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About the Institute

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

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

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THE UNRECOGNIZED HOOKE

By M. I. Batten

In the Guildhall Library there is a Diary of Robert Hooke's which covers a period of 11 years, from March, 1672, to May, 1683. With other papers it was purchased at the sale of the library at Moor Hall, Harlow, in 1891.

Dr. Hooke was one of the most eminent scientists of his day, but this Diary, the importance of which seems to have been overlooked, throws new light on his activities as an architect, and also on Sir Christopher Wren. A very large proportion of the entries concern the architectural activities of Hooke and Wren. That Hooke was associated with Wren not only in scientific experiments, but also in building. OCUMENTATION has never been realized. Daily, almost, there are references in the Diary to Wren and his work, including, among other things, the City churches, and to the progress of the buildings upon which Hooke was engaged independently. Each consulted the other about his architectural work, though it would seem that, whereas Wren employed Hooke to assist him the hater services. employed Hooke to assist him, the latter merely occasionally asked the advice of his more

Early in the eighteenth century the Diary had passed into the possession of Richard Waller, but not apparently until after he had written his Life of Hooke. It seems to have been unknown to all Hooke's other biographers, with the exception of Dr. R. T. Gunther, who refers to it in the volumes of Early Science in Oxford, to it in the volumes of party science in Octob, which deal with Dr. Hooke and were published in 1930. But from the death of Waller until the Guildhall Library purchased it the Diary was lost to students. It consists of 200 closely written folio pages.

illustrious friend.

AFTER THE FIRE

Robert Hooke was born at Freshwater, in the Isle of Wight, in 1635. At the age of 13, when his father died, leaving him £100, he took him-self off to lodge in Dr. Busby's house at West-minster, where he seems to have made a great impression. It should be noted that both Hooke and Wren came under the influence of Dr. Busby, Wren leaving Westminster in 1646, only two years before Hooke's admission. In 1653 Hooke went to Christ Church, Oxford. From then until the Fire of London he appears in history only as a scientist. After the Fire he drew up a plan for the rebuilding of the City, in consequence of which he was appointed one of the City surveyors, "by which," says Aubrey, in his "Biref Lives," "he hath gott a great estate." Unfortunately Hooke's plan has been lost, though from Waller's description of it it would appear, roughly speaking, to have been his father died, leaving him £100, he took him-

lost, though trom Walter's description of it it would appear, roughly speaking, to have been of the gridiron type.

Aubrey also tells us that Hooke built Bedlam, the Physicians' College, Montagu House, "the Piller on Fish-street-hill," and that he was "much made use of in designing buildings." In "Parentalia" we are told that immediately after the Fire Wren took "to his assistance his in-

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the Fire Wren took "to his assistance his ingenious and able associate Robert Hooke," and Elmes, in his memoirs of Sir Christopher Wren, also has many references to Hooke as Wren's assistant. But Hooke being one of the City surveyors the authors of both these books have taken it for granted that his assistance was mainly a matter of measuring the sites.

Aubrey's statement that Hooke and not Wren built the "Piller on Fish-street-hill" is arresting because it must be remembered that Aubrey-was an intimate friend of both. That Hooke had far more to do with the Monument than has so far been allowed becomes clear from his Diary. Throughout the whole time when the Monument was being discussed and built there are continual references to it, of which the following are interesting specimens. On October 19, 1673, is the entry "Perfected module of Piller." On September 21, 1675, "At fish-street-hill on the top of the column." On April 11, 1676, he was with Sir Christopher Wren "at the top of the Piller." On October 14 he notes, "scaffold," and on October 26, 1677, "at fish-street-piller. Directed corners." He was also very busy with the inscription, but at last, on June 17, 1678, he "saw Monument inscription now finished."

These entries, coupled with Hooke's autographed Survey of the Monument, which is reproduced in Dr. Gunther's book, make it appear that though Wren may have been the final authority who approved or vetoed proposals, there is probably more truth in Aubrey's statement than has hitherto been supposed. The extracts from the Orders of the City Lands Committee given in the Wren Society volume which deals with the Monument would seem to substantiate this.

TOURS WITH WREN

Nearly all the City churches are mentioned in the Diary, those Hooke visited, most frequently being St. Bene't Fink 2. St. Lawrence Jewry;
St. Magnus; St. Stephen, Walbrook; St. Michael Bassishaw; St. Anne and St. Agnes;
St. Martin, Ludgate. Sometimes Hooke went alone to a church, sometimes with Wren, as, for instance, on June 22, 1674, "with Sr Chr. Wren to St. Peter's and St. Clement's. Ordered pulling down St. Bartholomew's Tower." On July 12 he "set out the church in Mark Lane."
A typical church visiting day may be quoted from April, 1675; "Sr Chr. Wren and Mr. Woodroof here, to Dionis Back Church Woodroof here, to Dionis Back Church Buttolphs Walbrook Coleman Street St. Bartholomews. . . with Sr Chr. W to Pauls."
Saurday, April 29, 1676, has the note: "Agreed with Marshall about St. Bride's Church Tower."
May 2: "to Sir Chr Wren with Filch and Sear-borough agreed about Basingshaw Church."
February 13, 1678: "to Sir Chr. Wren past Plaisterer for St. Lawrence. Proportion of estimate money of St. Peter's Cornhill." April, 1680: "by water to Sir Ch. Wren. Advised him about St. Clement's Church."
The visits to St. Paul's are equally frequent.
On October 14, 1672. Hooke was "at Dr Wren's

1680: "by water to Sir Ch. Wren. Advised him about St. Clement's Church."

The visits to St. Paul's are equally frequent. On October 14, 1672, Hooke was "at Dr Wren's dired there saw big neat new furnished Rooms with him at Paules"; while on November 5 he "saw module of St. Pauls approved by the King at Pauls." February 8, 1673, "at Dr Wrens told me the designe of burying vaults under Pauls and of the addition of Library Body and porticos at the west." In June, 1674, he notes: "Pauls tabernacle ordered"; and in August he saw the Pauls "module finished painting and gilding." A few days later he was at Sir Christopher Wren's and "spoke for Filch to be Bricklayer to St Pauls." June, 1675, contains the entry: "he (Wren) promised Filch at Paules he was making use of my principle about arches and altered his module by it." On September 10, 1678. Hooke "Received a note from Tillotson to Direct masons at Pauls, the Bishop of Londons kindness." A year later comes

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P. 385. Oppendix

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A COPY OF MILTON'S "EIKONOKLASTES"-I

By D. S. ROBERTSON

In Vol. XVIII of the Columbia Carbery inscription, and ending with supposed to be the hand-writing of edition of the works of John Milton the words: "The copy was presented (1938), p. 270, under the heading April 1756 by R. Baron to Thomas tion Copies,"-is listed;

13. From a copy of Eikonoklastes, pre-

For my very good Frend Mr William Thomas at Laberne, to be presented to the 1720 till 1774. Earle of Carbery.

Dr. J. Milton French, one of the reprint-Baron says that "the last editors of this Columbia volume, had summer "he" discovered "the second already mentioned this copy in his edition, previously overlooked, but article "The Autographs of John gives no further details, except that bery." He gives references to of the elder John Disney (1746-1816), Lowndes, the Bibliotheca Heberiana, whose bookplate it contains: he and Masson's Life of Milton (iv. 246 evidently gave it its present binding not from direct inspection, but from most of Thomas Hollis's property, a description in the 111th Catalogue and presumably he got this book with of Bernard Halliday, 1929 (item 99). the rest. On Disney's bookplate is a Mr. Halliday has had the kindness to note, certainly by Richard Heber: send me an extract of this description taken from the file copy of his

Carbery copy, has lately come into my hands, and deserves a fuller accountthan has yet been given. Apart from the Carbery inscription, to which I shall return, its history can be traced Heber's sale it fetched £1 11s, 6d. In almost continuously since 1755. The March, 1928, the copy was sold by second edition of Eikonoklastes was Sotheby as part of the library of first reprinted in 1756 by Richard Baron, and this is the copy which he used, as the following entry shows:

From this copy, which I discovered June 1755, was given, under my care, a new impression in Quarto: and this Book I presented to my ever honoured & from Thomas Thorp of Guildford, esteemed friend Thomas Hollis of Lin- and Mr. Hugh N. Thorp, who kindly coln's Inn, Esqr, April 14, 1756. R. BARON.

The word "given" is written in an erasure, perhaps of the word "printed." This entry is opposite the title-page of the treatise, on white paper reinforcing the inner face of what seems to be the original brownish paper wrapper of the volume: the same externally brownish paper, simi-larly reinforced, appears also after the last printed page, and there are All four lines may well be in the same further end-papers outside the band but the last two are written in

Book Inscriptions From Presenta- Hollis." Comparison with a marginal note on page 89 (" observe T.H.") shows that the writing on this card is that of Thomas Hollis, the well known "republican," who lived from

In the editor's preface to the 1756

" Dr. Disney's sale Apr. 1817. 3, 3, 0." The Carbery copy reappears, as of an amanuensis. Lot No. 2354, in the Bibliotheca This copy, which I shall call the Heberiana (Part V, 1835, p. 169); the description there given is the ultimate source of Masson's footnote, and Bohn's Lowndes (Vol. II, 1859, p. 1566) adds the information that at Lieutenant - Colonel Sir George Holford (Lot 648), and is described as "from the collection of Lord Vernon." I have already mentioned its appearance in 1929 in Bernard Halliday's catalogue. I bought it gave me the Sotheby reference, tells me that he himself bought it privately from a lady.

> The Carbery inscription is written on the front outer face of the brownish paper wrapper already described and runs as follows: -

for my very good frend me William Thomas at Laberne To be presented a the right has the Earle of Carpery Mr Milton. The hand of the Carbery inscription

does not seem to be Milton's, but it is obviously of the seventeenth century.

William Thomas (1613-89) ordained priest in 1634, had in 1644 been ejected from the living of Laugharne with Llansadwen in Carmarthenshire, and from then till 1660, when he was restored to his livings, he supported himself and his family by keeping a private school at Laugharne. In 1665 he became Milton " in E.L.H. (iv, 1937, p. 311). he afterwards found "that this Edition Dean of Worcester, in 1677 Bishop of He there quotes only the second part was not unknown to some others, St. David's, and in 1683 Bishop of of the inscription, but with slightly tho' from low and base motives Worcester. The second Earl of fuller wording, "To be presented to secreted from the Public." The Carbery, Richard Vaughan, born the Right Hon^{Net} the Earle of Car- volume next appears in the possession about 1600 succeeded to the early about 1600, succeeded to the earldom in 1634, and died in 1686. According to Nash's Worcestershire and Masson's Life of Milton (iv. 246) evidently gave it its present binding (Vol. II., p. 159). William Thomas n. 24, mentions some of the copy's of blue morocca, which bears, with remained at Laugharine hill 1670. recorded owners, and adds; "Its pre-other ornament has eigher on the but such an inscription could hardly sent location is unknown." The state—front and his crest on the back. In have been written after 1660, when ment in the Columbia edition is 1804 Disney inherited, through Eikonoklastes was, burnt by the derived, as a note on p. 549 shows. Thomas Brand, later Brand Hollis, hangman. Dr. French may be right in assuming that it was composed by Milton at the time of publication, but he presented a copy to the Bodleian as late as 1656. His failing eyesight explains in any case the use

> The inscription, if it is Milton's, is of some biographical and historical interest. So far as I know, there is no other evidence of Milton's friendship with William Thomas, who does not figure in the index to Masson's Life or in that of the Columbia Milton, or, as Dr. French remarks, with Lord Carbery, though in 1652 Carbery married, as his third wife, Lady Alice Egerton, the pupil of Henry Lawes, who in 1634 had played the Lady in the first production of Comus, It appears that Carbery, though early in the Civil War a prominent Royalist general, and again in favour at the Restoration, had before 1650 made his peace with the Parliament, but it is difficult to think that either Thomas or Carbery would welcome the gift of this virulent attack on the dead King. There is, indeed, no proof that the book actually reached either of them, but if, as seems likely, it did pass through their hands, they at least treated it with respect, for its condition is perfect.

In a second article I shall discuss the evidence afforded by pen-

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for my very good frend me William Thomas at Laberne. To be presented to the right har ble

these end-papers, at the beginning, is of time. Below is a note, I think in of the volume, transcribing in full the Hollis's transcript): "The above is

There is, indeed, no proof that the book actually reached either of them, but if, as seems likely, it did pass through their hands, they at least treated it with respect, for its condition is perfect.

In a second article I shall discuss the evidence afforded by penand-ink corrections in the Carbery and other copies for the establishment of the text of the treatise.

(To be continued)

LATIN MANUSCRIPTS OF FRANCE

E. A. Lowe (Editor); Codices Latini cannot help feeling that he might have graphy, on principle, again confines Antiquiores A Palaeographical been given more. "Certain manuitself to the palaeographical aspects, so to the Ninth Century. Part V. France: Paris. Oxford: Clarendon Press. London: Cumberlege, 100s.

The preceding volumes of this monumental work have been noticed in these columns and it is therefore unability for every student of pre-Carolingian palaeography and the perfection of its typography and illustration. All this, indeed, can be taken for granted in a publication of which Professor E. A. Lowe, of Munich. Oxford and Princeton is the begetter and Mr. Charles Batev the technical executant. The present volume is devoted to the treasures of the Paris libraries, which, of course, primarily means the Bibliotheque Nationale. although St. Genevieve, the Arsenal, the Louvre and the Papyrological Institute of the Sorbonne have contributed a number of fess well-known but by no means negligible specimens.

The palaeographical problems presented by each item are treated with the customary wealth of detailed observation which renders Professor Lowe's account the final word in virtually every case. However, the very his county's domestic architecture, its finality in matters of palaeographywhich includes provenance and and so on, at first hand. These pages similar matters of librarianshipraises the question whether the author or into the museums, rather than to might not, with little extra trouble. have given his readers still greater cause for gratitude. Professor Lowe local domestic architecture Dr. W. A. would, no doubt, be the first to Singleton has a useful paper on the acknowledge that palaeography (like characteristics of Cheshire houses and patriotism) is not enough; and that the materials which have influenced the quest for the precise delimitations them; a county so rich in timbered of the b-type, az-type and the rest dwellings might naturally be expected must not obscure the fact that, after to arouse in those who live there a all, the contents of the manuscripts are special interest in domestic architecmore important than their outward ture, and Dr. Singleton's article (to

and 671), especially as the biblio- Testament manuscripts.

Guide to Latin Manuscripts Prior scripts," Professor Lowe says in the that not even the new Gregory edition introduction to the present volume, by [B. Krusch and] W. Levison is by their very existence are pages mentioned. How valuable would be of history," and he goes on to give a an indication of Professor Lowe's fascinating example of a codex (Lat.) opinion on the vexed problem of the 10837) the importance of which rests Regula Magistri, beyond the tantalizsolely on a marginal note in the hand ing short statement that it "has of St. Willibrord. Explanatory and aroused much discussion in recent necessary to dwell once more on its amplifying comments of this kind are times." If this complaint should seem too few. How belpful, for instance, ungracious, the author may be would have been some historical and reminded of a passage in St. Luke's philological notes on the two manu- Gospel (xii, 48)-which is not shown scripts of Gregory of Tours (nos. 670 in any of the facsimiles of New

REGIONAL HISTORY

The Cheshire Historian: No. I, first issue. It is followed by an intromunity Cquacil. 2s.

ploration of regional history find a Andrew Tait, his limited space has many of these are indicated in the first of an intended annual series of booklets produced by the History Community Council, The emphasis is very decidedly on field work; not only in its exact sense of digging up the past but also in the sense that the reader is encouraged to go and study traditional industries, its painted glass will send him out into the countryside. the research library.

For the beginner in the study of the reader of the Codices Antiquiores subject) has the leading place in this pole at Strawberry Hill.

Spring, 1951. Cheshire Rural Com- duction to the treasures of the Lady Lever Art Gallery at Port Sunlight Those who are altracled to the ex. by the former assistant curator, Mr. wide choice of paths to follow, and obliged the author to devote himself chiefly to the gallery's great collection of pictures, but he indicates also the wealth of furniture, Wedgwood Committee of the Cheshire Rural pottery, masonic jewels and other objects to be studied there. Two other papers are concerned with archaeological field work, another with the Cheshire clay pipe industry, and others with the county's stained glass and with the civic regalia of Chester. The series of publications now begunshould do much to interest Cheshire people in their county's history and bring fresh enthusiasm to the History Committee's work. It is a pity that the few illustrations have had to be gathered in a separate section, some of them far removed from the articles to which they relate.

In the report on the sale of Part II of Mr. Lucius Wilmerding's library, published in the issue of April 20, it incorrectly stated that the copy of Bosio's Istoria della Sacra Religione, 1594, with the arms of Henry of Navarre, did not appearance. It is in his respect that which he adds a list of books on the derive from the library of Horace WalHated challenge (1 Balet, 63;
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A COPY OF MILTON'S "EIKONOKLASTES"-II

By D. S. ROBERTSON

Studies (Vol. VII, 1931, p. 72) and in of a copy in Yale University Library spread." A has "overspread"; all The Manuscript of Milton's Paradise which he compared with one in New Lost Book I (p. xlii n. 2), published in York Public Library. the same year, Miss Helen Darbishire called attention to the occurrence in follows: seven different copies of the first edition of Areopagitica and in five "in" is duplicated; the first "in" different copies of the second edition is crossed out in CULILEX, but enemy durst have don him that disof The Doctrine and Discipline of Divorce of an identical series of contemporary pen-and-ink correc- indeed it was a facil conscience? and absent from A. In C, alone of my tions, which in her judgment are could dissemble." The indefensible copies, the necessary question-mark neither in Milton's hand nor confined question-mark is crossed out in is substituted for the full-stop after to presentation copies. Her note in CULIEX, but not in L 2 O. A has "himself." B has a question-mark, R.E.S. led to similar notes about a comma; B prints a comma, but H a full-stop. pen-and-ink corrections in other early H prints the question-mark. printed books by A. K. McIlwraith and W. W. Greg, but no one seems to innovasions," Corrected to "innohave applied this evidence systematically to the establishment of the true EX but not CO. text of any of Milton's prose works,

almost identical series in all the other copies which I have examined, namely that in the University Library, Cam-Museum, that in Emmanuel College, Cambridge, and that in Christ's X, but not LLEO: B prints "cases," College, Cambridge. There is, how- H"case." ever, no trace of them in the presenta-Darbishire.

1650 " and below " Ex dono authoris.' Both inscriptions seem to be in the recipient's hand : Dr. French's identification of him with John Durie own, or the Churches Right." A (E.L.H. iv 1937, p. 311) is impossible. Carbery copy is unusual, perhaps unique, in preserving its original which have lost their wrappers, may

at least, of these pen-and-ink correc- certainly in U, "foolish" is altered in all my copies, but added by hand in tions in Eikonoklastes express the to "fool." In fact this effect is due to all except O. author's choice, and this conclusion is the correction of "or" to "and " on confirmed by the fact that almost all the previous page showing through the Parliament in that point were are implied by John Durie's French the paper. I should not record it, but willing to have don, when first after the

In a note in The Review of English (p. 324) was set up from a photostat

(1) Preface, p. A 3 r. 1, 5. The word in spelling. not in O.

vations" (the reading of A) U L1 L2 in C U L1 L2 E X but not O. D has

(4) Ch. VI. p. 51 1 23: " Was it not The Carbery copy of the second the sharme of his manifolderrours. 2" (16) Ch. XI, p. 110, 1, 8; could edition of Eikonaklustes contains at A omits "not", "not " is printed swell up to Collegida to think immediately similar run of contemporary pen-and- but crossed out in C U L1 L2 E X, a God." A omits the meaningless ink corrections, and I have found an untouched in O. D has "étoit-ce la honre." B omits "not" but H prints is present but crossed out in C U L1,

(5) Ch. VI, p. 52, l. 26: " in case of

(6) Ch. VI, p. 57, l. 14: "If then "are." B prints "are," H "is." tion copy in the Bodleian, which was the King be only set up to execute the kindly examined for me by Miss Law, which is the highest of his office: would in some reason be thir part." the titlepage is written "G. Duzy H a semicolon, perhaps from the misreading of an unobserved pen-andink correction.

(7) Ch. VI, p. 61, J. 17: " what his has " or ": " or " corrected to " and " "et." B prints "and," H "or."

than a Christian king." This is a curious must be the reading of the Yale copy. have had presentation inscriptions on case. A has "foolish," and so have all my copies of the second edition, but necessary word "and" after "Prayers" Internal evidence proves that most, I mistakenly noted that in C, and less (present in A) is omitted in printing rangiois sur la seconde et plus ample looks as if Durie was misled as I was, unknown." A has "is unknown"

(13) Ch X, p. 89, l. 14: "overmy copies have "overspread," but in U LI E X, though not in C L2 O, The pen-and-ink corrections are as it has been altered to "overspread." a striking example of Milton's interest

(14) Ch. X, p. 89, I. penult, : " What ot in O.

thonour and affront which he did

(2) Ch. II, p. 19, 1, 21: "But that therin to himself." The passage is

(15) Ch. X, p. 95, I. 16: "liberty of (3) Ch. IV, p. 35, 1, 27: "Papistical persons." The passage is absent from A : " persons " is altered to " person ' "des personnes." B prints "person," H " persons."

" to " before " Caligula": this " to " but omitted in printing in L2 E X O. (17) Ch. XII, p. 120, J. 26: "so bridge, the two copies in the British so high concernment." A has "cases": long as Magistracy and Warr is not "case" altered to "cases" C U L2 laid down under the Gospel." A has "is" and so have all my copies, but in C alone " is " has been altered to

(18) Ch. XIII, p. 125, 1. 26: "it he ought no more. . . . " A has a The passage is absent from A: One of those which I have seen, the comma after "office": the colon is "some" is crossed out in CUL2EX, Grenville copy in the British Museum, altered to a comma in C U L2 X but but not in L1 O. D has "avec is also a presentation copy, for on not in L1 E O. B prints a comma, raison." B omits "some" but H prints it.

(19) Ch. XIII p. 128 l. ult.: This is interesting only because it illustrates the various states of the printed copies. The words " a furious inroad of bloody Bishops" are correctly printed (as in It should be pointed out that the CULIL2EX but not O. D has A) in LIO, but in CUL2EX have become a muddle of letters, which in (8) Ch. VI, p. 62, l. 17: "the C and E has been corrected by hand wrapper, and that some other copies, resolution may more befit a foolish H gives the muddle in a note, so it

(20) Ch. XVI p. 144 l. 7: The

(21) Ch. XVIII p. 158 l. 17: " What applicant will be required to past a edition et revûe par l'Auteur." Richard but "fool" is attractive in itself, and and so have C L2, but U L1 E X O

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found in the Carbery copy, and they have thus found their way into the old vulgate, most familiar from J. A. St. John's Bohn edition. Dr. William Hallen, however, the editor of Eikonoklastes in the Columbia Milton (V, 1932), ignores both the pen-andink corrections and the evidence of Durie, with the curious result that this standard edition is, except for its retention of Milton's spelling, notably inferior to the textus receptus which it has driven into the shade. I do not know whether Hallen's Yale and New York copies have any pen-and-ink corrections: he gives no hint that they have.

The lack of pen-and-ink corrections even of obvious blunders in the Bodleian Eikonoklastes is surprising, especially since, as I have said, it is a the following inscription:

Jun. XI CID IDC EVI

correction by the printers during the to appeach them for so consenting, correction by the printers during the production of the edition and a few errors are altered by hand in some phrase "consenting" is altered to copies, but put right in printing in "protesting" in C U Ll 1.2 E X. I first list my authorities, with the symbols used.

four copies, but they never differ significantly where I quote them. I use where "them" is the House of the symbol A for them all.

1650. (1) The Carbery copy: C. (2) requires the change of "consenting' The Camb. Univ. Lib. copy (Bb*. 9,47); to "protesting." B missed this U. (3) The Grenville copy in the Brit. correction, or more likely rejected it, (330,4,86) : E. (6) The Christ's College printed till now. copy (Cc.4.1): X. (7) The Bodleian

tions in Eukonokiasies express the to "fool." In fact this effect is due to all except O. author's choice, and this conclusion is the correction of "or" to " and " on confirmed by the fact that almost all the previous page showing through are implied by John Durie's French the paper. I should not record it, but translation (London, 1652), described on its title-page as "Traduite de l'Anglois sir la sconde et plus ample looks as il Dutie was misled as 1 was. édition et revue par l'Auteur." Richard but " fool " is atpactive in itself, and Baron tacitly adopted almost all the it seems just possible that Milton have "is not unknown," but with pen-and-ink corrections which he accepted this accidental change as an "not" crossed out except in O.

> befall'n to Nations." A has "to," crossed out in C. B omits "to," slip. but H prints it.

"former," and this correction is made spelling and pronunciation. in C U L1 L2 E X, but not in O.

important passage needs a rather long quotation. "To the passing of those Typesetting corrected by hang in some Bills against Bishops, how is it likely of my copies, e.g., on p. 63 ll.4, 5 and presentation copy. It has on the verso that the House of Peers gave so hardly p. 164 1.1, also the incorrect or inverted of the blank page next to the title-page thir consent, which they gave so easily before to the attaching them of Lib. Bibl. Bodleianae ex dono Authoris High Treason, 12 at once, onely for protesting that the Parlament illustrate the various states of the Applications, codaged "County Library" and Applications of the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Secretary for Education, County Hall, Trues, Barlow, Bodley's Librarian, 1652–60, together than the Partament illustrate the printed text.

From all the Fartament of the Partament illustrate the printed text.

From all the Fartament of the Partament illustrate the County and the Partament illustrate the printed text. To prove the importance of the Order, no Treason; and so that I have observed. There was some just construction either of Injustice especially when they are confirmed by leur Protestation," Careful inspection Milton. ymbols used. shows that "protesting" must be (I) The first edition, 1649: I used right. In A, Milton wrote "either of injustice in them for so consenting," Peers: in his revision "them"

(12) Ch IX, p. 84, l. 13: "And that the King who of Princely grace." (III) J. Durie's French translation, The passage is absent from A: "his" (IV) Later editions. (1) R. Baron, C U Ll L2 E X, but not O. D has in the printing-house. edition, V) 1932: H. Hallen's text Princely," H " Princely."

(21) Ch. XVIII p. 158 l. 17: " What

the Parliament in that point were willing to have don, when first after the Warr begun, they Petion'd him at Colebraok to voutsafe a Treaty, is unknown." A has "is unknown." and so have C L2, but U L1 E X O improvement and told Durie to use it. D has "On ne sait point." H prints (9) Ch. VII, p. 64, l. 18: "how "unknown" without a note, so it great mischeif and dishonour hath must be the reading of the Yale copy, but B surprisingly prints "not and so have all my copies, but it is unknown," probably by an easy

(22) Ch. XXII p. 178 l. 20: "an (10) Ch. VIII, p. 67, 1. 2; "who hiteling Army." A has "a"; all my had already made som attempts, & copies have "an," but it is corrected the latter of them under a disguise, to to "a" in C U LI X. B prints surprise that place." The passage is "a," H "an." This is another absent from A. The sense requires interesting proof of Milton's care for

(23) Ch. XXVII p. 211 1, 16: D has "le premier." B prints "hypocriticall." The passage is "former," H "latter," but with a absent from A: in C, alone of my note "probably should read former." copies, the second "1" seems to be (11) Ch. 1X, p. 82, 1, 18: This crossed out.

I ignore a few obvious slips of printing of some page numbers in some copies, which, as they have not been touched by hand, serve only to

From all this it seems clear that any future editor of Eikonoklastes must carefully compare as many copies of Milton had for several years been Protestation being meant and intended, the 1650 edition as possible, and should not hesitate to admit to the text at least those pen and ink corrections corrections I now list those which House it self will become liable to a which are found in several copies. Durie's translation. Miss Darbishire's notes on the pen-and-ink corrections in Areopagitica and The Doctrine and Discipline of Divorce suggest that the others. There is no evidence in any but not O, and D has "ou d'Injustice same principle might profitably be of the copies of a printed Errata list, pour les avoir accusez à cause de applied to other prose works of

Since this was written I have seen = a note by Dr. James Craigie in The Scottish Historical Review, XXX, 1951, pp. 107 ff., which calls attention (II) Copies of the second edition, becomes the 12 bishops, and this to a closely similar series of identical pen-and-ink corrections in six copies of King James's Poeticall Exercises at Vacant Houres, 1591. R. P. Gillies, Mus. (G.11718): L1. (4) The other and H prints "consenting," so that who used one of these copies for his copy in the Brit, Mus. (599,c.18): L2. except in Durie's French the true reprint of 1818, silently adopted the (5) The Emmanuel College copy reading has probably never been corrections, just as Baron did those of Eikonoklastes; Gillies's copy happened to have belonged to Ben Jonson, to whose hand he attributed the corrections, but Dr. Craigie con-1652 (the Camb. Un. Lib. copy): D. is inserted before "Princely" in siders that they must have been made

1756: B. (2) W. Hallen (Columbia "de sa grace Roialle." B prints "his (Concluded, The first article appeared

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SEPTEMBER 25 1941

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"OLD AND TRUE"-DCXXII BOOK

Comenius in England

Jan Amos Komensky (Comenius), the great Czech philosopher and writer on education, author of the "Janua Linguarum," "Didactica Magna," and other books, paid a visit to England in 1641. His resolute internationalism and his plan of a "Pansophic College" for cooperative scientific research were among the influences leading to the formation of the Royal Society, which, in its first form, the Invisible College, began its meetings in 1649. Unfortunately the civil war, and his failure to find in any other country a patron able and willing to carry out his schemes, postponed the realization of his ideas, which he never lived to see.

To commemorate the tercentenary of this visit a meeting will be held in the

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Senate House of Cambridge University on Eriday, October 24, at which President Benesh will fatk of "Comenius's plans for Peace Leagues and his place in history as a great European"; M. Jan Masaryk of "Comenius as an educational pioneer Professor J. Desmond Bernal of "Comenius's visit to England and the foundation of the Royal Society"; and Professor Ernest Barker of "The debt of Europe to Comenius and to Czecho-slovakia." These, together with contributions from other distinguished scholars, will subsequently appear in the form of a small commemoration volume. Official representatives will, it is expected, be present on behalf of the Embassies and Governments of Czechoslovakia, the U.S.S.R., Poland and Yugoslavia; the Board of Education, the Royal Society, the British Council, the Moravian Church (of which Comenius was a bishop) and other bodies.

The Tercentenary Committee consists of the Vice-Chancellor, Mr. Butterfield, Professor Haloun, Sir W. Dampier, Professor Owst, Mr. Downs and Dr. Needham, to the last-named of whom, at Caius College, any communications regarding the tercentenary should be addressed. cumentation

(see also next page)



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WILLIAM CURTIS, F.L.S.,

1746-1799

BOTANIST ENTOMOLOGIST

With some Notes on his Son-in-Law SAMUEL CURTIS, F.L.S.

By W. HUGH CURTIS

Joint Hon. Curator The Curtis Museum, Alton, Hants.

Extract from Foreword:

'What follows has been written in the small room where William Curtis learned to compound pills and ointments and dispense drugs when he became apprenticed to his grandfather.'

WARREN AND SON LTD.
THE WYKEHAM PRESS, WINCHESTER

FROM LIST OF CONTENTS

1779

The London Botanic Garden opens January 1st—Thomas Woodward anxious to promote Curtis's garden—many respectable subscribers—' how much amusement you can afford for two guineas'—breakfast at the garden—James Lee—Dr. Goodenough sends plants from Weymouth—Mr. Wenman a pupil.

1780.

Garden for British plants at Norwich—James Crowe the life of the Association (Norwich)—Poa trivialis and pratensis—Curtis's promised catalogue—J. Crowe travels 100 miles for Statice reticulata —Wm. Sole of Bath—Cardamine benefits the Duke of Gloster—Wavell still at 51 Gracechurch Street—Duchess of Portland's recipe for Pomade Divine—death of Dr. Fothergill—electricity in medical cases—Fl: Lond: Nos. 29-32 give much pleasure—Curtis at 6 Talbot Court.

1781.

Curtis's resources drained—appeal to Lord Bute—attack of rheumatism—designs a beer jug—Mr. Banks's herbarium—Hon. Daines Barrington—the garden at Charlton (Kent)—Duchess of Portland and Jarva of the Holly-blue—Mr. Busick Harwood—Elliot forestalls Dr. Lettyom in Life of Dr. Fothergill—the Birkbecks of Settle.

1782.

Ravages of the Brown-tail Moth—January 13, last letter to 6 Talbot Court—Lichfield Society publication—Mr. Crowe amongst the Fungi—Carex depauperata—Expedition to Settle—Duchess of Portland sends rare plants.

1783.

Catalogue of plants published—Fools Parsley found to be poisonous

—Unripe blackberries a cure for stone and gravel—Sir Joseph
Banks sends seeds from Lincolnshire.

1784.

Dr. J. C. Lettsom considers it a National honour to assist Curtis— Entomology at Coombe Wood.

1785

Dr. Goodenough visits Littlehampton and Arundel—sends Curtis an oyster-catcher and a sanderling—he shoots a screech owl—takes Curtis to Charlton in a chaise—The Society for Promoting Natural History—Curtis appointed to Botanical Committee.

1786

East Coast expedition—Malden—Dr. Goodenough to Harwich—Curtis and Edwards to Ramsey and Ely—mention of another expedition to Mersey Island—interest in Oyster catching—' Decades of Medicinal Plants' a failure.

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THE TIMES FRIDAY JANUARY 11 1946



The portrait of William Curtis, by Wright, in the possession of the Royal Horticultural Society. He was born at Alton, where a special exhibition is being held.

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A FAMOUS NATURALIST

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The bicentenary of the birth of William Curtis, author of Flora Londinensis and founder of the Botanical Magazine, is being commemorated this week-end. He was buried in the churchyard of St. Mary's, Battersea, and our photograph shows his grave between the two shrubs in the centre of the picture. The stone is to be replaced by a new one.



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Nehemiah Grew: a correction.

(Agnes Arber)

In a paper last year on Nehemiah Grew and Marcello Malpighi

(Proc. Linn. Soc., Session 153, pp. 218-38) I drew attention to a
mommment to Mary Grew in Christ Church, Newgate Street, and pointed
out that she must have been Nehemiah Grew's first wife, but that this
marriage did not appear to have been recorded previously, the pict.

Nat. Biog. referring to one marriage only, which was, in fact, his
second. Mrs Arundell Esdaile has since drawn my attention to an
article of hers in The Walpole Society, vol. xv, 1927, pp. 21-45,
dealing with John Bushnell, the sculptor, in which she notes the
existence of Grew's first marriage, describes his first wife's
monument, and gives an admirable reproduction of it, with the surmounting bust (pl.xii,c). Mrs Esdaile suggests that it was perhaps
that the commissioning acquaintance with Samuel Pepys, which led the commissioning

Bushnell to do the work, for this sculptor had already executed a similar memorial to Mrs Pepys. This monument is reproduced in Mrs Esdaile's work, side by side with that of Mary Grew; the bust fly doctar of Mrs Pepys shows that Bushnell had a strong feeling for facion character, so it seems likely that Mary Grew's more regular features are realistic and not merely conventional. It is to be hoped that after the war the broken bust may be restored and returned and returned to its place above the tablet.

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SATURDAY JANUARY 5 1946

PRICE 3p



"Partridge Shooting," from an oil painting by Samuel Alken, reproduced in "Sporting Pictures of England,"

THE NEW WORLD OF ROBERT HOOKE

T is the great prerogative of Mankind above other Creatures, that we are not only able to behold the works of Nature, barely to sustein our lives by them, but have so the power of considering, comparing, tering and assisting them to various tases. altering and assisting them to various uses. And as this is the peculiar priviledge of human Nature in general, so is it capable of being so far advanced by the help of Art and Experience as to make some Men excel others in their Observations and Deductions, almost as much as they do Beasts. And by the addition of artificial Instruments and Methods, there or artheral Instruments and Methods, there may be a reparation for the wilful and super-sitious deserting the Prescripts and Rules of Nature, whereby every man is very subject to stip into all sorts of errors."—Robert Hooke, "Micrographia," 1665.

"Micrographia," 1665.

Of our two ancient universities, Cambridge is the more often thought of in connexion with the sciences. This comes primarily from Newton's influence; yet Oxford was the unquestioned nurse of the sciences as she it was that gave the first home to that "Invisible College" which grew into the Royal Society. Dr. R. T. Gunther spent many years expounding the activities of this early school. Not least of his services is the last work that he lived to print, a facsimile of the "Micrographia" of Robert Hooke (#85-1703)." This beautiful book is rare in itself and the more hard to come by since it is a bibliophile's prize. Until Dr. Gunther's beneficent intervention it could be found in few of the humbler libraries of those who can best appreciate its revelations. We could wish that he had adde a running commentary on them. But since neither he nor anyone else has done so, it is not inappropriate now, two hundred and cighty-years after its appearance, to review the book. In Hooke's "Micrographia" there was for the first time brought into full view a world on ew and strange that previous generations had not even dreamed of it. Unlike the "Eusty Senses to Oxforeo, By R. T. GUNDHER, Ver. V. Micrographia." Oxford (Primted for the Subscribers by the Oxford University Press), 1945, £2 2s.

boundless world of the heavens, that of the boundless world of the heavens, that of the minutely small had had no prophets. We have heard not a little of Copernicus and Bruno, Tycho and Galileo, Kepler and Newton, of their revolutions that disturbed theology, of the dethronement of Aristotle and Aquinas, and of determinism's long philosophic reign. All this came about as Hooke

wrote, of the care taken (by certain men) in respect of the Senses, as surplying of their infirmations with Instrument and a sit were, the adding the strength of the natural. This has been of the sear secondlished, with roodigious benefit to all sorts of useful knowledge, by the invention of Optical Glasses. By means of Telescopes there is nothing so far distant but may be represented to our view. By the help of Microscopes there is nothing so small as to escape our inquiry; bence there is a new World discovered to the understanding. By this the Heavens are open'd and a vast number of new Starts to which ancient Autonomers were utterly Strangers. By that the Earth itself, which lies under our feet, shew guide a new thing, and in every little particle we now behold almost as a great variety of Creatures, as we were able before to reckon up in the whole Universe.

Hooke's instrument had been known for but half a century. A few random observations had been made with it. Now it had been somewhat improved and, in England especially, it was beginning to attract attention. Henry Power (1623-68), disciple of Str.
Thomass Browne, had been overwhelmed by what he saw through it. His lovely writing echoes the softly glowing music of the Religio Medici."

"Religio Medici."

Dioptrical Glasses [be wrote in 1663] are but a Dioptrical Glasses [be wrote in 1663] are but a Modern invention, neither do Records furnish us with anything that does anticlate our late discoveries of the Telescope and Microscope. The want of which incomparable Artifice made the Ancients not only erre in their mod Coelestial Hypothesis and Crystallines whether of the Heavest and Crystallines whether the of the smallest control Creatures which have been extracted to the Creature which have been extracted to the Creature which have been extracted at the discovery Engines makelines of the Creatures which have been extracted all the perfections of the largest animals; and all the perfections of the largest animals; and animals are compared to the creation. In these perey Engines medical all the perfections of the largest animals; and all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the perfections of the largest animals; and animals are all the largest animals; and

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Nature, but in these narrow Engines there is a more curious Mathematicks.

Power preceded Hooke a little in his microscopic observations. But from early in 1663 to late in 1664 Hooke devoted all his spare time to microscopy. The pioneer work which he produced in 1665 would alone entitle him to lasting fame. Yet beside the gift for observation there displayed, he had almost incredible inventiveness and skill. Many of his discoveries are now so much a part of our civilization that we, whose lives are regulated by them, forget their originator whose memorial we carry—if we are lucky enough—in our watch pockets. The vital spring that Hooke added to the balance-wheel of time-keepers and the anchor excapement of pendulum clocks are but two of his innumerable inventions. The wheel-basrometer, which came by its own again when war withheld the weather forecasts, was of his contriving. It was he who suggested that the freezing of water should determine a fixed point on our thermometers. He was one of the first to construct an air-pump, the pièce de reisitume et amany a meeting of the Royal Society. With it he laid the foundation of modern chemistry in proving, with Boyle, that the air has weight and must therefore be treated as a kind of natter and not mere void. His pump became the garent of Thomas Newcomen's "Atmosphere Engine," and through it of James Watt's steam-orgine and our whole industrial development.

Hooke was a born practical mechanie.

Hooke was a born practical mechanic, When he solved the primal difficulties of making a metal piston properly fit in a cylinder he begat the child which, by another line, was also an ancestor of our steam-driven machines. The microscope is proof enough of his cacelience in making and using optical instruments and of his talent as an illustrator. As an astronomer he was by no means insignificant and, though no matheillustrator. As an astronomer be was by no means insignificant and, though no mathe-matician, he made highly important mathe-matical suggestions. He was an effective architect and built Bedlam, the Royal College of Physicians, Montague House, and Aske's Usonial and arranged house, and Aske's Usonial and arranged house, from Hospital, and prepared plans for rebuilding

THE SERVICE OF THE PARTY OF THE EYRE& SPOTTISWOODE

Here are some of our best books published last year:

The Fisherman's Bedside Book

Final Score WARREN BECK

The Handsome

Langleys NEIL BELL

Bedelia

VERA CASPARY

A Highland Year SETON GORDON

The English Teacher R. K. NARAYAN

MARY O'HARA Aunt Ailsa JEAN ROSS

Transit Visa

ANNA SEGHERS Jim Comes Home

FRANK TILSLEY

Miles from Anywhere
-C. HENRY WARREN Report on the Russians

L. WHITE Martial India

is a selection from our list for this year:

A Woman of the Pharisees
FRANÇOIS MAURIAC

Life Comes to Seathorpe

NEIL BELL The River Road

F. PARKINSON KEYES Anna Collett

BARBARA LUCAS Acton: the Formative

Years DAVID MATHEW

Titus Groan MERVYN PEAKE

The Four Georges
CHARLES PETRIE

Talk of the Devil

Madame de Sévigne ARTHUR STANLEY

Ditchampton Farm A. G. STREET

Peggy Windsor and the American Soldier FRANK TILSLEY

Portrait of G.B.S. FELIKS TOPOLSKI

The Good Life C. HENRY WARREN

EYRE& SPOTTISWOODE Deserve and the second

THE NEW WORLD OF ROBERT HOOKE (continued)

London. His theory of combustion has the respect of chemists. Little wonder that Gunther did not find four large volumes too spacious to recount his activities and in-

But here we are concerned neither with his inventions nor with his constructions, nor even with the man, but with what he saw in the world that is invisible to the unarmed eye in the world that is invisible to the unarmed eye of the same to have a large, About a third of the "Micrographia" is occupied with "artificial substances," such as the points of needles, edges of razors, structure of silk, linen, tabby, which is another name for tafferia, &c. These show little that we might not expect. Another sixth is given to astronomical matters. The rest of the book, with its superb plates of microscopical discoveries, is our present quarry.

It is now common knowledge that plants

coveries, is our present quarry.

It is now common knowledge that plants and animals are built up of "cells," little masses of living substances, each limited by a more or less definite cell-wall or membrane. Hooke was the first to adumbrate this view of the nature of living things. One of the best known of his figures is of the cut surface of cork which he saw to be perforated and protous, much fike a Honeycomb. The ports or refli consisted of boxes separated by certain Diaphragms. These were perhaps, that were ever seen, for I had not met with any that had made mention of them.

The passage introduces this sense of the word cell. Yet it is not cells themselves that he call the passage introduces this sense of the word cell. Yet it is not cells themselves that he call the passage introduces the passage in t

Of the knows species of animals about half are insects. It is natural that a high proportion of Hooke's observations were made on these creatures. His acuteness is nowhere more remarkably shown than in his sexamination of their eyes. These, in their more perfect form, are equisite marvels of complexity. They are "compound," that is, they consist of collections of elements each of which is provided with a lens and an elaborate nervous apparatus, including a sensitive resimal (Pach tement must yield a picture of an object from an angle slightly different from that formed by its neighbours. These organs in some insects amount to many thousands. How all the resulting pictures can be fused into one—if they are fused—and how the insect can react to them is a current problem of animal psychology. Hooke's genius is marked by the rapidity and assurance with which he instantly seizes on such of II. Issed it with the forepart or add, exiting it off. Il Issed it with the forepart or

In many beings, ourselves included, the pro-cess of development from early embryo to adult is gradual. Insect, on a series of dramatic changes of series of dramatic changes of the series of

My mind is bent to tell of forms char bodies."

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THE NEW WORLD OF ROBERT HOOKE (concluded)

Hooke gives an even better reason for the employment of his faithful Mercury in describing another insect:—

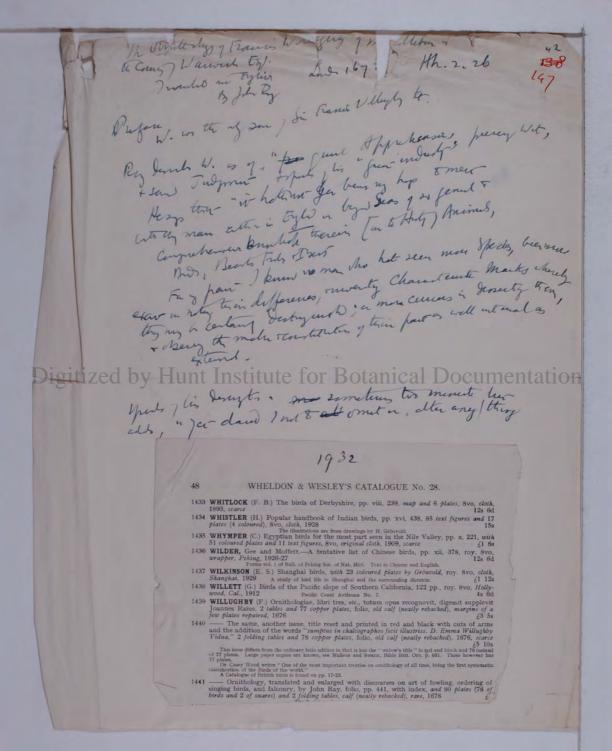
I could perceive, through the transparent shelf, several mentions which I may, perhaps, endeavour more accurately to examine, and to shew of how great benefit the use of a Microscope may be for the discovery of Nature's operations in Animal bodies. By use have the opportunity of obscringing the through these pellucid teguments acting uniformed to the period of the control of the

find, if we could, as we can with a Microscope in these small creatures, quietly peep in at the windows, without frighting her out of her usual

Hooke was the first observer of many classical test-objects for the microscope such as the-fiv's foot and the fish's scale. He contemplates the growths of moulds, the activities and ubiquity of mites, the stings of bees His descriptions of the structure of feathers were the best till well into the nineteenth century, . We have given here but a few simples of his many observations of minutes fife. His reflections are always picturesque. usually acute, often profound. Like many another naturalist he brooded on the theme of purpose. Cui bono ? For what is this endless complexity of minute things? For him it was easier than for us, who live in the days of the theory of evolution, to separate man from the sequence of organic things, but the claim for the uniqueness of man provides no real answer to the question of Nature's purpose, made more insistent by the revelations of the microscope. For purpose man must find in his tabernacle. To be cast into a purposeless universe offends his dignity, isolates him from his world, drives him in upon himself. To find a purpose is harder for the biologist than for the physicist. Hooke's colleague, the devout Boyle, could more easily discern a divine purpose in the simpler inorganic world than could Hooke, who was peering for the first time into this great new world of life which the subsequent three centuries of vast cooperative research has hardly yet even outlined. Hooke can give us only pious cliches. For one of his investigations he his upon that most interesting, because most primitive, of insects, the so-called "silver-fish" (Lepium succharitua), and on it he reflects at the end of his

When I consider what a beap of Saw-dust or ching his little operator space, is, one of the feelin of Timby Sourced into Ba Intrall, if cannot choose but remember and admire the excel-iest contrivance of Nature, in placing in Animals, such a fire, as it continually occurrented and supply of the meterials convey d into the stomach, and fomented by the believes of the times; and in contriving the most admirable fabrick of and that, as to make the very specified thinks, as to make the very specified the contriving the most admirable fabrick of and that, as to make the very specified the contriving the most admirable the contriving the most admirable the contribution of the contribu

So, according to Hooke, animals are but fires which burn—in order to burn. An emptly melancholy reflection concerning the limitess treasures of living beauty on but the remotest fraction of which any human eye can ever feast. May there not then be other eyes that can enjoy these treasures? Can that be true beauty which is not enjoyed?



"HE TIMES

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EARLY EXPERIMENTS IN **OPERA**

VECCHI AND MONTEVERDE BY OUR MUSIC CRITIC

Last Friday Monteverde's Il Combattimento di Tancredi e Clorinda was performed with strings and harpsichord;
next Friday Orazio Vecchi's L'Amfipornasso will be played by puppets to the
vocal accompaniment of the New English Singers. Purcell's The Fairy Queen, which opens at Covent Garden on Thursday, will complete an object lesson in embryonic opera. The musician is indeed fortunate in taa for him history is not of the dead past but is capable of resurrection at his will. Scholarship can a recreate art and bring history to life.

of the dead past but it capable of resurrection at this will. Scholarship capture the recreate art and bring history to life.

The basic fact recorded in every history book is that at the turn of the sixteenth and seventeenth centuries the highly developed art of vocal polyphony gave place almost suddenly to melody. Counterpoint, which had taken 300 years to evolve from the single-line melody which had sufficed for musical experience up till the first some as it obscured the words and so poisoned the relations of poet and musican. So music swung back once more to single-line melody, but now with some sort of harmonic accompaniment. Perhaps the presence of an audience had something to do with it. While people sang madrigals for their own consumption became public music and the words must be heard. The abrupt change in England from madrigal to lutenist ayre was a clear instance of the wider tendency observable in Italy where literary influences conspired with musical of the heard. The abrupt change in England from madrigal to lutenist ayre was a clear instance of the wider tendency observable in Italy where literary influences conspired with musical of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the wider tendency observable in Italy where literary influences conspired with musical of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the abrupt change in England from madrigal to lutenist ayre was a clear instance of the art of the forces responsible for one of the greatest changes of taste in artistic history. With Offeo opera was born, but only as a result of several experiments in making works dramatically ex

in fond detail the life and character of the community as a whole. The landscape of cliff and moor, as might be expected in a novel by Mr. Gunn, is set before us vividly and intimately, and the figures of a crofter or two, a few fishermen, the policeman, the shop-keeper and secretary of the sheep club, the minister at the manse, and a knot of small boys are touched in sympathetically if with no great depth. In their various responses to the strange event which has encompassed them Mr. Gunn traces the pattern of a community existence and, more significantly, of a community soul.

That, as it happens, is the trouble. The mere fidelity to circumstance of his picture of life in Cruime matters less to Mr. Gunn than the moral and metaphysical conclusions to be drawn from the inwardness of life in Cruime. And such inwardness takes symbolical shape in the passion of the smouldering Charlie and the fair Flora, the divinely simple-minded daughter of the manse, and discursive substance in the conversations of the doctor, the explosively "creative" Michael at the lodge and his friend the literary Mr. Gwynn. It is one of these who speaks of "the search back for imaginative wholeness in the primitive, and it is evidently in support of the idea that Mr. Gunn resorts so often to a certain large and vague Gaelic mysticism of thought and speech. The type of irrationalism evidenced in such a statement as "The girls knew, with the intuitions that begins where logic ends, that Flora was the only one upon whom the absolute had come," does no great harm, but the constant illustration of human desire and motive by reference to the ancestral unconmotive by reterence to the ancestral uncon-scious and literal magic and the totemistic absolute can only play havoc with the saving commonplaces of fiction. Mr. Gunn's story has its excitements and its intellectual stimulus, but does not compel belief.

SPANISH PORTRAIT: By ELIZABETH

The title, "Spanish Portrait," describes the book exactly. Miss Elizabeth Lake has devoted her first novel to the drawing of a single character and drawn it with considerable skill Her subject is a painter who knows his limitations. The English Maria is perfecting her Spanish in San Sebastian-the year is 1934when she meets him, a tall, plump, philosophical young Spaniard. Maria is accustomed to have her friendships, and her loveaffairs, follow a certain pattern, and the friendship with Alonso, which never develops into a love-affair, is something new in her experience. For Alonso pays her the extraordinary compliment of being always happy in her company while asking only that she should be happy in his. The cynical, of course, would complain that this gets a girl nowhere, and on the whole Maria is inclined to agree with them. But the friendship-which really needed an older or more experienced woman to appreciate it-is note experienced woman to appreciate it is renewed in Madrid a year or so later, with Alonso still happy, still undemanding, and ended only when Maria, who has the normal youthful objection to a failure, taunts him with being one. Little enough, perhaps, to make a novel about: but the beauty of this one is in its very inconclusiveness. Miss Lake could very well have forced her plot, could have made them lovers and then either dispatched them with a businesslike "happy ending" or parted them with all the trappings of a stock parted them with all the happings of a stock situation in fiction. She does neither. They are obliged to be friends, not very satisfied with each other, perhaps, but still persuasively themselves. The character of Alonso, and the urban life of Spain before the Civil War,

was rather unfortunate in his relations certainly Cherry was not a cousin to be fond of.

The tale progresses and Henry, leaving childhood behind, learns something about life outside his kind home, in offices for example. but remains rather bewildered and lost inarticulate and on the whole frightened. although there are moments when he sunbathes and plays tennis and sings songs with a group round the piano and forgets his timidity. And after Cherry and the typist, Marge, with her golden hair and her sensible love for study, her ambition and her friendly honesty, comes into the picture. No love-making, no special friendship, but somehow Henry the law clerk begins to feel that Marge is somebody to think about. A final severe is someousy to tinnk about. A final severe wilness leaves him struggling back to health, ready as usual to shirk beginning work again but older now and ready to admit "I don't know a thing!" Having reached this point with the total thing to the total thing the struggling that the total thing the total with Henry, the reader realizes that the pains and penalties of youth have had a skilful interpreter in Mr. Sargeson.

THE SOUND OF A TRUMPET. By STEPHEN WATTS. Selwyn and Blount. 8s. 6d.

Many novels will be written on the topic of Major Waltis'—the plight of men who have served as officers during war and find themselves at a loose end when they return to civilian life. Major Watts has written almost a good novel. A fault is that his study of Martin Foulkes is too analytical for readers who want "a good story" and too commonplace to interest those who enjoy psychological fiction. He mixes up not very skilfully three problems which Martin tries to solve. What sort of work shall he try for? Which of three women, his wife and two others, does he want for a life companion? 2 What are his views about social arrangements such as education, inheritance, land ownership, and so on? Much of the book consists of conversations on these matters. The mearest we get to an explanation of the state of the world is that which Cardinal Newman adopted: —"We have abused the gift of free will and got ourselves into the most shocking mess."

It is probably a true picture, as far as it goes, of a group of people accustomed to comfort and an easy life, but none of them emerges as a genuine character. Even the major, who is chaffed for being "red," accepts meekly the decisions of his wife, a quite ordinary little "number," as the major's C.O. would say.

PINCH OF SALT. By PETER BLACKMORE. Comyns Publishers. 8s. 6d.

Sooner or later an enquiring or pedagogic mind will decide what relation the emotional or intellectual content of a play bears to that of a novel. Until that unpublished standard work can be referred to, there is nothing for it but to point out bleakly how much a play must be judged as a tale to be acted. When Mr. Blackmore brought ancient history up-to-date in his comedy "Lot's Wife," there was a kind of gay impudence about the idea of using a disaster as background for the strange predicament of people who attend a memorial service to themselves. That quality became a highly accomplished actress piquantly, and the performance was thankfully received. The book seems to lack that impudence. While lightly treated and imagined with vivid confidence it succeeds simply in being a bright little story to while away the hours.

heav true price was junges, sever, mosquitoes, mud, rapids and yet more mud. This disjointed succession of small acquisitions and discouraging obstacles dictates the form of the narrative, in which events are recorded diary-fashion as they occur, with little emphasis on other relations.

The reader must do his own collecting from it in accordance with the demands of his mental museum. It its political department specializes in ammunition for bombarding totalitarians he will note what he reads of the stupidity of the "big-headed officer" in charge of the road operations of leaf-cutting ants. On the other hand for sagacity—per-

Author of "A Man (
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SATURDAY FEBRUARY 9 1946 LITERARY SUPPLEMENT

THE WRITERS OF THE SEVENTEENTH CENTURY AN AGE OF RICHES

When Professor Whitehead surveyed to the centuries in his "Science and the seventeenth he did not give its mere number to as he did not give its mere number to as he did to the eighteenth and nineteenth, but hoddy labelled it "The Century of Ganlao, Kepler, Pascal, Grotius, Boyle, Went, Newton, In our English literature of that to Newton, In our English literature of that the Elizabethan age, there is no giant but the Elizabethan age, there is no giant but for the Elizabethan age, there is no giant but for appeal to the present age is stronger than it has ever been. The reasons for this increased as interest are not fire to seek. The vogue of other colon Domes the most striking instance of this revolution in taste. His reaction from the Elizabethan desirts, his belind of hought with passionate utterance, his equicient and mental desquiet, and porthaps also, for some his return desquiet, and porthaps also, for some his return desquiet, and porthaps also, for some his return of finith, appeal to a generation that has lost its illusions and has a sprittual hunger which is flustions and has a sprittual hunger which is flustioned and has a statistical with any material success. It is significant that Mr. Addous Husdey should pell it from the transfer and Vaughan occuld give him some mayical insight which occuld give him some mayical insight which a the poets of other ages did not. Again, the modern interest in psychology is stimulated by infining how searchingly Donne analyses the relation between body and soul in exual love, now Burton examines the causes of religious melancholy, and why Hobbes can be held to d their way to this century because the roots

well three outstanding writers: Hobbes with his bare, athletic, homely style; Harrington, whose "Oceana" had its main influence in the American colonies; and Milton, who figures largely in the political and theological chapters as well as having alone a chapter to himself as poet.

perture some minds; Drummond of Haw-thornden, complained that the new opinious "leave the Imagination in a thousand Laby-rinthes," and the studier Burton confessed to being "almost gidde," Sir Thomas Browne, because of his literary gift, has too large a place in the chapter on scientific thought. together. If he made no continues minds scientific digovery, he prepared mais minds for the conquest of nature and illimitable naturely accessed a second to protect the freedom of inquiry by keeping religion and recebons of inquiry by keeping religion and weeping religion and with the contract of the science apart. Most of his successors were corthodox, and the Christian view of the universe was not seriously challenged till after this period: The new astronomy did indeed It is difficult to accept the view that he made great endeavour to keep his mind "abreast of modern science." Robert Boyle deserves Bacon rang "a bell to call other wits gether." If he made no contribution to more attention than he receives in this chapter.

were religious, ranging from popular books of Religion was still the main preoccupation men's minds. Nearly half the publications he former, besides much that served its day of men's minds.

an me for a fresh

Godolphin's "Lord, when the wise men came Godolphin's "Lord, when the wise men indicat scientian," Montroes's "My dear and only love," Cowley's "On the Death of Mr. Carshaw," the anonymous "Yet if his majestic, our Soveraign lord," and Henry Ring's "Escuy" on the death of his wife in her twenty-fourth year, with the ardent affection of its closing lines. achieved something perfect in its way. One of the happest revelations of the age is that so many of the minor poets will on occasion produce a memorable poem. We have but to recall a few of such instances—Wottons: "You meaner Bauties of the Night." Sidney Herbert, or of Crashaw for either, and hone of them is heavily included to Domne. The court poets—Carew, Sucking, Lovelace—often wrote carelessty, but each of them every now and then quality is recognized. For instance, there should be no mistaking of Vaughan for generally have their due, and their individual

This true, with home and grief I yield.
Then like the wan met trook's it the field.
In this adventaring to 45's and adventaring to 45's affector me, whose more years might crave A just precedence in the grave, and purchase the properties of the p

that age, and the bare rehearsal of a handful of them shows what a rich harvest there is to glean by those who make themselves at home in this age. Such poems could only have been written

There are also prose works of the lesser

See rever Isis, VA 39, 1948, \$184.
The was dayle 73 mg. hers 1647-1717
Theodown de 13 mg. hers 1647-1717

Paradijzen (Arnhem: van Loghum Slaterus, 1945, ed. 2)]. STULBEHER-MENHUIS has given us a beautifully illustr. (many cold. incl. some unpubl. pl.) biography of the great naturalist and artist Maria Sibylla Merian (1647/1717). – In The World Example. Recoilec-

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