 II., 160, 183 pp. Half vellum. £55. ie Blood, £12.10. a of Dordrecht, his letters and

Very little is known about Bartbolomaeus Carrichter physician in body to Maximilian II and Ferdinand I. it he has clearly His Practice, defield by Michael Toutte, a propiet of Paracetaus, is an early example of a medical handbeed, and the so clearly in a vernacular. It is increasing in the source on ophilamatology, dentistry, synaecology and generally abt. Descartes' for the good humer with which the book is written. Some stains on the tule and a few lawse. Very rate, eds the motion of for the good humer with which the book is written.

and when the book is written. Some trains on the time are the structure, they have not the motion of the nearty. romowing this are two fetters if off, a certail programme a Louvain it to Des-cartes and his replies. The discussion is so full of interest, as the first of importance in literature following the 'De motu cordis' of 1628, that I have had the letters trans-tioned.

" Descartes was the first foreigner of distinction (though really at the time he was not known as an author) to accept Harvey's views." (William Osler),

Smplinted at London by John Willin fo: Henry Denham. 1586

,

Digitized by

No. 44. Cary, The Hammer for the Stone, 1586.

-13 which was privately printed at the Chiswick Press in 1901.

86 GLISSON, FRANCIS. DE RACHITIDE, sive Morbo Puerili, tractatus. Leyden, 1671. 8vo. Fine engraved frontispice (reproduced p. 653 Major, Classic Descr. of Disease, showing some interesting pictures of patients). 8 ll., 428 pp. with several woodcuts. Old calf, gilt back. <u>f.6.6.</u>

44 CARY, WALTER. THE HAMMER FOR THE STONE. So named, for that it sheweth the most excellent remedie that ever was knowen for the same. Lately devised by W. C. Maister of artes, and student in phisicke. London, by John Windet for Henry Denham, 1586. 16mo. With fine woodcut on the title page, 12 II. Printed in Medical Letters and Italics. Brown morocco (Rivière). £105. Only copy known, the Ham House (Earl of Dysart) copy.

I am very much obliged to Mr. F. S. Ferguson about the bibliographical details relating to this book. There are three separate editions of it : (1). H. Denham, 1580. Copies in the B.M. (but not in the catalogue) and Huntington

Library

H. Denham, 1581. Huntington Library. Later appended to some copies of Cary's Farewell to Physicke, 1583, a cancel title announcing its inclusion.
(3). John Windet for Henry Denham, 1586 (this copy).

Besides these separate editions The Hammer for the Stone was reprinted in Cary's Farewell to Physicke, 1587 and 1611.

See Reproduction (orig. size) opposite.

E. WEIL, BOOKSELLER,

52

CASSERIO, GIULIO. TABULAE ANATOMICAE LXXIIX, omnes novae nec ante hac visae. Daniel Bucretius XX quae deerant supplevit et onnium explicationes addidit. Venice, 1627. Engraved title, 2 II, and 97 & a na to micai plates, drawn by Odoar do Fialetti (1573-1638), the master pupil of Tintoretto; engraved by Francesco Valesio. Each plate with explanatory text on verso. Two books in one produce of the cafe reduced. volume. Old calf, rebacked.

Choulant-Frank, pp. 225-26. De Feyfer, Vesal D.61. Cush. Libr. S361; C114. Original edition; very good large copy.

Original conton; very good large copy. "On the death of Casserius in 1616 he was succeeded by his pupil Adriaan van der Spieghei (1578-1625), known as Spiegelius. This man is the last of the great Vesalian line (of Paduan professors of anatomy, which began with Vesalin) and, on the death of Spieglius, Padua ceased to lead the world in anatomical study. We observe that the last of the dynasty resembled the first in being a native of Brussels, and having studied first at Lowinin

 If at Louvain.
"The anatomical works of Spieghel appeared in 1627. The text describes the lobe
"The liver still called' Spigelian ..." (Singer, Anatomy).
"A wonderful union of scientific accuracy with artistic perfection was attained in the Tabulae Anatomicae of Giulio Casserio, whose 'existented beauties' are as attractive in appearance as their dissected parts were held to be instructive to the student. These Corregio-like plates of Casserio were incorporated in the eatas (1627) of Spigelius ..." (Garrison.)

287 SPIGELIUS, ADRIAAN. DE FORMATU FOETU LIEER SINGULARIS, AENIS FIGURIS EXORNATUS. Epistolae duae anatomicae. Tractatus de Arthritide. Ed. L. Crema. Padua, Io. Bapt. de Martinis and L. Pasquati (1626). Fol. 4 II, 104 pp. With nine, very fine, full page engravings, after designs of Odoardo Fialetti, Tintoretto's pupil. Half morocco. (31.10).

Chaulant-Frank, p. 226. Cushing Library S360.

Original edition, a very good copy. "Spigelius' son-in-law, the physician Liberalis Crems of Padua, had bought several copperplates from Casserius' grandson and when in 1626 he winhed to publish a few selections from the posthumous works of his father-in-law, he chose nine plates dealing with the pregnant uerus, placenta, and the child, and added them with his own explana-tions. These plates are among Casserius' most beautiful eng graving s. Four of them represent entire female figures with the abdomen cut open. At their feet we see decorative landscapes. The work was published at Crema's expense and is rare." (Choulant-Frank, with two reproduction). When Choulant in 1852 considered this work rare, it is easy to conclude that it is very rare now. DESCABTER AND THEN COULD ATTEND. OF THEN LOOD.

DESCARTES AND THE CIRCULATION OF THE BLOOD.

DESCARTES AND THE CIRCULATION OF THE BLOOD. 106 BEVERWIJCK, JAN VAN. JOH. BYEROPICIE EFISTICAS QUASTIONES CUM DOCTORUM RESPONSES.—Accedit Medicinae Encomium.—Roterodami, Arn. Laers, 1644.—Svo. 8 ff.+250 pp. +140 pp. (Contains on pp. 118-149 the exchange of letters of Descartes and Beverwick on the Circulation of the Blood, illustrated with one figure). Vellum.

illustrated with one figure). Vertum. Events, Bibl. Osleriana 722: "¹⁴ Yan Beverwijck was an enterprising young physician of Dordrecht, who sent questions to various distinguished people, and then published his letters and, the answers. On p. 118 is a brief letter asking Descartes if it is true that he has clearly established the circulation of the blood, leaving no one any room for doubt. Descartes' reply, dated 1643, is a full acceptance of Harvey's views, except as regards the motion of the heart. Following this are two letters from a' certain physician at Louvain' to Des-cartes and his replies. The discussion is so full of interest, as the first of importance in literature following the ' De motu cordis' of 1628, that I have had the letters trans-lated."

¹⁰ Descartes was the first foreigner of distinction (though really at the time he was not known as an author) to accept Harvey's views.²⁷ (William Osler).

Animalia.

CRUVEILHIER'S DISE JEAN. ANATOMIE PATHOLOG volumes, consisting of 40 parts, Half calf, contemporary binds Trat rang, contemporar biolitical great range. Gamesa Monton also this on a of the great rolessor of Pathological Antonny croists (in vol. 2) and an Antonny Cruveilhiers disease has been bicance, p. 687.

of the few copies known some

ES. OBSERVATIONS CHIPTERICALE 220, 430 pp., 1 leaf. With large 010 urs. Old calf, pit heck, pit is wellknown work is much sought therine soluter does not mention it. Fine supp.

PRAITÉ COMPLET DE LA GONCEZER d'un Mémoire sur la Construction e la Vessie. Paris, 1756. Svo. Wr.

on there is a wormhole in the lower what the

G, CH. BIBLIOTHÉQUE DES MEDICINS aris, 1847. 69 pp. Half cloth.

while a (1814-94) anotand copy of Durenborg, werea and Lazin Medical class, published for blakked, the prospectua given spectrum of Collection (d'Urehase) of 1851 (80 pp.), the la

Y .- BOURDET. SODAS FACTLES POLTS pon des Dents et pour faire éviter aux Est Paris, 1771. 16mo. 248 pp., 2 IL Con dges and dentelles.

difficult to find such a superb copy in a more aders of the XVIIIth century. Bourdet was a See Hirsch, Aerne Lex. I, 542,

48

ses of M.D., to mention a Avernmentary government of MAT Data of international in 1712 Ant. de Jussieu's theses, etc.--Very good of ICAL EPIGRAPHS -BLANCHARD, R. EPIGRAPHIE ME NAL EPIGRAPHN—BLANCHARD, R. EPIGR ptionum ad Medicinam Biologiamque spectantium. Nali niger morocco.

obtionally begun collection of epitaphs of medical men and all sorts of other mar-ings, etc., of medical interest. All that has been published ; complete with DICAL SAINTS. VADE MECUM. MISSALE ITINERANTIUM, see la derote. (Nuremberg, W. Huber, 1510.) 4t0. Title prime sol types, text printed in red and black in Gothic Letter. Fine, fa distribution, dated 1510 and small woodcut of St. Veronica's head-file prime details. Velum.

his early missal for travellers is interesting for the historian of m the prayers against different discusses: against the plague to St. inst.errorium ("St. Anthony's fire") to St. Antony the He



4 Ashford Road, Cheltenham, Glos.

Jan. 19. 1954

(Dear mer arber,

I got your delightful paper. This morning and read it all before getting up! The account Digitized Gentunder Hut Prof Botanical Documen

is especially interacting to me. Since you are interested in

The Ristory of terminology, you might like to make a note of

a few terms used by Rufenus

in the 13th century .

gamba (Rufinus, p: 22, sub Umbrosia, p. 50, sub Queha Rerba; h.95, sublicuta. et pession); dim. gembula, gambullo a stalk, stem (lat. gamba, a hoof; gamba it. ip. jambe fr., leg from the knee to the post - see Dies Stym. Worterbuch d. Romenischen Geneken ed. 3, 1, p. 198. 1869) Distiger, a statk, stem (no affacent) repulsion, lit a little twenth, hence a globose head acus, a slender straight pointed stem like a needle, hence a spike (N.B. racemes with short pedicels [h]astula, lit. a little spear, hence a straight stem (p.50, Lub atenasia) a itraight shackin of a recene (p. 63, Ant Burna partoris)

barbula, lit. little bard hence used go the triangular lober of a hartate or sagittate las (A. 54, Aut Barba aaron) pomum, orig. a large rounded fleshy fruit, hence applied to pomellus dim of pomum, applied to the little rounded groups of male and female flowers in arum (with)or Botanical D Capsula , capsulla , lit. a lette Dor, hence applied to any enclosing structure, e.g. the capale of Paparer (A. 229), and the spatte of arum (h. 54, sub barba Claron). pinea, lit. a pine-cone, here applied to a structure of rimilar shape, e.g. The acute unopened spathe of narcinus (N. 202, Kub Barisons)

N.13. asta is not necessarily a straight sten - see p. 302, sub Projellum Palamonis, Synonyma, we find " facit astern flexan in arcu." of convie Ruferus and carlies authors did not use an exact terminology : they made exterine use of comparisons. Rindert Regards from us South Saws sencerely J. R. Sprighe P.S. no reply needed unless you want purther information about any of these terms. This is merely a letter of thanks A. .

Mondipe, L. (1946). p×11. Rufun headed "not log ofter A & 128)) Simon Corda of Jenoa, bynonyma medicine som after 1292. bili Sumen "had for behavings wi and write , Crete shan not any & freck names , heads liftacie victus. He cite the "free herbain" more ter one E. H. F. Meyer Mulei Damasceni de plants lebri duo Artolleli vulgo adscripti i tx Diacaci Ben Honain versem arbia latine verte In michaus Damesenes des pxi Muna ms j Rifines i - t Laurutin Liley on- 1= lorence.

Jete Herlell Digitized by Antheren (uteror Bor Inical Docum "Anthere hater Select floure = Lee also 17 II 130 B

Christo. 1 nov. 1944. Al. la My dear W. arber, are you by any chance free on Saturday week Rov !!! 9 if so could you'? Muriel have tea here that afternoon ? In the course of excavation (I'm really digging up quite a lot of territory - nasty measy job) I've come across two coals for you. So I'm sending them to newscaptle. Of course you will Lave had knowledge of them years ago. (1) The charming wood cut of Jean Bauhin in the De Plantis Nomen Absynthic (1593). I know you like him : 30 do I : " this is much ricer than the rather assyrian liteness of Jashard. (2) "Semen Rosarum hic significat antheram id est luter apices qui sunt in Rosis": This grom Pieter Condenberg on Valerius Cordus p233 published Leyden 1593. Is this mention of anthers & the male seed not very early? At least it is nearly a century before the ? mighting tale of D: Millington to whom Grew gave undescrud credit. Condenberg seems to me a very worth - while person. Turner & De "Eleve have a great respect for him . Even if you know all about my two finds, I think you ought to give me a pat on the back for finding them ! And inplay dur frete at the moment I'm doing Bestiaries & The mediacuals !! yours very successly Herbell & Comercius horts) & anther cons no mythe

Histy Anatony Drope F (1672) bow we Shawoh Hh. 19.7. In 114-5. Cantrel guess annel renge Lee (2) 40

55

Condelle, A. de (1866) Rep der Innaeus' vers. one the idees de prédelection "on tra- the contre, the branch forme the colyx, the flaver, the fator the coule, the wow to stores atte pite the picked . Phil. bot. 86; milamythos's plant. in Amain. and 4. p 3 70, 774; prolepus, ct 6 p336 De land the forms and then the treat this not a sefanche His thay 7 prolepsis, in to cost in 7 by as prepar - halden duy five a sex years in to interm 1 to plane Amaen. acad. Wh 6 / 330 et eg. Any A-P de Candelle deruch dez lis life ten 6,350 Hunt Institute Plat Both in Documentation (Jus . Ju my detas duffor blands here publice).

Baisly, Long SHAKESPEAN de FLOWERS Thehesperes' failen at the Mans + Elaves nomed in his with desirbut + definite dude, Loryman, freen, Lugme, Robers, ofreen 1064 Mud bore full frankling to the fall in the former of Ellaumbe, H. N. (1804) The Plans- Low B18 XX VII. 75 402) Jarden - erop of thehropean. 2: old. [1: d 1878 XX VII. 75 402) Low Satchell + Co, + Imphin + Maushell. (M 14: 2:012, 17] Thu ; two an 1896 ed th Ellauberg Beerly 5; clow the show usseen 3 lost at V.C. ustles, this 2 that is lost and and and to long any term Ellaumber 3 the tis lost as crossed and company term Ellaumber 3 the tis lost as crossed and company term Ellaumber 3 the tis lost as crossed and Lavere, F.S. (n.d. 1928) Why Flow tide Love & Moherpeare. Chellevila . E. J. Burranto 724. d. 492. 10. Water gelocal man av Barbon Khing Whateperto flavers Low of DI Watt 0.4) All 3 un unscholag har Beerly - Ellounts wild be worten hang. no ud dtern Store Maharpeans somes, hur - los miscellans gutats for cartagony " cartur writers, T.0

Phaherpiare's Wild Flowers. E.S. Rohde 58 Reputer colum Mushers for drys of Jacques le myre de morgues » VA. In blac ordentes for Les des charps 724. C. 93.53 Murfers England VI I Clande Press 1916 Netures Herton - Plans XV. § 3. II 40500-515. Willing Theselbon - Dyen Al. 7 Barrinor Oct. 22. AQ 7. Digitized by Honton Stitute for Botanical Documentation I am afraid the more recent books on Thatespeare Flora drit add a guat deal I the carlies published mes. I han " Statespeares Flora and Folk- Ine & F.G. Javage put. shetford 1923 Ament " The Shelespean Garden" & Parter Sigleta . Coul Palmer 1928 439. C. 43.17 439. C. 43.17 Enest Law . Felwon + Blout 1922

(Populatur my have some useful state in w) H. Grindon. Manchester 1883. XXIX. 24.38 There is a still more went book ·SIS-ars 4 Gr. (9 Think) Sleann Rohde - 9 9152 cm Digitized by Hunt Institute for Botanical Document r seen. ne Ider books & Macmbe & Beists & publs antro Knn. RAS Tru. C. 93.53 28 I cold lend go ag or all m y these (except Rohde) I look mar, if They would 2 of 20 use E gr. Balier re Sarcing grus m. A.m. macalister

Somerset Grows It for Yorkshire TEASLE seeds Hamel, T. C1936 My We But.

A UGUST brings an event of great importance to Yorkshire's staple trade, woollen cloth manufacture, an event which is unique in view of this importance, because, with it, Yorkshire folk have little direct connection ; though, without it, many of the cloths for which the shire is famed would be well-nigh unobtainable.

Youlshis life.

The event takes place in South Somerset, around the villages of Hatch Beauchamp, West Hatch and North Curry. The annual harvesting of teazels is the event; the resulting crop being sent to Yorkshire in October for use by the cloth finishers of the Broad Acres Shire.

Teazels perform a major rôle in the finishing of all Digitized bedoths Naval officers uniforms are made from cloth

with greater pliability at the point of its petals than at the house-front. Those who have made the latter use

its root, is used in the clothraising process.

The teazel seed is sown in March, and the teazel-beds handcultivated during the summer, with transplanting taking place in October. Flowering commences in the following July, with harvest one month later. Seed-time to harvest-time entails seventeen months' hard work and patience on the part of the teazel farmer.

Harvest work demands skill and experience, and the harvesters wear thick gloves as protection against the danger of their hands making contact with the prickly head of the teazels.

It is important that the head should remain intact; this being the part of the plant, by use of which the wool fibres of cloth are combed in straight



Vol I Nº.6. 1947

TEAZELS GROWING AT HATCH BEAUCHAMP

of this type. The teazel, a plant of cylindrical shape, holders have been known to find them growing in the possessing diversity of flexibility from top to bottom, garden; others have used them as a hedge to protect

of the plant report that it thrives in heavy clay soil among cinders or between paving stones. Teazels have been cultivated in Somerset for at least eight hundred years; even there, however, somewhat of a decline has taken place during the present century. One factor has been the increased need for arable land; another, the seeming lack of younger men to take the places of the older craftsmen who have spent a whole life-time in teazel-growing. Furthermore, on the demand side, the call for teazels has lessened since the introduction of card wire raising methods into the cloth trade.

Card wire raising provides an alternative to teazel raising; use being made of pointed wire teeth, mounted on strips of a

A TEAZEL CUTTER'S KNIFE

By K. E. MARSDEN

fashion on the surface of the cloth, a pile thus being obtained. By plucking and combing the fibres with the teazel head, a smooth face finish results. It is material of this type of finish that is worn by the officers of Britain's Senior Service.

The machine in which the teazel is used goes under the name of the raising gig, consisting of a revolving drum or cylinder which revolves in the opposite direction to the course of the cloth being treated. The drum or cylinder is fitted with rods containing teazels.

At one time teazels were actually grown in Yorkshire, but cultivation to-day is confined to South Somerset and, in a smaller way, Gloucestershire. That is, of course, for future use in the cloth trade. Norkshire house-

Ap. 1560

mare 1948

MEDICAL BOOKMAN AND HISTORIAN

BOOK PRIZES CURRENT

AN interesting note in a recent number of the Journal of the Royal Horticultural Society. November 1947 (Vol. 72, p. 450), recalls an event unique in bibliographical annals which may be fresh to some of our readers. A medical man who secured the passage of an Act of Parliament permitting him to organize a public lottery in order to dispose of his unsold works is certainly worthy of notice. Robert John Thornton (1768-1837), of Cambridge and Guy's Hospital, began practising in London in 1797, but devoted the greater part of his time to the writing of medical and botanical works. These latter have brought him lasting fame, for in spite of the unorthodox manner in which he disposed of them, they are of great merit.

The original handbill advertising the lottery is reproduced in the journal noted above. It is announced as 'A Royal Botanical Lottery for the promotion and encouragement of the Fine Arts and Science' and in

consent of Parliament.'

Twenty thousand tickets at two guineas each were offered for sale, and ten thousand prizes. The first prize consisted of all the original paintings ('The Linnean Gallery') which had been specially executed for the illustration of his works-value £5,080. There were 199 prizes of his complete works -five volumes with hundreds of magnificent flower plates-the set valued at £80 and now worth at least £340; 200 prizes of the plates of the Temple of Flora, valued at £30 each (now worth £42); 600 prizes of the quarto edition of the Temple of Flora, valued at £15 each; 2,000 prizes of the Flora of the United Kingdom, five volumes valued at £10 the set; and 7,000 Elements of Botany, two volumes valued at £3.

The latter part of the circular states that 'The present ROYAL BOTANICAL LOTTERY will convince our ENEMIES that ENGLISHMEN can and will encourage the Fine Arts, and that this Country can produce, when en-

couraged, such Works as no other Nation can boast of.' Sir Stafford Cripps could hardly be more persuasive, but apart from this boost to national morale the circular contains the germ of an idea that may well commend itself to many of our readers. Our own observation of the bookshelves of our colleagues suggests that a GRAND HARLEY STREET LOTTERY might well prove the best means of disposing of their own literary offspring which have failed to thrive and of the accumulation of decades. We are all familiar with the problem of housing many books in a small space, but this was apparently overlooked by the medical poet, Abraham Cowley, when he said :--

May I a small house and large garden have!

And a few friends, and many books, both true.

Digitized by Hu a note below patrons are informed that anical Documentation
TIMES SATURDAY MARCH THE 20 1948

AP 16

61

The "Botanical Magazine"

DE

Among periodicals Curtis's Botanical st Magazine stands high in seniority and honour. The first number was published in 1787 and ever since then the magazine the has continued to appear with handcoloured plates (now amounting to 9,688) It and careful scientific text. It is described a as " the oldest scientific periodical of its it "kind with coloured illustrations," and o until now it has continued the colouring of plates by hand. The founder of of this venerable periodical was WILLIAM di 15 CURITS, also known for his noble "Flora" di "Londinensis." But whereas the "Flora" se brought him only praise and seri-ut ously impoverished him, the Botanical Martine as he himal solid "brought himals." busy importanted more the bolanced in Magazine, as he himself said, "brought e" him pudding." Its success was imme-ts diate, and it is remarkable that the early an unbers achieved a circulation of 3,000 is contact which. as numbers achieved a circuition of 3,000 in as copies, which continued throughout an id Circuit's bite. Many distinguished U y botanists have edited the Bot. Mag. pa y (as it is affectionately abbreviated) since 9) (as it is affectionately abbreviated) since tr, CURTIS's day, most notably Six WULLAM, y HOOKER and his son, Six JOSEPH HOOKER, d with the first of whom began its intimate e connexion with the Royal Botanic i- Gardens, Kew. To-day the magazine, o which since 1922 has been published for s, the Royal Horticultural Society, continues to be edited at KFW. As in CLENTES, time. PI is to be edited at Kew. As in CURTIS's time is to be ented at Rew. As in Contris s time is it is still intended for such Borticulturists d as "wish to become scientifically ic "acquainted with the plants they " cultivate."

Times change, however, even for the oldest established institutions, and the fourth part of volume 164, published withby fourth part of volume 164, published with a m. in the last few days, marks the end of an m. epoch, the fading of an ancient craft. For g some time past it has been found increase ing ingly difficult to get the plates coloured by un hand, even for a small edition, and during S at the war the issue of the magazine became p are considered beinged. the war the issue of the managemene became ry seriously delayed. It is said that recently to the craftsmen willing and competent to it, undertake the laborious repetitions of the of artists' original tints have come only from a single family. So the old process is to be ir given up. A "new series" is shortly to

_the begin with colour plates mechanically produced and, it is to be hoped, the larger circulation which such methods will per-mit. The *Botanical Magazine* has a dis-tinguished record of illustration, having numbered among its regular artists SYDENIAM EDWARDS, who was trained for the surger back for the purpose by CURTIS, and WALTER HOOD FITCH, who was SIR WILLIAM HOOKER'S pupil, both famous names in botanical draughtsmanship. In more recent years there has been a succession of notable women artists, including MATILDA SMITH, who from 1887 to 1920 drew 2,300 Sattrik, who from 1835, including available Sattrik, who from 1837 to 1920 drew 2,300 plates, and since her day the present illustrators, Miss Lituan SnetLinko and Miss STELLA ROSS-CRAIG. Thus the Statistical Magazine has made a large contribution to an art in which, as in other branches of natural history illustra-tion, this country has during the past two centuries established a great and flourish-ing tradition. It is certain that, so far as pre the artist is concerned, this tradition can civi continue. The interest in botany and horticulture, the skill of hand and eye, have not failed. The only uncertainty is wifae loss if any, the changes in method of reproduction need entail. In this, as im containes thallenge to the conquering age letter sit scallenge to the conquering age utters its challenge to the conquering age of the machine. It remains for the resource in an wention of man to find a worthy to nawer. answer.

Digitized by Hunt

THE TIMES LITERARY SUPPLEMENT SATURDAY JUNE 26 1948 548

modelled by the -.

62

Ap 17

Ap. 18 63

Digitized by Hunt

ih fare pungepipman dengen ih fare pungepipman dengen imb matolan genim har pipare heman polugo minop Johan na man seho epopion memnik har

1 vopan

enlo

insp

Den

incurse for colarie hunor.

1050. The accurate final must have lived can (see page 256 of

TOYNBEE'S STUDY OF HISTORY IN THE US

D. C. SOMERVELL'S one-volume edition of Arnold Toynbee's A Study of History has been one of the outstanding publishing successes of recomyears. The circulation of the English edition has been limited by the quantity of paper that could be allotted to it, and the demand for the home and export markets is far from satisfied. In the United States, where the Oxford University Press New York Branch produced its own edition, the sales have so far totalled approximately 200,000 copies since the book wa published in March 1947-

In 1942 the American Publishers' Weekly founded an annual awardnamed the Carey-Thomas Award, after two prominent figures in early American publishing, Mathew Carey of Philadelphia and Isaiah Thomas of Worcester-to honour publishers for the outstanding example in each year of enterprise in producing and marketing a notable book, editoria judgement and co-operation with the author being among the factor taken into account. The Carey-Thomas Award for 1947 went to the

The New York Branch has since published a volume of essays Civiliza tion on Trial by the same author. The sales reached over 35,000 on the day following publication. The Oxford University Press will issue thi new book in England as soon as possible.

IRIODICAL

The contents comprise more than 600 historic times to the present, ranging from the late antique mystery cults in design, sculpture, architecture, and the minor arts of all periods. Though the is adequately informative and also illu-(who has recently died) and R. Wittkower (both of the Warburg Institute) again after the relatively small edition is

order duniversity Press, New York, for their remarkable success in Andhing the abridged version of a Sudy of Hillory. Insultute for Botanical Documentation

OPPOSITE. Illustration from an Anglo-Saxon Herbal. About A.D. 1050. The accurate representation of the scorpion shown that the arrist who drew the original must have lived in the Mediterranean region. From Brinth Art and the Mediterranean (or page 236 of



Ap. 18 63

My Harsve Vas3 m2 \$ 300 Digitized by Hunt Institute for Botanical Documentation



156

DMING MARRIAGES

Obituary

John Tradiscen the Elder due 16 20

TDIES, FRIDAY, NOVEMBER 26, 1926.

A BOTANIST AND COLLECTOR.

DN. THE TRADESCANT WINDOW AT OXFORD.

(ROM A CORRESPONDENT.) a graceful act on the part of the fubs of Virginia when they deter-it the history of our botanists and was also that of their botanists and

17th century, and there collected escant Museum, now included in molean, several examples of the

THE ASHMOLEAN MUSEUM

64

TWO ART GALLERIES REARRANGED

FROM OUR MUSEUMS CORRESPONDENT

Like most museums, the Ashmole Museum, at Oxford, has been undergo since the war a process of rearrangeme and change. Of this the latest sign is be seen in the complete alteration effect in the contents of two galleries in the Department of Fine Art.

One of these two is the com, small room at the head of the n case, previously known as Strangways Room, but now to

der's Room.

THE TRADESCANTS

FAMILY PORTRAITS

Digitized by Hunt Instit

THE TIMES LITERARY SUPPLEMENT FRIDAY MAY 6 1949

CONFIDENT CENTURY THE

FRANCES A. YATES: The French sixteenth century, Academies of the Sixteenth systematize the wi Century. Warburg Institute, Uni-versity of London. 50s.

Traditionally the seventeenth century is regarded as the century of academies in France, and with reason, for in the course of it were founded first the Académie Française, and then the academies of painting, architecture, science, dancing, and inscriptions. But Miss Yates has amply proved her main thesis-namely, that the spirit which produced these institutions was already alive in the sixteenth century, and that in their foundations Richelieu and Colbert did little more than develop the principles of their predecessors, the patrons of art and letters under the ast Valois kings.

Miss Yates's book opens with an account of the known academies of the sixteenth century, so far as this-can be pieced together from the exist-ing evidence. Unfortunately, the crucial records were in large part destroyed in the later wars of religion, and the author is therefore obliged to draw widely on indirect sources in contemporary letters and memoirs. From this material, however, she is able to give a surprisingly complete and vivid account of the activities of Tyard and their companions, who, neurotic, kind of religious institution of Cardinal Richelieu and the four with the spleadid confidence of the in the Congrégation de l'Oratoire de tion of the Académie Française.

sophical encyclopaedia. The nontechnical reader may find some parts of these early chapters a little severe, particularly those dealing with music, but Miss Yates has all the time her goal clearly in view, and the reward for industry is generously given in the later chapters.

In these the theme broadens and the topics become of more general historical interest. Perhaps the most remarkable part of the book is the courageous rehabilitation of that much discussed and much maligned character, Henry III of France. We have become used to the necessity of giving up our old picture of Catherine de Medici as a bigoted tyrant lusting after the blood of Protestants ; but her third son is still chiefly known as the feeble and vicious patron of the mignons, whose uncertain policy led him in the end to be attacked equally by Protestants and Leaguers. Miss Yates, however, presents a quite different picture of his character. First of all he appears as the enlightened patron of a court aca-demy in which were continued many of the best traditions of Baif and the Pleiade. Further, this academy can be demonstrated to have been trans-

to Notre Dame de Vie Saine established systematize the whole of human at Vincennes. This hitherto little knowledge into a poetico-philo studied organization is a startling gious sentiment at the time of the Counter - Reformation. Violently mystical, and yet incorporating certain pagan symbols from the older humanist tradition, on the one hand it demanded the harshest practices of penitence, and on the other encouraged academic polish in the art of the preacher. With apparently no sense of incongruity-or perhaps indeed because of it-the scented mignon would retire to his monkish cell at Vincennes in preparation for a penitential procession, which would be led by the King, and in which all the greatest nobles of France would take part. Once more we see how in the later sixteenth century the borderlines between sensuality and asceticism, between mystical and physical pleasure, are blurred; and we realize how easy, and how wrong, it is to decry these religious activities as hypocritical.

65

In her last chapters the author traces the links which connect the academies of the reign of Henry III with the more celebrated foundations of the seventeenth century, and shows that the tradition, though growing thin in the reign of Henry IV, was yet carried on continuously to the time of Cardinal Richelieu and the founda-

11

THE TIMES LITERARY SUPPLEMENT SATURDAY MARCH 19 1949

SCIENTIFIC FELLOWS

DOROTHY STIMSON: Scientists and Amateurs. A History of the Royal Society. Sigma Books. 15s.

sh

10 ic

prk.

las v.a en-

Digitize

ork. s to is able . F.

D

2'8

ng pe his eal re, ry od ed

Intanks are due to this American university teacher for supplying what the publishers rightly call "the first authoritative book for the general reader to tell the absorb-ing story of the world's oldest scientific body in continuous exist-Ing story or the word s obsets scientific body in continuous exist-ence." If one fault may be found, it is in historical perspective. The early history of the Society is dealt with fully, but the recent years cursorily. The great names of Sir Frederick Gowland Hopkins and Lord Rutherford, for example, do not appear to be even mentioned, though they will rank with any save only Sir Isaac Newton in the presidency of the Society; and the work done by fellows in the present century is equal in scope and signifi-cance to that of their forerunners in aby period of their forerunners. A critical eye will also notice one or two matters which a more precise proof-reading would have corrected; ute for **Botanical Documentation**

To create the second se

Miss Stimson's title indicates the Miss Stimson's title indicates the theme which runs through her history —the question whether the Society should be an association of serious scientific investigators or a club com-posed both of scientific experimenters and of amateurs interested in science. The former conception has prevailed since 1820, to the undoubted advan-tage of the Society and of science. The tage of the Society and of science. The reform began when Sir Humphry Davy was elected president, and men Davy was elected president, and men of science were given a majority on the council; shortly afterward the statutes were modernized, and in par-ticular the admission and weekly fees were substantially raised. In its early days the Society was seldom out of financial difficulties, and this was a main reason for the conferment of the fellowship on noblemen and other patrons with a lowe for science, but no the fellowship on noblemen and other patrons with a love for science, but no special distinction in it : the weekly fee had remained at one shilling from the foundation until 1823, though the practice had sprung up of requiring candidates to compound for their annual dues by the payment of twenty-six guincas (later forty pounds), which in a very unscientific manner was spent as current income. Though these changes were carried out in Davy's time, and he was him-self a great experimenter, he deve-loped (perhaps through marriage to

DOROTHY STIMSON: Scientists and Amateurs. A History of the Royal 3 Miss Dorothy Stimson dedicates this work to her students in history at Goucher College in the United States and she modestly claims that Thore who have the time and the sportunity to look through the Royal Society's to look through the Royal Society's to look through the Royal Society's to look through the Royal strange arcse when he arranged that his own successor should be the Duke of Sussex. The election was contested, and out of 230 votes cast from a mem-bast stim and the societies of the Society is the outset. Thanks are due to this American university teacher for supplying what the publishers rightly call "the first authoritative book for her general reader to tell the absorbmost eligible candidates, and that suen-candidates (apart from certain privi-leged classes) should not exceed fifteen in a year. The Society's finances were at the same time placed upon a sound basis. In this way a majority channelic fellows secured. The a sound basis. In this way a majority of scientific fellows was secured. The election of Prime Ministers and noble-men to the fellowship from time to time is a reminder of the "privileged classes," but the recent election of Princess Elizabeth is also a reminder of another great step which has been taken in the past few years—the open-taken in the past few years—the open-taken in the fellowship to women. This is no doubt the reform which would most have surprised the

would most have surprised the

16

members of the "Invisible College" who used to meet in London about who used to meet in Eonori actor 1645, and out of whose gatherings the Royal Society grew. Some of them were sent to Oxford to take the place of dons loyal to Charles I, and they there founded a Philosophical Society. of dons loyal to Charles I, and they there founded a Philosophical Society. But close connexion was maintained with the London members, who began to meet regularly in Gresham's Col-lege: on November 28, 1660, the formal decision was taken to found "a Colledge for the promoting of Physico-Mathematical Experimental Learning"; and the following week word was given of Charles II's approval. The Society's early records are resplendent with names famous in science, letters and affairs, but there were scoffers, and its first so-called History, written by T. Sprat in 1667, was less a history of the young Society than a justification. Nor was its second History, by T. Birch in 1746, so moch a history as a transcrip-tion of records. The first real History was that by C. R. Weld in 1848; and unless the Record and Sir Henry Lyons's work are so accounted, the Society has had to wait just another 100 years for another just another 100 years for another work of that description. It is in keeping with the change in the rules for the fellowship that this time the author should be a woman.

B

IN

THE TIMES LITERARY SUPPLEMENT FRIDAY JULY 22 (1949

CIASSICAT ARCHITE

PAINTINGS AND FLOWERS

Renaissance Painter's Garden. New York: Oxford University London: Cumberlege. Press. £6 65.

This in some ways delightful book is based on the principle of Sir Kenneth Clark's Hundred Details from the National Gallery-namely, of showing a close-up of some significant area of the picture which might otherwise escape observation. But whereas in Sir Kenneth's two volumes the details were miscellaneous and were chosen for their inherent beauty or interest, Mrs. Kennedy has specialized in those which are concerned with plants. We may all recall such obvious examples as the flowery carpet in Botticell's "Primavera," or the lify in Gabriel's hand in many an Annunciation, but the trellised hedges of roses, the pol-plants adorning a balcony, the violet on the shore of Cythera, the fluff of the dandelion accompanied by tadpoles (plate LV) may come less readily to mind, and for these promptings in a finely pro-duced gift-book we must be grateful.

There are, however, some criticisms which should be made. It is necessary to be severe on books of this kind.

RUTH WEDGWOOD KENNEDY: The The quality of reproduction in some of the plates, for instance, is not comparable in sharpness and clarity with the plates in Sir Kenneth's details, The fact that his details were a prewar production should not now be allowed to stand as an excuse, more especially as the text of Mrs. Kennedy's book has been printed in America and it is therefore fair to presume, in the absence of contrary evidence, that the illustrations were produced there also, where the facilities are greater. Then, this book was surely intended to be of value to gardeners and botanists, as well as to art lovers? It should thus fulfil a double role. It should, above all, be seriously and not whimsically annotated. Mrs. Kennedy contri-butes an adequately informative foreword (we will not go farther than to call it adequately informative), but we must begin to shudder when she starts writing descriptive notes like this (plate XXVIII):--,

> Perhaps Bonifazio Veronese imagined that the baby Jesus had just stopped play-ing with roses picked from the hedge behind his mother's seat and had dropped them on the steps below.

This sort of woolly, Christopher-Robin writing tells nothing to any-

body, neither to the botanist nor to the gardener nor to the art critic. Mrs. Kennedy has fallen between two stools, and the reason why her book is here called a gift-book is that it is not serious enough to appeal either to the student of pictures or to the plant-lover bent upon historical research. This is the most damaging reproach we have to bring against it. Much valuable information has been obtained from early flower paintings-there need only be instanced the curious problem of the vellow centifolia rose in the Wilton Diptych, painted at a time when no double yellow rose was known to exist in Europe-and Mrs. Kennedy might have added considerably to the interest of her plates by invariably recording the colours of the flowers depited—e.g., in plats III and XIII and XEIX and XXXV-and in giving us a closer view of the relevant detail, as in plates XXXIV and VIII, instead of showing the whole picture. The Resultance primer's Garden The Renaissance Painter's- Garden must thus remain in the Christmaspresent category, but at least the way has been pointed to a possible future volume, seriously undertaken, which would be of the utmost value to the historically minded botanist.

67

Digitized by

THE TIMES LITERARY SUPPLEMENT FRIDAY MAY 13 1949

Digitized b 15 of 937. 1 to rade

<text><text><text><text>

tan) con-lary ord-lined the

NOTES ON SALES

NOTES ON SALES 1795-1815 (£62); Hooker and Salisbury's Paradiasa Londinensis Botanical Cabinet, twenty volued for morocco, 1806-1807 (£35); Chief Mandsomethy bound in contemporary morocco, 1878; Edwards's Select Calicer morocco (£78); Edwards's Select Calicer tota of 100 Plates of _______ Vogel; P155-53; Contiming 100 finded portains not found it three mezzoini portraits not found it copies (255); M half copies (255); M hal

Wainskentogen in generation in the second state of the second state of the second only the second only the second only the second state of the second only the second state of th

and yan pos Bos Mis

68

ve other gate. cut 1949. > then THE TIMES LITERARY SUPPLEMENT FRIDAY JULY 22 1949

manu's Debt to the French of whom Dr. Gooch observes that he were continually at war with it

THE ROOT OF MISERY

REDCLIFFE N. SALAMAN: The History and Social Influence of the Potato. With a Chapter on Industrial Uses by W. G. Burton. Cambridge University Press. 50s.

Explaining in his preface, to this remarkable work his almost lifelong addiction to "this otherwise unoffen-sive vegetable" as an object of bio-logical and historical research, Dr. Salaman recalls that more than forty years ago he asked his gardener what would be a suitable plant for Men-delian experiment. "If you want to spend your spare time on vegetables then you had better choose the potato, for I know more about the potato than any man living," was the reply. He took the advice; perhaps he subthen you had better about the potato for I know more about the potato than any man living," was the reply. He took the advice; perhaps he sub-consciously accepted the challenge; and whatever truth may have been in the boast, there is no denying the evidence of this enormous volume that Dr. Salaman could now make it himself without much fear of contra-diction. The reader should be warned that Dr. Salaman's relentless partner-ship with the potato has resulted in no light matter. His publisher admits that the title may raise a surprised smile, and no reader without some reserves of humour is likely to run this course of resolute erudition without finding it exhausting as well as ex-haustive. Dr. Salaman tells the potato's story in some 300,000 words supported by a bibliography of 750 items and twenty-five pages of index. His pursuit of the root of misery leads him, among other curious by ways to an account of prior-lika Perturiant pottery and a discourse on what Victorian ladies concealed in their muffs; a short history of herbals; a collection of Elizabethan literary references to the potato (here, at their monotonous "incitement to Venus," the smile broadens); and an analysis of what the potato is called, and why, in every part of the world. It is easier to record the minor joys and rubs occasioned by the oddities of

, it Soth

etically stained istener !/6 net OW

Digit nicle

VE nuveator

t

and rubs occasioned by the oddities of this work than to indicate adequately the amplitude of its argument and the scope of its scholars¹⁶. The early morphology and pathology of the potato would naturally introduce him to its botanical origins and the history of its cultivation and its he attempted such a history he might limits. Not so Dr. Salaman, who realized early that there were two aspects of the potato which should spread throughout the work. But if he attempted such a history he might limits. Not so Dr. Salaman, who realized early that there were two aspects of the potato which should is that it yields a greater food value per arc et less cost than almost any on a small scale and that a milk-and-potato diet is enough to sustain life that the potato alone of the staple blishment of historial records. Its should therefore be possible to ascer-solud therefore be possible to ascer-solud therefore be possible to ascer-solud and one another when they began to eat the potato. Stepping the historian have apparently feared of a political radical, Dr. Salaman. and rubs occasioned by the oddities of this work than to indicate adequately of

In the prehistoric opening of Dr. Salaman's story immigrant man climbing the Andean uplands from the Amazonian forests found that he could maintain himself on those

birdly and Social Influence of the Point Moridge University Press. 50s.
barren heights by cultivating a wild tuber. In this way the potato spread under a native communistic conomy along the Andean heights from Colombia to Chile. It was absorbed along with its cultivators by the Incas, and finally the Spaniards and on their heels the English, coming to plunder and and withits cultivators by the Incas, the English, coming to plunder and an enslave, met the lumpish food and ate it without gusto. And so to the great question: whence, at what date and by whom was the potato first carried from America to Europe? This inflames the hunter in Dr. Salaman. He has a complicated geneticit's argument with Vavilov, whose heresy is that the ancestor of our potato was Chilean and not, as Dr. Salaman maintains, from much farther north. He ransacks the feecords of adventurers in the New World and gardeners, scholars and grandees in the Old. But the potato's transit was too stealthy for him. He gives it a certificate of arrival in Spain and Ireland before the end of the sixtenth century, but date and name of consigned the other of the sixtenth century, but date and name.

Schamen 10. C. Str. 103 220. C. Str. 103 (Jun flow economis (Jun flow economis

09

<text><text><text><text><text><text><text>

Deutsche Med. Wochenschupt. madaus, S. H 26, 27. Leepy 1938 madaus, S. madaus Jahresberuly. 1. 1937 Radebeul 38 molisch, H. Ueber der Emplurs Einer Piflanze auf die andere. Anz. Akad. d. wm Wren. 74. 1937 P. 348. C. 11 On sympety out potty betwee plans. Digitized by Hunt Institute for Botanical Documentation

Barly Cyclopadia 7 America Harbultar. ruhe 37 Southy and these Nichtan, S. I Ventito Dutry Sawery. Browne derver bullate gemmigere Sturtevan- EL Notes on Edille Plans. rep. V. 2. par 2. 1919 Boutergo toministos bur of kuni Cylu mue 1805 Digitized by HDalethstrit Epicar Botanical Documentar A.P. 2 Condelle. Trans. How. Loc. Low. Marila 15 Jenus Prassice (Celloge) Chon à jet . Van communy authore : Belgin, chon à fet a ujet pomos. à mille têle, chon à petres pomos. BRUSSERS SPROUTS

La fiéris Préces de l'histoire de la botanique. (autrustrip) Digitized by Hunt Institute for Botanical Documentation

Tidbury, G. E. The Clave Free 1949 Gave the undyones of Moluceds ... to Ean Inder autipdage . 1" Refo time 7 clave spices : Chinese books y Han period dats 220 BC - 206 BC 102. Nor Know the diver read Europe. Certas to prece importor is Alexandrie 176 AD Eilly for you shet if hists it mongly p5. Mit gui Zangeber unter eang 19° cents . 4 Dutch p13 walds dead of doves is a line was 12,000 tons per annum -

70

Digitized by Hunt Institute for Botanical Documentation

23 DECEMBER SUPPLEMENT FRIDAY TIMES THE

d

d.

1949

M. P. CHARLESWORTH: The Lost Province. Cardiff: University of Wales Press. 8s. 6d.

The study of Roman Britain is of perennial interest to all Englishmen with a taste for history and is subject to the constant refreshment of archaeological discovery. The freshness, however, of Dr. Charlesworth's treatment of the period comes not from new materials but from new lines of approach. He is concerned in this book (which reproduces his Gregynog Lectures for 1948) with the "worth of Britain "-its worth to imperial Rome and the worth of the Roman occupation to us. Why did the Romans decide to incorporate this remote island in their Empire ? Why did they retain it so long when other apparently more vital regions were abandoned? And after they had gone how much of their influence was retained through the stresses and changes of the Dark Ages to survive permanently in English history ?

Such questions have been asked many times before and have been very variously answered. It has been held that the province never greatly served the Empire, that her reputed econo-Digitized by Hunt Ins at the Roman occupation as a healthy human being by an attack of measles in childhood. Against such views Dr. Charlesworth advances what may be called the positive case at its maxi-mum pitch. For him Britain was economically "wealthy and alluring"; owing to a distorted geograph-ical conception, it was held to round off the north-west corner of the Empire; it furnished troops of high quality and indeed constituted a "strategical reserve." Nor can the value of the British fleet be dis-regarded. Moreover, Britain may

have protected the Roman mainland by " drawing on itself the first fire of raiders." And at this point Dr. Charlesworth inserts an impressive appraisal of the apparatus of the British coastal defences.

For the general reader the most interesting part of the book will be the concluding section, in which the author seeks to estimate what our country has gained from the Roman period. At its broadest the debt may be seen in the unified organization which laid down the lines of future territorial development, in communications and the siting of towns (though Dr. Charlesworth does not bring into account Rome's failures in this respect-the towns which died because they served only the lines of because they selved only the fact to conquest and had no roots in the countryside). But there are cultural debts, too. Dr. Charlesworth notes the "sturdy independence and individ-uality" of the Christians of the highland zone and suggests in passing that the Britons of the fifth century favoured Pelagianism just because it was not officially Roman. There are also more intimate debts: of flowers, vegetables and trees brought by the Romans which made themselves so much at home here that no barbarian devastations could dislodge them (among them are roses, violets, poppies, liles, pansies and the cherry); and of language. On this score we find a fascinating selection of little-recognized derivatives, as, for instance, those from *caupo* (which include Cheapside and Chipping Campden), and of peculiar debts of Welsh vocabulary to the Roman conqueror. Remembering a similar section in his Five Men, we could wish that Dr. Charlesworth may one day be able to pursue this aspect of Romanization in greater detail.

X



ioin an undergrad ndencies, but such illy checked during w, and in later ye h underlay his pay ause of General Fr cellow of All Soul-

and Sub-Warden from 1934 to

ROYAL EMBROIDERY ain fur + Elyabete Talber . Derecto at 6 collogue 1557, Ok farm a sthe EVENINGS AT THE ZOO TO KENSINGTON In he EMBROIDERY BY MARY QUEEN OF SCOTS mass TO THE EDITOR OF THE TIMES Sir,-On August 24 you referred to the the Art-Collections Fund to the Victoria ibert Museum of a set or marks rep are embroidered 30 small panels rep Albert Museum of a set of hangings or v. the Ead may, saying her needle, her needle, optimized and part needle, optimized and part needle, optimized and part needle, give over." give over. the Sept- 1923] Thelacter come for to Jour won hrom ? velvet background is " fall Elyden Shewsbury (Bers Hawroid . an this alter ha hunk? Show com for to introderis Ga . 20 montagues, by many of 5 mi 1 Bergfeld: Att, Brune, Hutton, Berwick-on-Tweed. Turia Just 12.53 - Catalii whe Phrewsbuy, Ben, Hardwecki & enternas i jenal see M. A. Taudin Enhordy. 1510, the I Dann Rebuten, Mo saw to cubrordies, " unter a Obless Saint ty days . This is confirm 4 Pate E have us lenses , flum an) all propert one, tree + Brog America in Plut D! 15 & motors var - hu culture & Bers, Hawtork, a cepy-look maxing paperter and " us may' allegaid ""unds" Le alter

This & Mey Muan + Elyabete Tallow a Oxburgh Hall, Nalolk. Derals at 6 collogge Copy lever Agnes Arben Jan 1957, De farm a oth Unwing thy p3 Athurch Hal sean Bedry fred faning sime EW BELCIAN ISSUE Canor och bedthand deted 16 45. needlewith family carting the to comblemente objete to Bigobettion family carten dote, in to comblemente objete to RCE CADETSHIP [Ladro Jourdan, M. Comphile ay 25. 1923 Y Luppl. not. Sept- 1923) The frances are. Thelete come for to your warhoon ? May Lice Sect - Elyster Shewstry (Bers Hawford . The presen some to interest after he that -The presen some an their alter huding that Documentat 12 the entenderis a sound There com for Cowdray, to sear Jo Montagues, by many of 5 Hen. Many Prowne & me Jo Mely filds. Att, Browne, the Lid Montague, Mary day, was a formule Catalia, + in relatus we dow Phrewsbuy, Bas, Hardweckis & " hortow M. A. Tourdain On many Aleant entroders is general see Englis Lembar Entronder. 1910 . Chip I These my curd to TA A 'y Tam Rebuter, dro sand to curlivedres " 1950, tong the recalled Obles Saint to days. This is confin by to Mushuk han 1 Plate to have I'd + god America wo leaves ' flower and I all Import on the "Juluet (\$16) conharts & mottors was " hu culture & Bens, Hawterk, a "copy-look maxing operate had", as many "allegaid" " unds" for all of



ORNTON AND "THE TEMPLE OF FLORA"

From a Correspondent

<text><text><text><text><text><text><text>

INE 1C FRIDAY PPLEMENT R Y LITER ----

00

364

A new edition of

THORNTON'S TEMPLE

OF FLORA OF FLOKA the unsold the plates. lication in the autumn by COLLINS most lan-il the plates.

lication in the autumn by

Thornton

<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

Digitized b

in in an in a submer LITERARY SUPPLEMENT FRIDAY JUNE 1 1951

WERT THORNTON AND "THE TEMPLE OF FLORA"

5

Digitized b

<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text>

THE TIMES LITERARY SUPPLEMENT FRIDAY MAY 25 1951

SEVENTEENTH-CENTURY NATURALIST

Bibliography. Faber and Faber.

During the nine years that have elapsed since Canon Raven's John Ray, Naturalist, first appeared, interest in Ray's life and works has been greatly quickened, and collectors have paid increasing attention to his books. Now Mr. Geoffrey Keynes comes forward with a definitive bibliography, and in so doing pays graceful and deserved tribute not only to Canon Raven for the stimulus of his book and for the detailed information contained in it about Ray's various works but also to Mr. Hugh Macdonald, who, having, unknown to Mr. Keynes, also started on a similar bibliography, retired in Mr. Keynes's and with characteristic favour, and with characteristic generosity placed his own notes at the other's disposal. Mr. Keynes modestly does not record in the present bibliography his own pre-liminary Handlist of John Ray's Works which he had privately printed in a few copies for Canon Raven in 1944, although it must undoubtedly have served as a useful basis for the larger work and contributed to its greater accuracy: it should, however, have its place in the Ray canon.

Mr. Keynes has listed Ray's works W under 23 main headings, with 108 separate editions and variants, and in his now familiar bio-bibliographical manner has prefaced each purely bibliographical description with a fascinating account of the growth, publication and consequent reception of each book, so that we never forget the author himself and are impressed, as Mr. Keynes has been, with his loyalty to friends, his modesty and his integrity. Ray's versatility has the advantage of attracting collectors of diverse interests, and as only a few of his books can be called really rare, representative collections can still be assembled. Although there are no great bibliographical problems to be unravelled, Mr. Keynes has succeeded in differentiating a number of editions and variants for the first time, and is always illuminating. In a short revew only a few points can be recorded. Of the Catalogus Plantarum Circa Cantabrigiam, 1660, 18 copies with the Cambridge imprint have been recorded, as against only four with the London one. Of books that Ray himself lists as having used for his Collection of English Proverbs, it is noteworthy that The Children's Dictionary, " a book well known formerly in schools" (Ray's own phrase), appears from the S.T.C. and Wing not to have survived in a single copy, while Ray's own Dictionariolum Trilingue is represented by an average of only two copies for each of its

GEOFFREY KEYNES: John Ray. A ledged, is adjudged " one of the fairest monuments that mark the progress of scientific history," and the Historia Plantarum "Ray's greatest work." Mr. Keynes, who writes of the latter, "In June, 1685, Robinson was evidently urging on Ray the publication of Proposals for the new work, but Ray cautiously resisted this," does not seem aware that such a Proposal was actually published in the form of a broadside in 1685, for the Guildhall Library possessed a copy which was unfortunately destroyed in the recent war. The Wisdom of God was Ray's most popular work: it reached a thirteenth edition by 1762, was reprinted six more times, and was plagiarized by Paley. The amusing story is told of the sumptuous production by the Royal Society of the De Historia Piscium, and of how it strained the resources of the society so much that several of its officers received their salaries in the form of 50 or more copies of a volume that had proved unsaleable. In his preface to Miscellaneous Discourses Ray excuses his haste in "huddling up and tum-bling out Books" by saying:

mpe

w

P

" Posthumous Pieces generally prove inferiour to those put out by the

Mr. Keynes has not sought to locate copies of Ray's books outside the libraries of the British Isles, but a glance at the uncorrected proofs of the still unpublished third volume of Wing bears out the general inference of rarity already indicated, and also reveals the very respectable holdings. of the Bibliothèque Nationale, thus testifying to Ray's reputation on the Continent. But an inquiry abroad might have located copies coloured by hand said to exist of the Paris reprint of the Synopsis Avium. The Bibliography has been well printed at the Oxford Press, and, although its greenish grey paper will not appeal to all, it is handsomely produced, and has reproductions of the more important title-pages and variants, and three collotypes, two of portraits of Rayan attractive pastel by William Faithorne, and a painting attributed to Mary Beale-and one of a page annotated by Ray of his printed Catalogus Plantarum Angliae.

Ray complains that the bookseller umentation concerned in his *Collection of English* Words was "so stingy and sordid as not to allow me copies for my p friends." Of this same curious hotchpotch Skeat, its later editor, pointed sto out its interest as a source of tech- ch nical terms used in Rav's day, while an Mr. Keynes draws attention to Ray's tiv role as an unregarded pioneer in set the reform of English spelling, in Willughby's Ornithologia, in which have Ray's major share is now acknow- star

Digitized by H

THE TIMES LITERARY SUPPLEMENT FRIDAY JANUARY 26 1951

A PIONEER OF PRINTING

Schoeffer of Gernsheim and Mainz. With a List of his Sur-viving Books and Broadsides. Rochester, New York: Leo Hart.

The literature on the history of the art of printing has become so voluminous and so scattered in a multitude of papers and publications, in periodicals and collections that an up-to-date monograph on any one of its early masters is welcome to our shelves. What printer could more suitably form the subject of such a study than Peter Schoeffer, the younger associate of Gutenberg and Fust ? Whatever share, if any, he may have had in the original vention, there can be no doubt that from 1460 onwards, and as sole proprietor of the press after his father-inlaw John Fust's death in 1466, Schoeffer was the first man to run a printing establishment as a commercial enterprise. Every step he took in carrying on his business necessarily made him a pioneer and a forerunner of technical and commercial practices observed by subsequent printers. That his example was sound is proved by the fact that, when he died in 1502 in the fulness of years, he was a man of wealth and position, leaving a prosperous and well-established business to the second of his four sons.

Digitized by

Dr. Lehmann-Haupt is right not to devote much space to the discussion of the initial steps of the invention or to the many discordant opinions of various " authorities " on Schoeffer's claim to an essential part in its development to full practicability. All such debating is pure guesswork ; we have no valid evidence of the respective shares of Gutenberg, Fust and Schoeffer in the invention. All we know is that the period of fruitless experimentation was protracted and expensive, and that by August, 1457, in the colophon of the magnificent Psalter, Schoeffer's name appears as a partner side by side with that of Fust. By 1455 Gutenberg had been eliminated. That Fust was financing the whole enterprise is certain; whether from that fact we must necessarily conclude that he cannot have been able to use his hands or brains as well is a matter of opinion. The 42-line Bible bears no name at all. Since the Gutenberg-Fust team has left us no indisputable evidence of any matured accomplishment and the Fust-Schoeffer team appears on the scene with the masterly achievement of the 1457 Psalter, it is open to argue any degree of merit one chooses for Schoeffer's practical contribution to the result.

These sterile debates are left aside and Dr. Lehmann-Haupt concentrates on the activities of Schoeffer during his long and successful career from 1457 to 1502. He does, however, lem of the technical tour de force of

HELLMUT LEHMANN-HAUPT: Peter the 1457 Psalter: the elaborate initials 1945 was stationed with the American printed in colours. It may be hoped that new enlightenment on this mystery will soon be received from Dr. I. Masson, of Leeds; here we are given an abstract in English of Wallau's theories as set out in a Gutenberg-Festschrift of 1900. A reference at least to the brief account of the matter (with two excellent reproductions) in J. E. Hodgkin's Rariora, 1902 (II, pp. 30-2) would have been apposite.

Before he embarked on his printing activities Schoeffer had been working as a scrivener of text-books in Paris University. A reproduction of the fine calligraphic colophon with which he signed an Aristotle in 1449 is given from an engraving made in 1760; for the book itself perished in 1871. Another specimen of his formal writing is given in fig. 6, reproduced from van der Linde's Gutenberg. It is somewhat unfortunate that below this entry of donation in red ink Dr. Lehmann-Haupt has left standing the receipt signed by Schoeffer in 1468 which he had himself reproduced as fig. 4, and which in van der Linde is found on the same plate. What is worse, he betrays in the facing text ("This statement is signed at the bottom in his usual everyday handwriting ") that he has not noticed the hybrid nature of his reproduction and has not been alarmed by the appearance of a receipt dated 1468 in a book printed in 1472.

In the chapter on Schoeffer's achievements as a book designer the limiting influence of the current manuscript books on the freedom of the printer to compose his page and its decoration is brilliantly set out without the author's falling into the common misconception that the first printers were " forging manuscripts.' Not only in form but also in subjectmatter and content the printer had to supply what the public required. If Schoeffer devoted his best efforts to the production of stately folios of Canon Law it may not have been due to a vivid interest in the subject acquired in his university days, as Dr. Lehmann-Haupt seems to think, but rather because he had had occasion to observe in Paris what high prices the Canonists were willing to pay for their text-books. The abrupt cessation of his activities in this field in 1479 finds its natural explanation in the appearance of the Venice and Basle editions of the Decretals, less sumptuous and undoubtedly much cheaper, with which Schoeffer would

The survey of the specialities favoured by Schoeffer as a publisher makes an interesting study. In fine liturgical printing the creator of the 1457 Psalter remained supreme 1457 Psalter remained supreme throughout his life. The versatility with which he turned to other difficult problems, such as the first of all Herbals, is duly brought out. Dr. Lehmann-Haupt, who for some time after half copies, are in private hands.

forces in Berlin, was able to examine the material assembled by the Kommission für den Gesamtkatalog der Wiegendrucke, and so could obtain an up-to-date list of Schoeffer's known an up-to-date not of Schoeter's known publications, which brings the total from the 114 recorded by Burger in his *Index*, to 253. The preponderant majority of these latter-day dis-coveries are, however, not "books" but broadsides found in the files of German archives. The great number of such small and ephemeral impressions reveals the rapid adoption of the new methods of multiplication by the chanceries, both ecclesiastical and secular, for bringing their enactments to the notice of the public. Other such pamphlets and single sheets of a less official character testify to the early emergence of the "news-sheet and the beginnings of journalism.

Dr Lehmann-Haupt's study assembles most of the known facts about Schoeffer and his press from a great variety of sources and publications, mostly, of course, German and therefore not everywhere accessible. He has rendered a most praiseworthy service in presenting the result of his researches in compact form, admirably printed and illustrated with excellent reproductions.

THE 42-LINE BIBLE

Antiquarian Bookman, the weekly magazine of the antiquarian book trade in the United States, has issued with its number dated November 18 a "Special Bible Supplement in honor of the 500th Birthday of the First Printing of the First Printed Book, the Gutenberg Bible." There are articles about Gutenberg, who is throughout stated to be the printer of the Bible which still commonly bears his name; and the reader is not burdened with any consideration of the theory, widely held by responsible incunabulists, that it was in fact printed by Fust and Schoeffer. There is a chronology of the Bible from 2000 B.C. to A.D. 1950, and an alphabetical list of interesting, significant or curious editions. Best of all, there is an up-to-date census of copies of the 42-line Bible, compiled by Mr. Edward Lazare: based on those of Schwenke (1923), De Ricci (1911), Reichner (1927), and H. L. Johnson (1932), but with several corrections besides those necessitated by changes of ownership. Of the 45 copies recorded here (one other was broken up by Gabriel Wells in 1921), 12 are or vellum and 33 on paper. Four of the vellum copies and 17 of the pape copies are perfect. Of the tota number, perfect and imperfect, 12 are stated to be in the United States, 11 in Germany, nine in Great Britain, four in France: there are two each in Italy and Spain, and single copies ir Austria, Denmark, Poland, Portuga and Switzerland. Two copies, and two

DE DOUT COLLECTION

History and Bibliography of Botanical Book Illustration

Die botanische Buchillustration

IHRE GESCHICHTE UND BIBLIOGRAPHIE

by

Dr. CLAUS NISSEN

Two volumes in 4to.

THIS WORK, written in German by the librarian of the Mainz City Library, is the first attempt to present a complete survey of the History and Bibliography of Botanical Illustration of all countries from the invention of printing down to the present day. Every librarian, book-collector, bookseller and botanist knows how difficult it is to collate old botanical books. There was until recently no reliable reference work which could be consulted to find out whether a work containing botanical plates was complete or defective, or to identify the artists and the publishers, or to distinguish between first and later ediaspects of old botanical works.

The author analyzes in the bibliographical volume of this work over 3,000 titles from many countries consisting not only of illustrated works, but also of illustrated textbooks and even important studies in periodicals. There are at the end added indexes of titles, artists and plant names.

The first volume of about 300 pages contains the History, the second volume the Bibliography. They will be issued in 4 to 5 parts, each part consisting of 160 pages, half of it History and the other half Bibliography, and published in intervals of 4 months. Price of each part of 160 pages is \$ 9.00, postfree delivery within the United States territory.



There cannot be any doubt that this work, the result of over fifteen years' hard work and intensive research, is to be a standard work of Botanical Science and an indispensable reference book for the librarian, collector and bookseller.

> The first part has been published Please mail your orders to:

HERBERT REICHNER 34 East 62nd Street · New York 21, N.Y.

PLEASE TURN OVER

Bull. metry. Mus. may 1950 2021 1=, E Dy, Anuslin Curuhi ? neen Earth Art. Day, F. & (1950) Metogestamian Manusups J Descardes. Bull Meluphe Museum J Art. Deds une copy 1 to MS 1 Dioresides for to Mashhad. shune, which structs believes to be 1 to 3: quarta 1 to 12: C. The melup. mus to one page 1 a 13: cart. M.S. (my chang "pressive- convential Mustarts an reporter) Digitized by Hunt Institute for Botanical Documentation

