

Life of John Walker. "

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J.4.11) J.6.36 EH.2

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With numerous insertions: correspondence from Mr. Mackall (bibliographical notes and emendations), from Dr. A. C. Klebs, and from the Comité du Monument, Vienne, with press reports of the inauguration; views of Vienne, and of the monument at Annemasse with photos. of the sculptress, Mme. Roch, and of the promoter, Auguste Dide; review [by the Rev. Alex. Gordon] extr. fr. 'Christian Life', 19 Feb., 1910, p. 93.

FROM
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SIR WILLIAM OSLER, BART.
OXFORD

Journal de Genève 17. Oct. 1911.

Le monument de Michel Servet à Vienne

Vienne, 15 octobre.

Le monument de Michel Servet qu'on vient d'inaugurer est l'œuvre d'un artiste distingué de Vienne, M. Bernard. Servet y est représenté dans l'attitude de la souffrance et du martyre. Au pied du socle élevé qui supporte cette statue de la douleur, un groupe symbolique: deux enfants guidés et protégés par la raison ou la science; en arrière, le remords, image du bourreau repentant. L'œuvre est en granit, dans le style de Rodin. Tous les monuments élevés à Servet le représentent torturé. Pourquoi à Vienne ne pas l'avoir montré dans son rôle de médecin secourant les pestiférés?

La cérémonie a été digne et solennelle. Un grand nombre d'orateurs, de tendances très diverses, se sont fait entendre. On peut les classer en trois groupes: les membres du comité viennois du monument, les francsmaçons et les libres penseurs et les protes-tants libéraux (unitaires d'Angleterre et d'Amérique, protestants de France, d'Alle-

magne et de Genève).

Les membres du comité ont été d'une correction parfaite. Leur but, en élevant un monument à Servet, était de célébrer la tolérance et la liberté de pensée. Dans leurs discours, le sénateur de l'Isère, M. Jouf-fray, et le maire de Vienne, M. Brenier, député, ont évité tout ce qui aurait pu choquer les catholiques ou quiconque ne partageant pas les idées du comité. Le premier de ces orateurs, en dressant la liste des plus illustres martyrs de la pensée libre, a cité en premier Jésus-Christ, condamné par Ponce Pilate qui, dit-on, mourut exilé à Vienne.

Les orateurs appartenant à la francmaçonnerie ont eu moins de mesure. Ils ont glorifié dans Servet le savant qui a découvert la circulation pulmonaire, et fait l'apologie de la science qui libère les esprits, L'un d'eux, le sénateur Debierre, président du Grand-Orient, a déclaré que Servet était un franc-maçon, affirmation assurément étrange, Le prof. Richet, de la Faculté de médecine de Paris, a proclamé que la science remplacerait les religions, mais ces notes discordantes ont été l'exception.

Les protestants libéraux qui ont pris la parole ont été nombreux. Tous ont condamné l'erreur de Calvin, mais ils ont aussi rendu hommage à la grandeur du réformateur et de son œuvre (plus particulièrement M. le professeur Montet). D'autres ont insisté sur le caractère religieux de Servet (MM. les pasteurs L. Comte et Gervais, le professeur Fulliquet), et rappelé que Servet fut avant tout un théologien. Plusieurs ora-teurs, de tendances diverses, ont insisté sur le fait que Genève a été la première à élever un monument à la mémoire de Servet (M. le Dr Ladame, etc.).

L'Allemagne était représentée par M. le professeur R. Berger, de Berlin, et l'Espa-

Lyon Républicain Oct. 16. 1911.

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à VIENNE (Isère)

L'inauguration du monument Michel Servet a eu lieu hier à Vienne.

Nous n'avons nutiement l'intention de rappeter toutes les circonstances de la vie agilée du célèbre savant. D'une intellagence étendue, it étudia successivement la théologie, le droit, la géographie, la médecine. Ses idees philosophiques très personnelles sur certains dogmes de l'Eglise romaine lui vaiurent d'être condamné à mort à Vienne, où it était l'indue de l'archevêque depuis douze ans. Arrêté, il s'évada et se réfugia à Genève.

Michel Servet se croyait en sûreté. Il se trompait. Calvin le fit arrêter, juger et condamner à être brûté vif. La sentence fut exécutée à Champil le 27 octobre 1553.

La ville de Vienne a revêtu sa parure officielle, mais les particuliers, qui semblent s'être abstenus de prendre part à la fête, n'ont aucumement décoré leurs fenêtres. Dans les rues, les promeneurs sont nembreux, car le temps est excellent et le soleil est radieux.

L'INAUGURATION

A neuf heures, eurent lieu, à l'hôtel de ville, les réceptions des notabilités venues assister à la cérémonie. Ce fut rapide, simple, cordial, puis toutes se rendirent en groupe place des Allobroges, où était dressée la tribune officielle en face de la porte d'entrée du Jardin public et du monument.

Sur un messif surélevé se dresse l'appre

public et du monument.

Sur un massif surélevé se dresse l'œuvre du sculpteur Joseph Bernard, magnifique poème de pierre, comme l'a dit M. le sénateur Rivet. Michel Servet est représenté sur le bûcher, les mains liées derrière le dos, attachées à un fût de pierre. Au-dessous, et sur le devant, la Raison abrite le groupe de la jeunesse et de l'autre côté, le Remords se voile la face. Le groupe est véritablement superhe; il est d'une allure puissante, d'une exécution parfaite et l'artiste a su rendre avec une expression énergique l'idée qu'il avait conque.

Tandis que la foule s'amasse dans les enceintes réservées, les personnages officiels

randis que la toule s'amasse dans les en-ceintes réservées, les personnages officiels font leur entrée et prennent place dans la tribune officielle. La musique du 4º génie, mise par l'autorité militaire à la disposition du comité, joue la « Marseillaise », écoutée debut

mise par l'autorne immanie à la dispende du comité, joue la « Marseilaise », écoutée debout.

Parmi les notabilités, on remarque :

MM. Brenier, maire de Vienne; Jountay, Rivet, Bebierre, sénateurs; Perrier, dépuié de Pisère; Paul Guieysse, ancien ministre; Wendte, Secretaire de l'Association générale unitaire de l'Amérique; Harrisson, défégué des Unitaires d'Angleterre et d'Ecosse; Charles Richet, de l'Academie de médecine; Rudolf Berger, professeur a Berlin; Otto Karmin, de la Libre Pensée Suisse; Edouard Montet, recteur de l'Université de Genève; le sculpteur Bernard; Lapuya, rédacteur en chef du journal « El Pais ».

MM. les docteurs Ladame, de l'Institut naflonal genevois; Hugounecd, doyen de la Faculté de médecine de Lyon; Benjamin Buisson, directeur de l'enseignement tunisien; Prévôt, président du comité executif du montiment; Gorjus, adjoint au maire de Lyon, représentant M. Herriot; Dunolard, Magnin, Bernarson, conseillers généraux de l'Isère.

MM. Bourdin, délégné de la grande Loge de France, les pisseurs fullagier, Gervais, Comie, Gailland; Moyet, conseiller à la cour de Grenchle; Chausse, secrétaire général de la Libre Pensée du Rhône; Manuel et Romaiff, conseillers d'arrondissement de l'Isère; Trabit et Lambert, adjoins au maire de Vienne.

MM. Vinay, maire de Rive-de-Gier; Perret, maire de Voiron; Constantio, maire de Saint-Symphorien-d'Ozon; Turin, maire d'Auberives; Gerin, maire de Sant-Prin; Dorel, maire de Sablon; Rigollier, maire de Luzinay; Perret, maire de Sahnt-Clair;

MM. Bernais, ancien maire de Rive-de-Gier; Flachter, adjoint aux Gotes-de-Courieu; Marchad, adjoint a

compendions treather of aictiony. . - 2 nd ed. Lond, 1787. Sm. 80. MYY.5.8.

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L'Allemagne était représentée par M. le professeur R. Berger, de Berlin, et l'Espague par M. Lapuya, de Barcelone, qui a sannoncé l'érection prochaine d'un monu-

ment à Servet dans cette ville.

Un public sympathique assistait à cette la pauguration. Toutefois la majorité de la P inauguration. Toutefois la majorité de la P population de Vienne paraît s'en être dé- o sintéressée; il est vrai, nous a-t-on dit, que 1

le cléricalisme y est influent.

Chose étonnante, aucune affiche sur les q murs, sauf celle signée par « un groupe de ^ n protestants», et rédigée, paraît-il, par le professeur Doumergue. Cette affiche reproduit l'image du monument de Champel, et retrace P brièvement la vie, le procès et le martyre de Servet.

Une intéressante étude de M. Ferd. Buisson sur Servet et l'idée de tolérance au XVIe siècle a été lue par son frère, inspec-

teur de l'enseignement en Tunisie.

Voici l'allocution qu'a prononcée M. Mon- u tet, recteur de l'Université de Genève.

S'il est une ville dans les murs de laquelle u on devait élever un monument à la mémoi-re de Michel Servet, c'est assurément l'an-tique et noble cité de Vienne. C'est ici, en tique et noble cité de Vienne. C'est ici, en effet, que Servet a passé douze années de sa vie, les meilleures et les moins troublées de son existence agitée. C'est ici qu'il a publié son grand ouvrage la Restitution du Christianisme, qui souleva contre lui la tempête dans laquelle il périt. C'est ici que l'autorité ecclésiastique le fit saisir et emprisonner, le condamna et le fit brûler en effigie. C'est ici qu'après sa fuite de la prison, commença le douloureux pèlerinage, qui le conduisit au bûcher de Champel.

D'autre part, s'il est une ville qui devait être représentée à l'inauguration de ce mo-

être représentée à l'inauguration de ce monument, c'est sans contredit la cité de Genève, où Servet a été jugé et condamné, et

où il a subi le martyre.

A Genève, nous avons eu le sentiment qu'un monument devait être élevé à la mémoire de Michel Servet, monument destiné, dans notre pensée, à redresser l'irréparable erreur commise au XVI siècle. Nous avons estimé qu'il n'était pas possible d'ériger à Canève un monument à la gloire de la Ré Genève un monument à la gloire de la Ré-forme avant d'avoir dressé la pierre com-mémorative du supplice de Servet. En 1903, c'est-à-dire six ans avant la célébration du jubilé de 1909, nous avons inauguré, sur l'emplacement où Servet fut brûlé, une stèle, qu'on a qualifiée avec raison de monument expiatoire; l'expression se trouve d'ailleurs dans le texte gravé sur la pierre.

A Genève, nous avons une profonde re-connaissance envers Calvin et la Réforme. Calvin a fait la grandeur de notre ville; c'est lui qui a fondé notre Université, à la-quelle nous sommes fiers d'appartenir et

que le nous sommes ners d'appartenir et qui a toujours été un foyer de lumière et de liberté spirituelle. La Réforme du XVIe siècle à accompli, en effet, une œuvre impérissable de libération des esprits.

Mais autant nous célébrons le génie de l'homme qui a présidé à cette révolution libératrice, autant nous condamners l'arrente. l'homme qui a présidé à cette révolution libératrice, autant nous condamnons l'erreur qu'il a commise en faisant brûler Servet. L'intolérance était générale au XVIe siècle, dans tous les camps, et le supplice de Servet n'a suscité, à l'époque, que de très rares protestations, qui sont restées sans écho. Mais l'erreur d'un siècle n'excuse pas l'erreur d'un homme, si grand qu'il ait été. Voilà pourquoi le nom de Servet est devenu le symbole de l'idée de tolérance. Voilà pourquoi tout monument élevé en souvenir de cet Espagnol à l'esprit encyclopédi-

nir de cet Espagnol, à l'esprit encyclopédique et génial, qui fut un des plus grands savants de son temps est un édifice construit vants de son temps est un édifice construit pour rappeler aux générations présentes et futures que la liberté de pensée est le premier devoir à pratiquer soi-même, et le premier droit à respecter chez les autres.

En invitant l'Université de Genève, c'estadire l'ancienne académie de Calvin, à se faire représenter à l'inauguration de ce monument, vous avez, voulu, que les héritiers

faire représenter à l'inauguration de ce mo-nument, vous avez voulu que les héritiers spirituels du grand réformateur vinssent rendre leur témoignage, un témoignage ému et sincère, au grand représentant de la science au XVI^e siècle, à Michel Servet. Nous vous remercions de cette noble pensée. Notre place, en effet, était ici, et nous som-mes heureux de nous y trouver.

Au cours du banquet, M. le pasteur Gaillard, de Genève, a parlé au nom de l'Union du christianisme libéral. M. le prof. Fulliquet a également prononcé quelques pa-

Altobroges, où ctait aressée la tribune officielle en face de la porte d'entrée du Jardin public et du monument.

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Les délégations de sociétés de Libre Pensée de Lyon, de Villefranche-sur-Saône, de Valence, de Décines, de Grémieu, de Tignieu-Jameyzieu, etc.; de nombreux comités radicaux et radicaux-socia-listes, de loges diverses, etc.

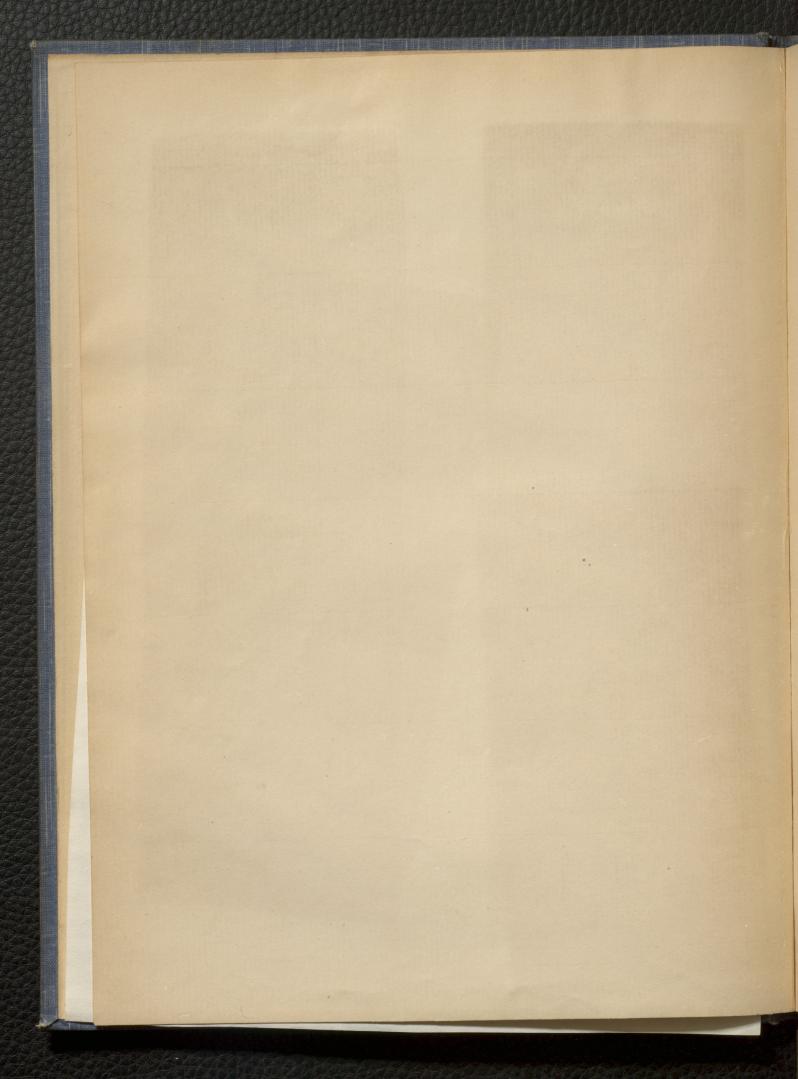
LES DISCOURS

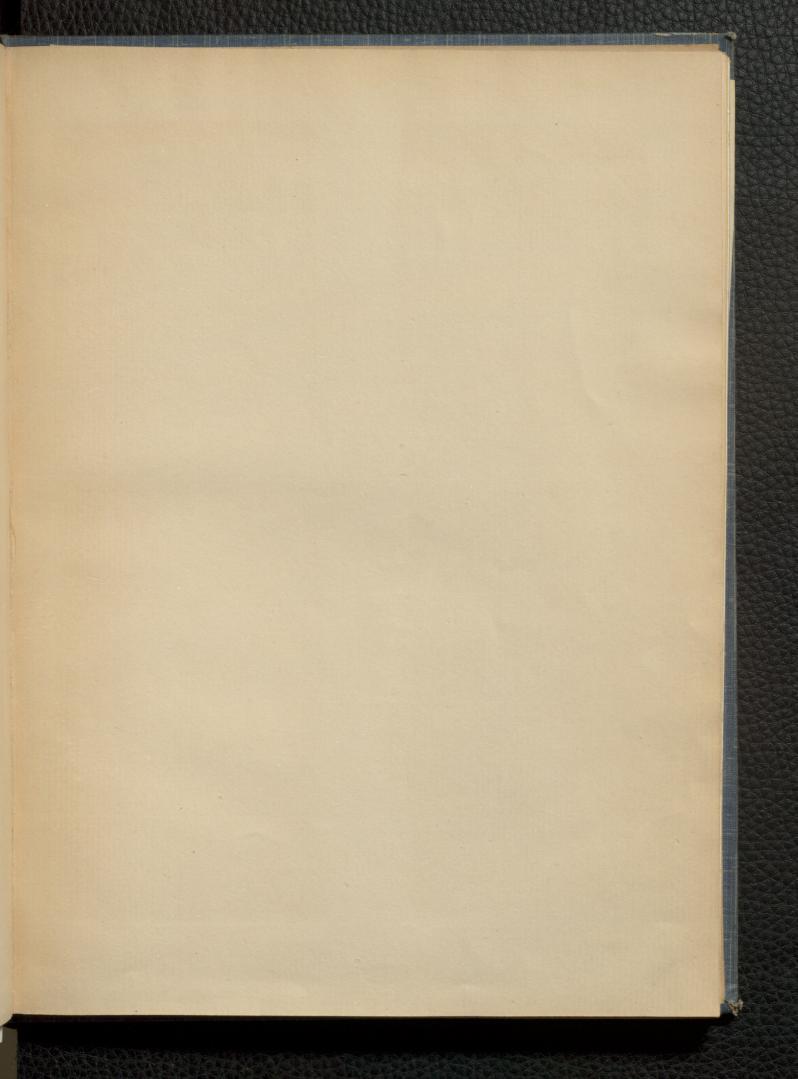
Après avoir donné lecture des excuses adressées par MM. Antonin Dubost, président du Sénat, et Dujardin-Beaumeiz, retenus par le deuil national, M. Jouffray, qui préside, salue la mémoire de Marcellin Berthelot, et prononce un panégyrique en faveur de Michel Servet, martyr de l'Intolérance,

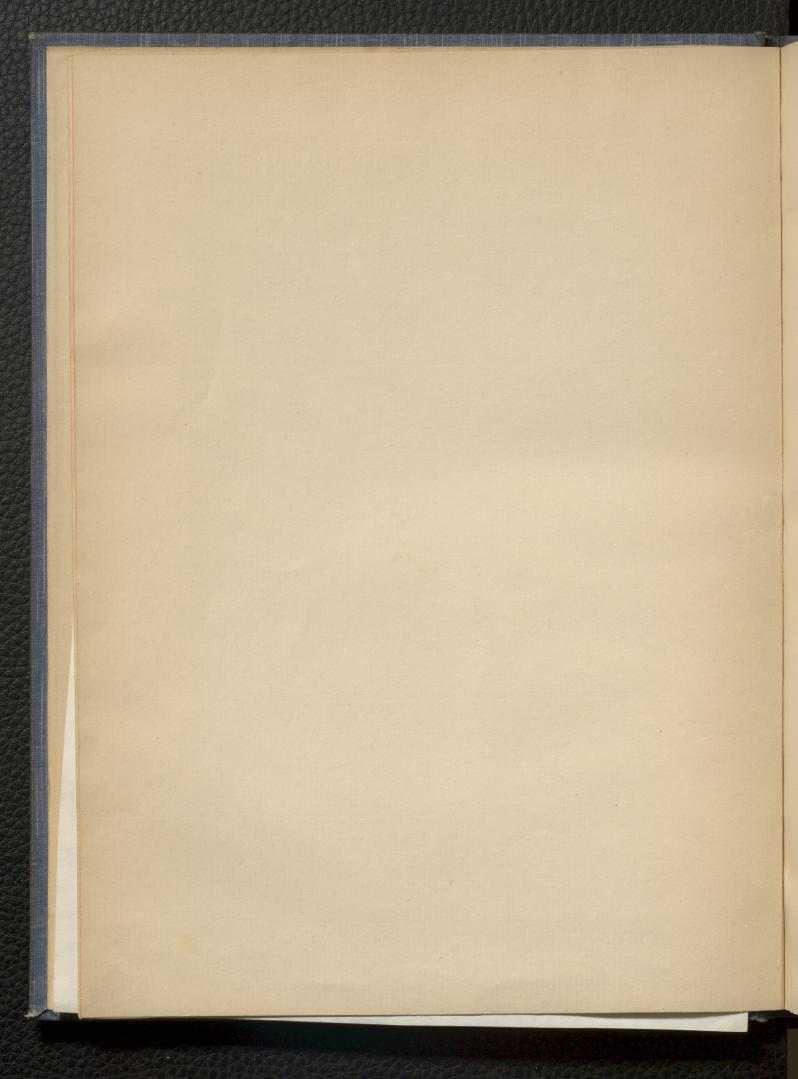
Après lui, se firent entendre MM. Prévot, au nom du comité exécutif; le professeur Charles Bieltet, de l'Académie de médecine; Rudoif Berger, de Berlin; Gustave Rivet, sénateur de l'Issre; Wendt, serrétaire de l'Association unitaire d'Amérique, qui s'exprime en anglais; le pasteur Gervais, au nom des protestants libéraux; le sénateur Debierre, au nom du Grand-Orient; John Harrisson, de-légué des Unitaires d'Amérique; le docteur Ladame; Edouard Montel; Benjamin Buisson, qui lut le discours de son frère, Ferdunand Buisson, député de Paris, et enfin M. Brenier, qui accepta le monument au nom de

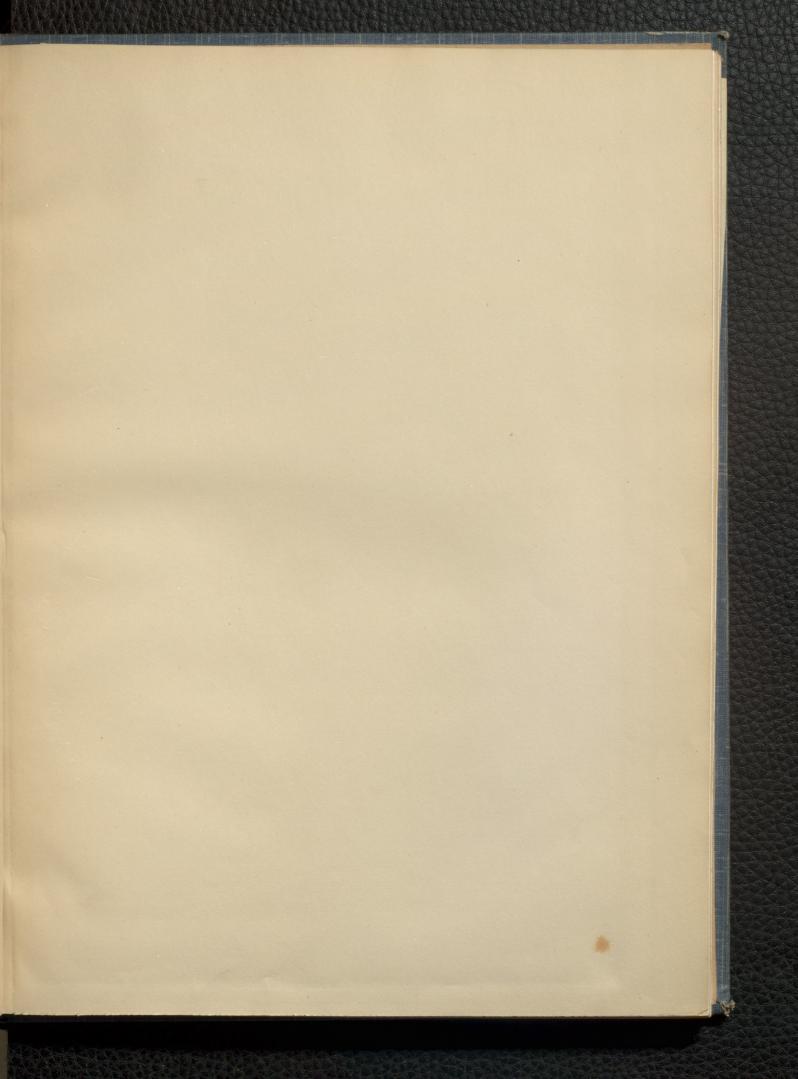
Brenier, qui accepta le monument au nom de la ville. La cérémonie terminée, eut lieu, dans la salle des fêtes, un banquet qui réunit plus de 500 personnes.

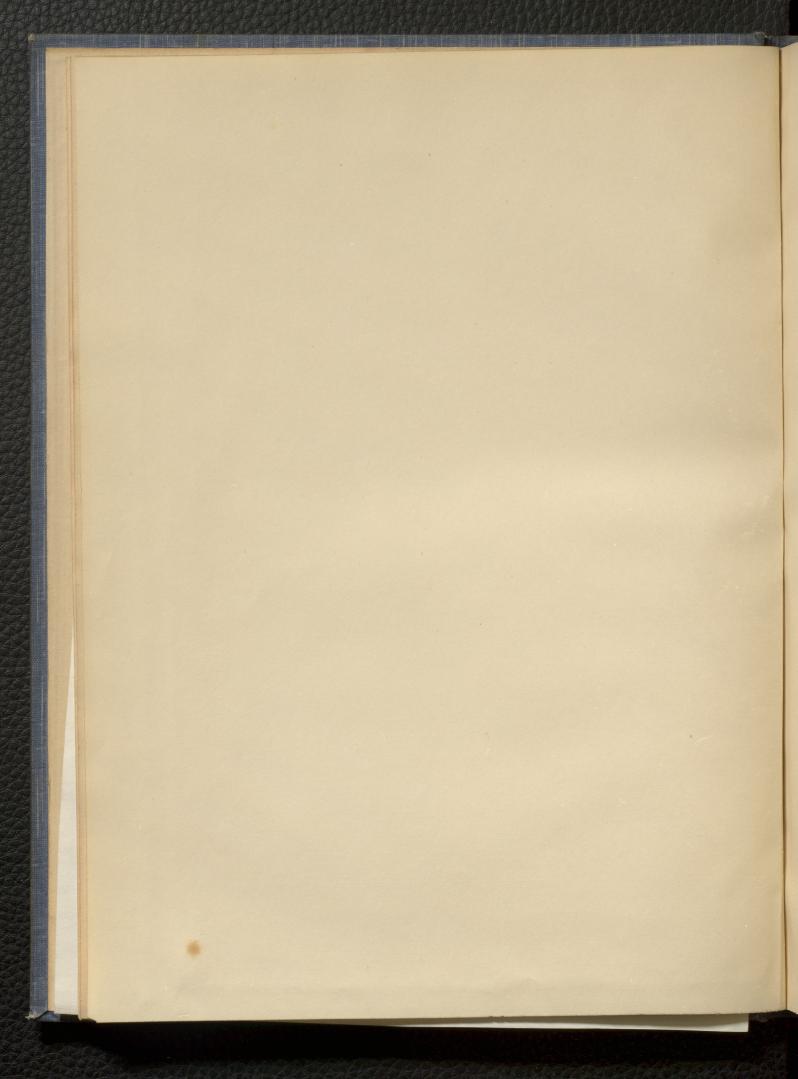
Au dessert, de nombreux discours furent prenoncés en l'honneur de la victime des fana-tiques, Michel Servet.

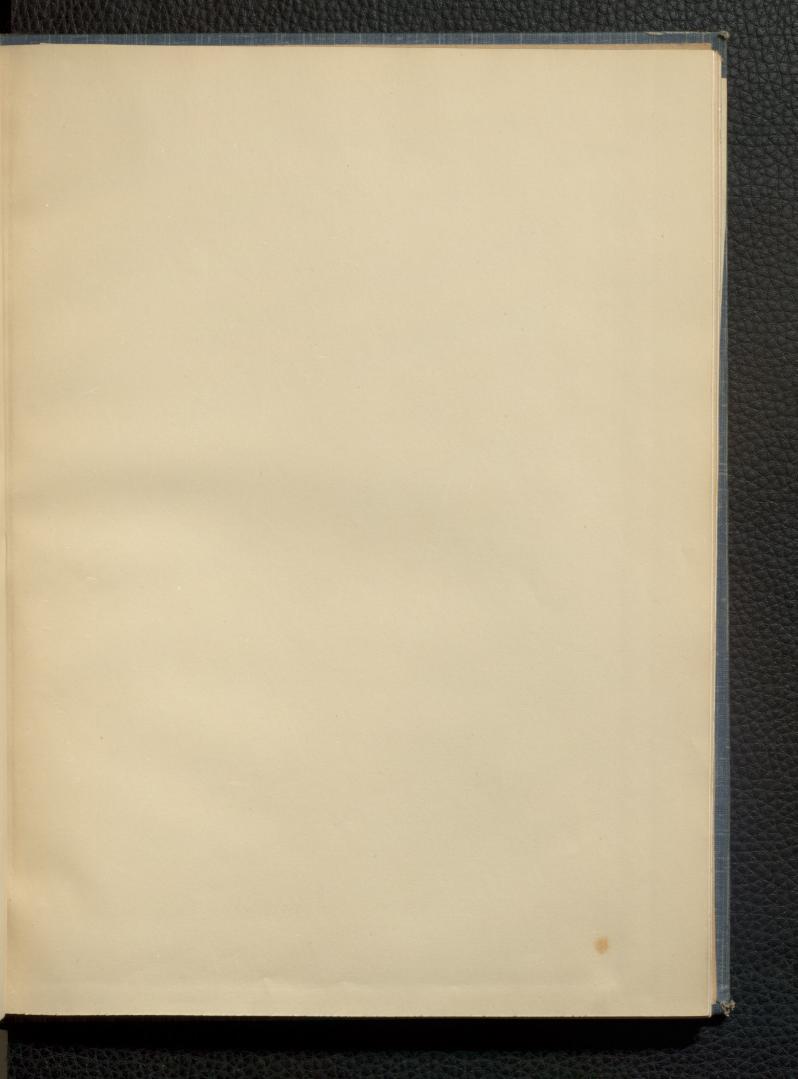


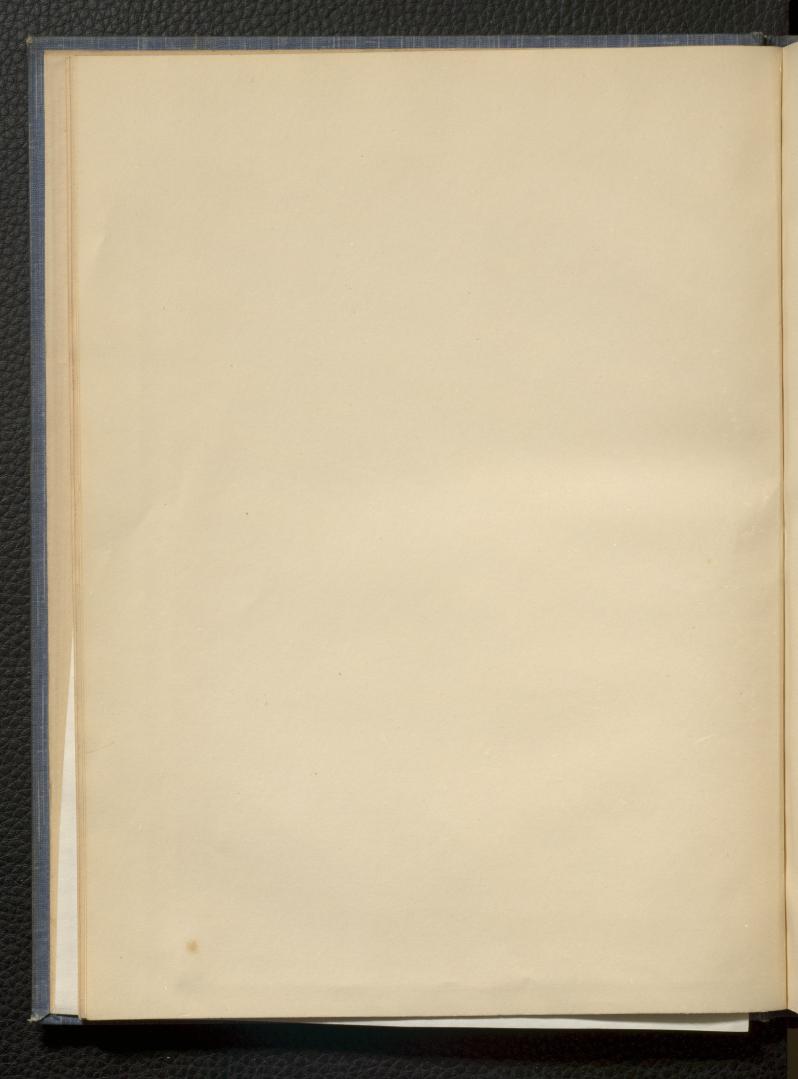


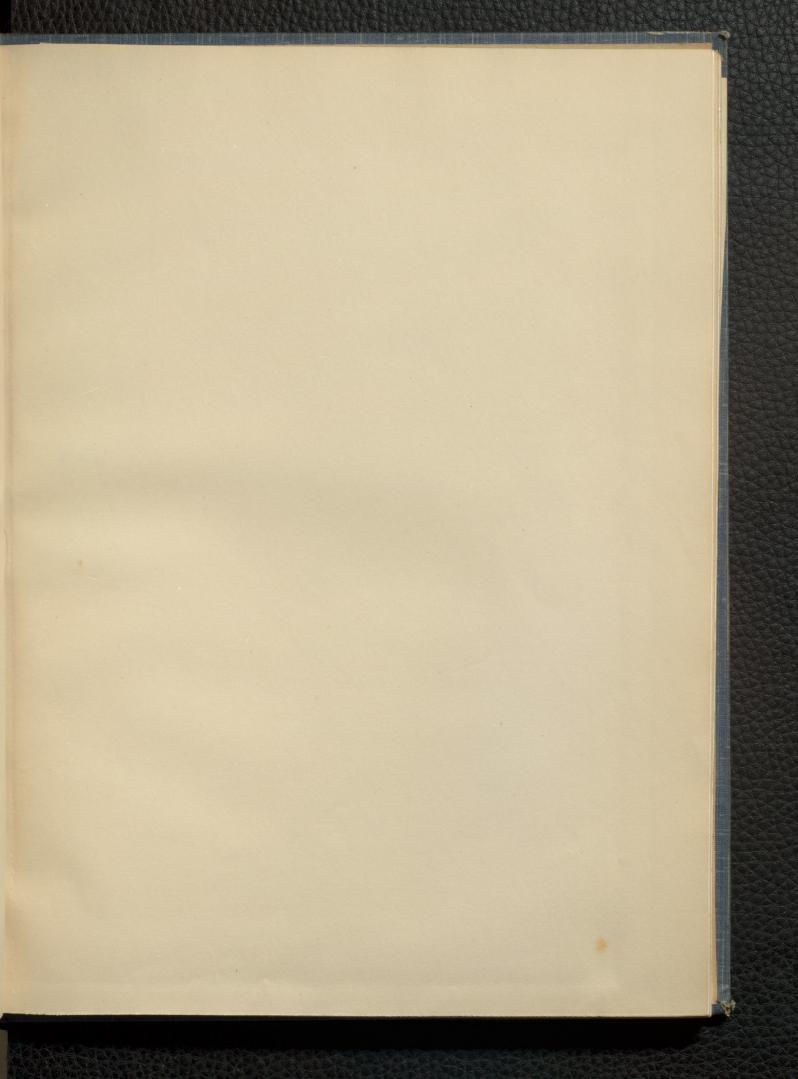


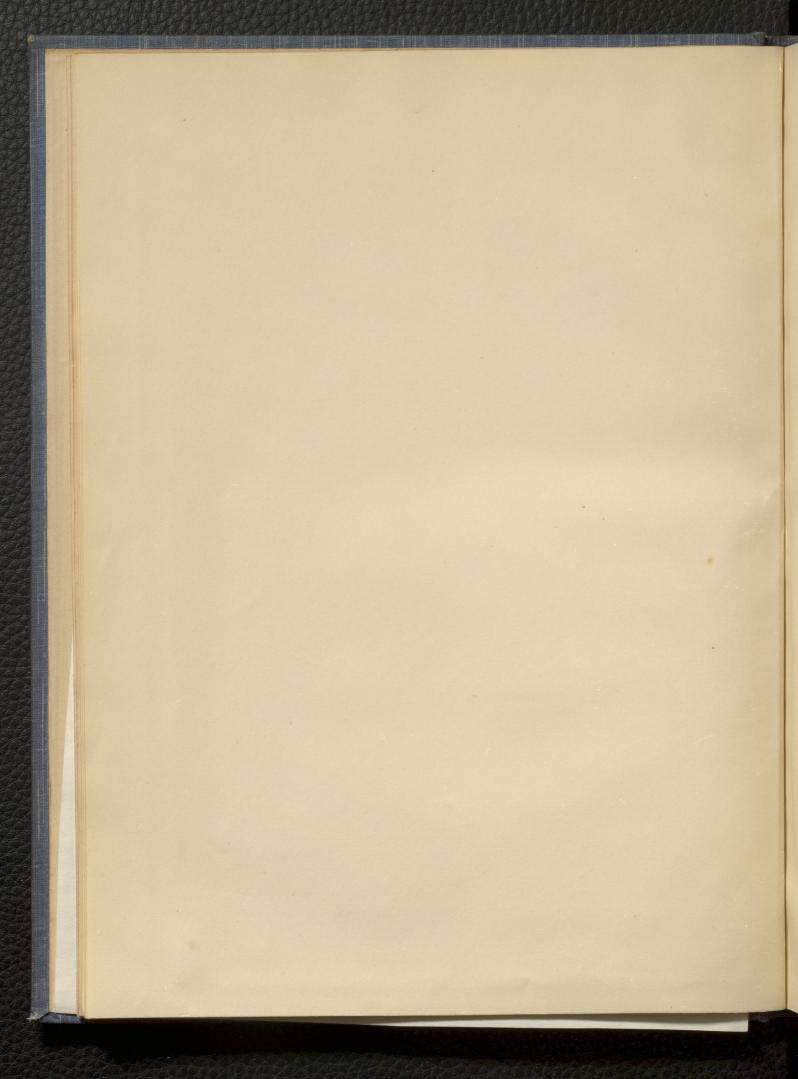


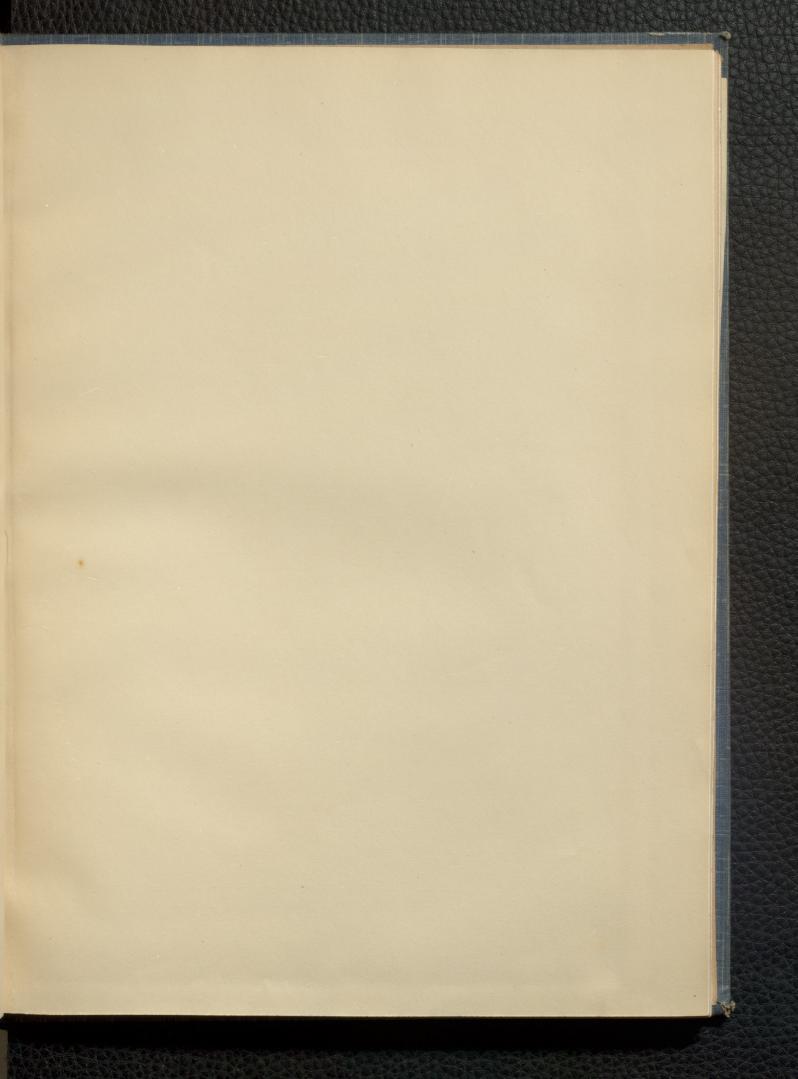


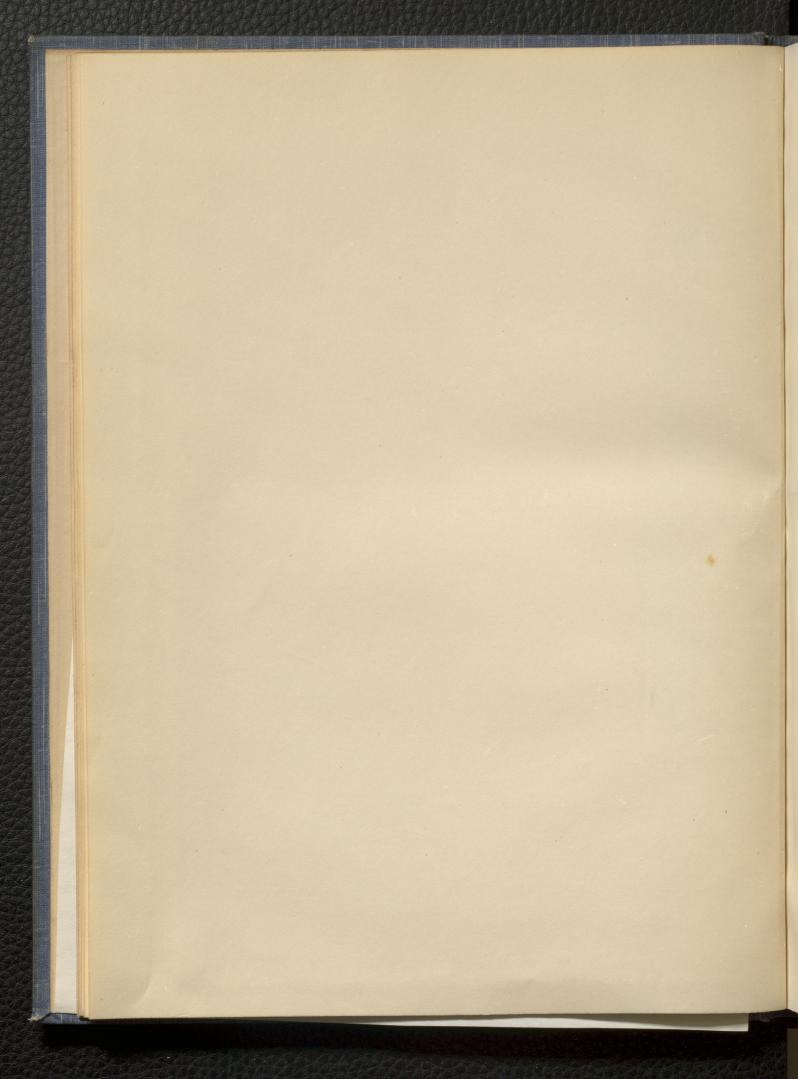


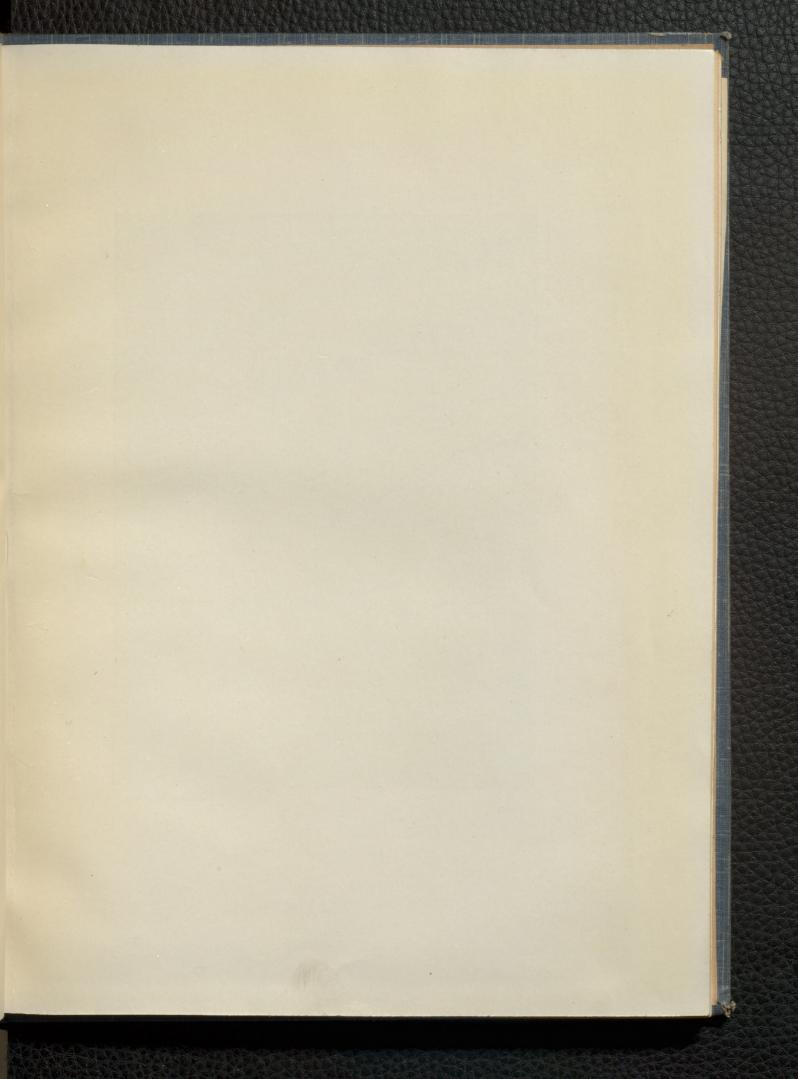














Front.

MICHAEL SERVETUS

RV

WILLIAM OSLER, M. D., F. R. S.

REGIUS PROFESSOR OF MEDICINE
UNIVERSITY OF OXFORD

The Lord Galtimore (Press BALTIMORE, MD., U. S. 3.

MICHAEL SERVETUS*

The year 1553 saw Europe full of tragedies, and to the [1] earnest student of the Bible it must have seemed as if the days had come for the opening of the second seal spoken of in the Book of Revelation, when peace should be taken from the earth and men should kill one another. One of these tragedies has a mournful interest this year, the four hundredth anniversary of the birth of its chief actor; yet it was but one of thousands of similar cases with which the history of the sixteenth century is stained. On October 27, shortly after twelve o'clock, a procession started from the town-hall of Geneva-the chief magistrates of the city, the clergy in their robes, the Lieutenant Criminel and other officers on horseback, a guard of mounted archers, the citizens, with a motley crowd of followers, and in their midst, with arms bound, in shabby, dirty clothes, walked a man of middle age, whose intellectual face bore the marks of long suffering. Passing along the rue St. Antoine through the gate of the same name, the cortège took its way towards the Golgotha of the city. Once outside the walls, a superb sight broke on their view: in the distance the blue waters and enchanting shores of the Lake of Geneva, to the west and north the immense amphitheatre of the Jura, with its snow-capped mountains, and to the south and west the lovely valley of the Rhone; but we may well think that few eyes were turned away from the central figure of that sad procession. By his side, in earnest entreaty, walked the aged pastor, Farel, who had devoted a long and useful life to the service of his fellow citizens. Mounting the hill, the field of Champel was reached,

^{*} This address did double duty—at the Johns Hopkins Hospital Historical Club, and as an Extension lecture in the Summer School, Oxford.

1] and here on a slight eminence was the fateful stake, with the dangling chains and heaping bundles of faggots. At this sight the poor victim prostrated himself on the ground in prayer. In reply to the exhortation of the clergyman for a specific confession of faith, there was the cry, 'Misericordia, misericordia! Jesu, thou Son of the eternal God, have compassion upon me!' Bound to the stake by the iron chain, with a chaplet of straw and green twigs covered with sulphur on his head, with his long dark face, it is said that he looked like the Christ in whose name he was bound. Around his waist were tied a large bundle of manuscript and a thick octavo printed book. The torch was applied, and as the flames spread to the straw and sulphur and flashed in his eyes, there was a piercing cry that struck terror into the hearts of the bystanders. The faggots were green, the burning was slow, and it was long before in a last agony he cried again, 'Jesu, thou Son of the eternal God, have mercy upon me!' Thus died, in his fortyfourth year, Michael Servetus Villanovanus, physician, physiclogist, and heretic. Strange, is it not, that could he have cried, 'Jesu, thou Eternal Son of God!' even at this last moment, the chains would have been unwound, the chaplet removed, and the faggots scattered; but he remained faithful unto death to what he believed was the Truth as revealed in the Bible.

2] The story of his life is the subject of my address.

Michael Servetus, known also as Michel Villeneuve, or Michael Servetus Villanovanus, or, as he puts in one of his books, alias Reves, was a Spaniard born at Villanueva de Sigena, in the present province of Huesca. When on trial at Vienna, he gave Tudela, Navarre, as his birthplace, at Geneva, Villanueva of Aragon; and at one place he gave as the date of his birth 1509, and at the other 1511. The former is usually thought to be the more correct. As at Villanueva de Sigena there are records of his family, and as the family altar, made by the father of Servetus, still exists, we may take it that at any rate the place of his birth is settled. The altar-screen is a fine piece of work, with ten paintings. I am indebted to Signor Antonio Virgili, of Barcelona, for the photograph of it

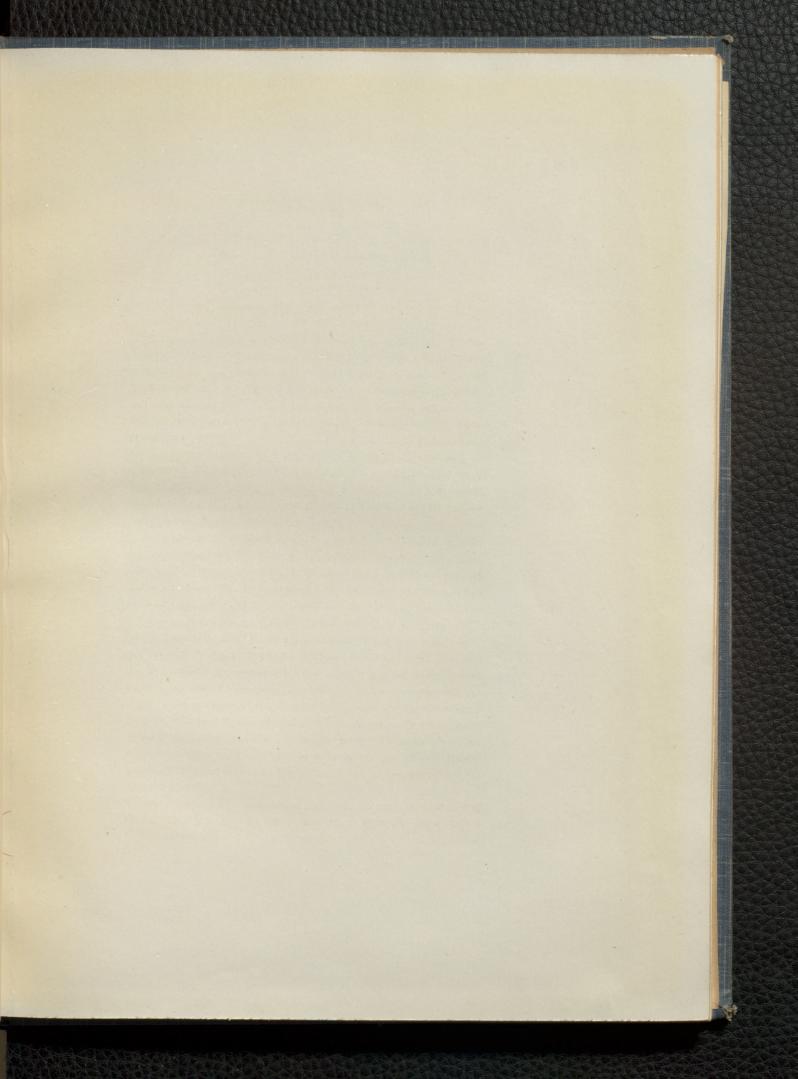




Fig. 2.—Altar Screen at Barcelona.

here reproduced (Fig. 2). Servetus seems to have belonged[2] to a good family in easy circumstances, and at his trial he said he came of an ancient race, living nobly.

From the convent school he probably went to the neighbouring University of Saragossa. Possibly he may have studied for the priesthood, but however that may be be, there is evidence that he was a precocious youth, and well read in Latin, Greek, and Hebrew, the last two very unusual accomplishments at that period.

We next hear of him at Toulouse, studying canon and civil law. He could not have been twenty when he entered the service of the Friar Quintana, confessor to the Emperor Charles V, apparently as his private secretary. In the suite of the Emperor he went to Italy, and was present when Pope and Emperor entered Bologna, and 'he saw the most powerful prince of the age at the head of 20,000 veterans kneeling and kissing the feet of the Pope.' Here he had his first impression of the worldliness and mercenary character of the Papacy, hatred of which, very soon after, we find to have become an obsession.

In the summer of 1530 the Emperor attended the Diet of Augsburg, where the Princes succeeded in getting Protestantism recognized politically. Such a gathering must have had a profound influence on the young student, already, we may suppose, infected with the new doctrines. Possibly at Saragossa, or at Toulouse, he may have become acquainted with the writings of Luther. Such an expression of opinion as the following, written before his twenty-first year, could scarcely have been of a few months' growth: 'For my own part, I neither agree nor disagree in every particular with either Catholic or Reformer. Both of them seem to me to have something of truth and something of error in their views; and whilst each sees the other's shortcomings, neither sees his own. God in his goodness give us all to understand our errors, and incline us to put them away. It would be easy enough, indeed, to judge dispassionately of everything, were we but suffered without molestation by the churches freely to speak our minds.' (Willis.)

[2]

DE TRINI-

TATIS ERRORIBVS LIBRI SEPTEM.

Per Michaelem Serueto, aliàs Reues ab Aragonia Hispanum.

Anno M. D. XXXI.

How far he held any personal communication with the Ger-[2] man reformers is doubtful. It is quite possible, and Tollin, his chief biographer, makes him visit Luther. We do not know how long he held service with Quintana, Tollin thinks a year and a half. It is not unlikely that the good friar was glad to get rid of a young secretary infected with heresy so shocking as that contained in his first book, published in 1531; indeed, there is a statement to the effect that a monk in the suite of Quintana found the book in a shop at Ratisbon and hastened to tell the confessor of its terrible contents. Servetus had plunged headlong into studies of the most dangerous character, and had even embooked them in a small octavo volume, entitled De Trinitatis Erroribus, which appeared without the printer's name, but on the title-page the author, Michael Serveto, alias Reves ab Aragonia, Hispanum, and with the date MDXXXI. In the innocency of his heart he thought the work would be a good introduction to the more liberal of the Swiss reformers, but they would have none of it, and were inexpressibly shocked at its supposed blasphemies. Nor did he fare better at Strassburg; and even the kind-hearted Bucer [3] said that the author of such a work should be disembowelled and torn in pieces.

In thorny theological questions a layman naturally seeks shelter, and I am glad to quote the recent opinion of a distinguished student of the period, Professor Emerton, on this youthful phase of the life of Servetus. 'He would not admit that the eternal Son of God was to appear as man, but only that a man was to come who should be the Son of God. This is the earliest intimation we have as to the speculations which were occupying the mind of the young scholar. It is highly significant that from the start he was impressed with what we should now call the historical view of theology. As he read the Old Testament, its writers seemed to him to be referring to things that their hearers would understand. Their gaze into the future was limited by the fortunes of the people at the moment. To imagine them possessed of all the divine

¹ Harvard Theological Review, April, 1909.

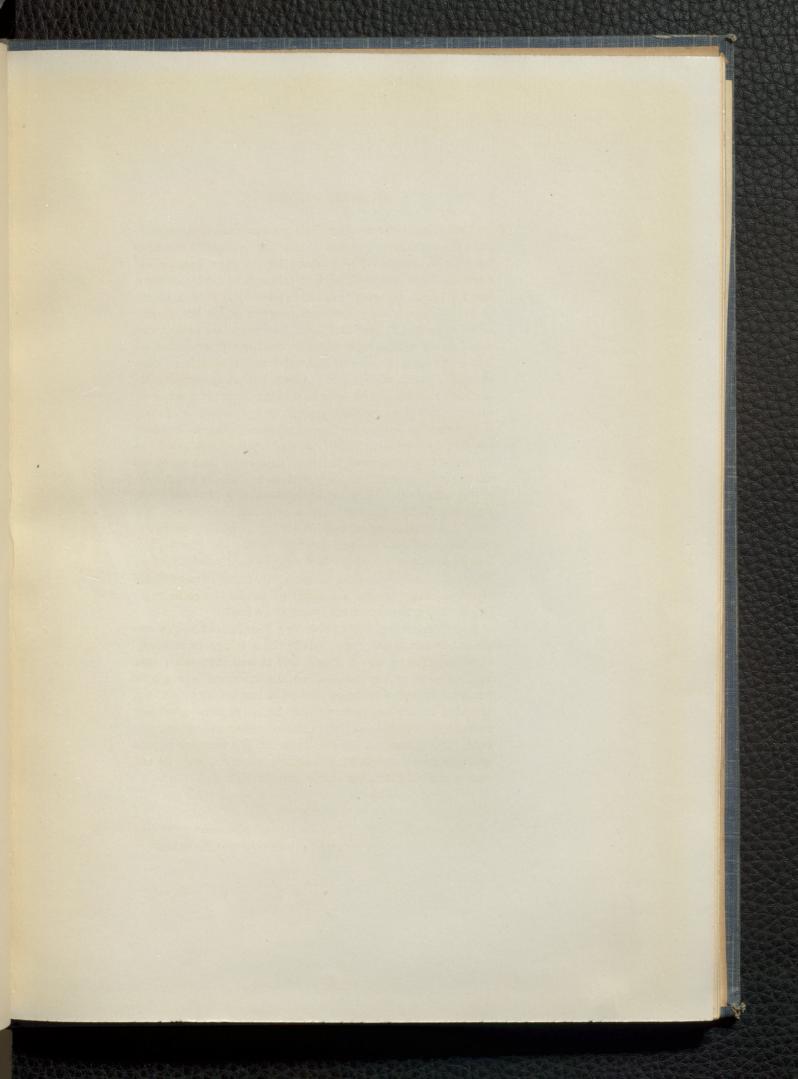
[3] mysteries, and to have in mind the person of the man Jesus as the ultimate object of all their prophetic vision, was to reflect back the knowledge of history into a past to which such knowledge was impossible. So far as I can understand him, this is the key to all of Servetus' later thought. His manner of expressing himself is confusing and intricate to the last degree, so much so that neither in his own time nor since has any one dared to say that he understood it. To his contemporaries he was a half-mad fanatic; to those who have studied him, even sympathetically, his thought remains to a great extent enigmatical; but this one point is fairly clear: that he grasped, as no one up to his time had grasped, this one central notion, that, whatever the divine plan may have been, it must be revealed by the long, slow movement of history—that, to understand the record of the past, it must be read, so far as that is possible, with the mind of those to whom it was immediately addressed, and must not be twisted into the meanings that may suit the fancy of later generations.'

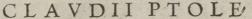
'To have seized upon such an idea as this—an idea which has begun to come to its rights only within our memories—was an achievement which marks this youth of twenty as at all events an extraordinary individual, a disturbing element in his world, a man who was not likely to let the authorities rest calmly in possession of all the truth there was.'

In the following year, 1532, two dialogues appeared, explanatory and conciliatory, a little book which only aggravated the offence, and feeling the Protestant atmosphere too hot, Servetus went to Paris. Dropping this name by which he has been known, and closing this brief but stormy period, for the next twenty-one years we now follow Michel Villeneuve, or Michael Villanovanus, in a varied career as student, lecturer, practitioner, author and editor, still nursing the unconquerable hope that the world might be reformed could he but restore the primitive doctrine of the Church.

II

We know very little of this his first stay in Paris. Possibly he found employment as teacher, or as reader to the press. At





MAEI ALEXANDRINI
GEOGRAPHICAE ENAR*
RATIONIS

LIBRI OCTO.

EX BILIBALDI PIRCKEY MHERI
tralatione, fed ad Græca & prifta exemplaria à Mis
chaële Villanouano iam primum recogniti.
Adicet a infuper ab codem Scholia,
quibus exoleta turbium nos
mina ad noftri fecu
fi more expo
nuntr.

QVINQVAGINTA ILLAE QVOQVE CVM uclerum tum recontium tabulae desertiuntur saerijā incolnium vitus co morea explicantur,



LVGDVNI
EX OFFICINA MELCHIORIS ET
GASPARIS TRECHSEL FRATRVM
M. D. XXXV.

lines House

this period his path first crossed that of Calvin, then a young [8] student. Of about the same age, both ardent students, both on the high road of emancipation from the faith of their birth, they must have had many discussions on theological questions. One may conclude from the reproachful sentence of Calvin many years later, 'Vous avez fuy le luite', that arrangements had been made for a public debate.

After a short stay at Avignon and Orleans, we next find Servetus at Lyons, in the employ of the Trechsels brothers, the famous printers. Those were the days of fine editions of the classics and other books, which required the assistance of scholarly men to edit and correct. He brought out a splendid folio of Ptolemy's Geography, 1535 (Fig. 4), with commentaries on the different countries, which show a wide range of knowledge in so young a man. It is marked also by many examples of independent criticism, as, when speaking of Palestine, he says that the 'Promised Land' was anything but a ' promising land', and instead of flowing with milk and honey, and a land of corn, olives and vineyards, it was inhospitable and barren, and the stories about its fertility nothing but boasting and untruth. He seems to have been brought to task for this, as in the second edition, 1541, this section does not exist. For this work he was paid by the Trechsels 500 crowns.

It is possible that Servetus and Rabelais may have met at Lyons, as at this time the 'great Dissimulator' was physician to the Hôtel-Dieu, but there is nothing in the writings of either to indicate that their paths crossed. The man who had the greatest influence upon him at Lyons was Symphorien Champier, one of the most interesting and distinguished of the medical humanists of the early part of the sixteenth century. Servetus helped him with his French *Pharmacopoeia*, and Pastor Tollin will have it that Champier even made a home for the poor scholar. An ardent Galenist, an historian, the founder of the hospital and of the medical school, Champier had the usual predilection of the student of those days for astrology. Probably from him Servetus received his instruc-

Professor of Medicine of Tübingen, Fuchsius, attacked Champier on the ground of his astrological vagaries, Servetus took up his pen and replied in defence with a pamphlet entitled 'In Leonhardum Fuchsium defensio apologetica pro Symphoriano Campeggio', an exceedingly rare item, the only one indeed of the writings of Servetus that I have not seen in the original.

Stimulated doubtless by the example and precept of Champier, Servetus returned to Paris to study medicine. Fairly rich in pocket with the proceeds of his literary work, he attached himself first to the College of Calvi, and afterwards to that of the Lombards, and it is said that he took the degrees of M.A. and M.D., but of this I am told that there is no documentary evidence.

Of his life in Paris we have very little direct evidence, except in connexion with a single incident. We know that he came into intimate contact with three men—Guinther of Andernach, Jacobus Sylvius, and Vesalius. Guinther and

[4] Sylvius must have been men after his own heart, ripe scholars, ardent Galenists, and keen anatomists. In the Institutiones Anatomicae (Basel, 1539), Guinther speaks of Servetus in connexion with Vesalius, who was at this time his fellow pro-sector. 'And after him by Michael Villanovanus, distinguished by his literary acquirements of every kind, and scarcely second to any in his knowledge of Galenical doctrine.' With their help he states that he has examined the whole body, and demonstrated to the students all of the muscles, veins, arteries, and nerves. There was at this time a very keen revival in the study of anatomy in Paris, and to have been associated with such a young genius as Vesalius, already a brilliant dissector, must have been in itself a liberal education in the subject. It is easy to understand whence was derived the anatomical knowledge upon which was based the far-reaching generalization with which the name of Servetus is associated in physiology.

But the Paris incident of which we know most is connected

with certain lectures on judicial astrology. We have seen that [4] at Lyons, Servetus had defended his friend and patron Symphorien Champier, through whom he had doubtless become familiar with its practice. Though forbidden by the Church, judicial astrology was still in favour in some universities, and was practised largely by physicians occupying the most distinguished positions. In those days few were strong minded enough to defy augury, and in popular belief all were 'servile to skiey influences'. It was contrary to the regulations of the Paris Faculty to lecture on the subject, though at this time the king had in his employ a professional astrologist, Thibault. Shortly after reaching Paris Servetus began a course of lectures on the subject, which very soon brought him into conflict with the authorities.

The admirable practice for the Dean to write out each year his report, has preserved for us the full details of the procedure against Servetus. Duboulay, in his History of the University of Paris, vol. vi, has extracted the whole affair from the Dean's Commentary, as it is called, of the year. He says that a certain student of medicine, a Spaniard, or as he says, from Navarre, but with a Spanish father, had taught for some days in Paris in 1537 judicial astrology or divination. After having found out that this was condemned by the Doctors of the Faculty, he caused to be printed a certain apology in which he attacked the doctors, and moreover declared that wars and pests and all the affairs of men depended on the heavens and on the stars, and he imposed on the public by confounding true and judicial astrology. The Dean goes on to state that, accompanied by two of his colleagues, he tried to prevent Villanovanus from publishing the apology, and met him leaving the school where he had been making a dissection of the body with a surgeon, and in the presence of several of the scholars, and of two or three doctors, he not only refused to stop the publication, but he threatened the Dean with bitter words.

The Faculty appears to have had some difficulty in getting the authorities to move in the matter. Possibly we may see here the influence of the court astrologer, Thibault. After (4) many attempts, and after appealing to the Theological Faculty and the Congregation of the University, the question was taken up by Parliament. The speeches of counsel for the Faculty, for the University, for Villanovanus, and for the Parliament are given in full. The Parliament decided that the printed apology should be recalled, the booksellers were forbidden to keep them, the lectures on astrology were forbidden, and Villanovanus was urged to treat the Faculty with respect. But on their part they were asked to deal with the offender gently, and in a parental fashion. It is a very interesting trial, and the Dean evidently enjoyed his triumph. He says that he took with him three theologians, two doctors in medicine, the Dean of the Faculty of Canonical Law, and the Procurator-General of the University. The affair was discussed by Parliament with closed doors.

The Apologetica disceptatio pro astrologia, the rarest of the Servetus items, the only copy known being in the Bibliothèque Nationale, is an eight leaf pamphlet, without titlepage, pagination, or printer's name. The friends of the Faculty must have been very successful in their confiscation of the work. Tollin, who discovered the original, has reprinted it (Berlin, 1880). It was not hard for Servetus to cite powerful authorities on his side, and he summons in his defence the great quartette, Plato, Aristotle, Hippocrates, and Galen. A practical star-gazer, he took his own observations, and the pamphlet records an eclipse of Mars by the moon. He must, too, have been a student of the weather, as he speaks of giving in his lectures public predictions which caused great astonishment. The influence of the moon in determining the critical days of diseases, a favourite doctrine of Galen, is fully discussed, and he says that Galen's opinion should be written in letters of gold. He rests content with these great authorities, referring very briefly to one or two minor lights. He scoffs at the well-known bitter attack on divination by Picus.

It took several generations to eradicate completely from the profession a belief in astrology, which lingered well into the seventeenth century. In his *Vulgar Errors*, discussing the

'Canicular' or 'Dog Days', Sir Thomas Browne expresses his [4] opinion of astrology in the most characteristic language. 'Nor do we hereby reject or condemn a sober and regulated Astrology; we hold there is more truth therein than in Astrologers; in some more than many allow, yet in none so much as some pretend. We deny not the influence of the Starres, but often suspect the due application thereof; for though we should affirm that all things were in all things; that heaven were but earth celestified, and earth but heaven terrestrified, or that each part above had an influence upon its divided affinity below; yet how to single out these relations, and duly to apply their actions, is a work oft times to be effected by some revelation, and Cabala from above, rather then any Philosophy, or speculation here below.'

Among the auditors of Servetus was a young man, Pierre Paumier, the Archbishop of Vienne, who appears to have befriended him in Paris, and who a few years later asked him to be his body physician. The astrology trial was settled in March, 1537.

Servetus cannot have been very long a student of medicine, but never lacking in assurance, he came before the world as a [5] medical author in the little treatise on Syrups and their use (Fig. 5). Association with Champier, whom he had helped in an edition of his French Pharmacopoeia, had made him familiar with the subject. The first three chapters are taken up with the views on 'Concoctions' or 'Digestions', of which at that time a series, from the first to the fourth, was recognized. He pleads for a unity of the process, and, as Willis remarks, he makes the very shrewd remark at that day, 'that diseases are only perversions of natural functions and not new entities introduced into the body.' The greater part of the treatise is taken up with theoretical discussions on the opinions of Galen, Hippocrates, and Avicenna. The 'Composition and use of the Syrups' is deferred to the fifth and a concluding (sixth) chapter.

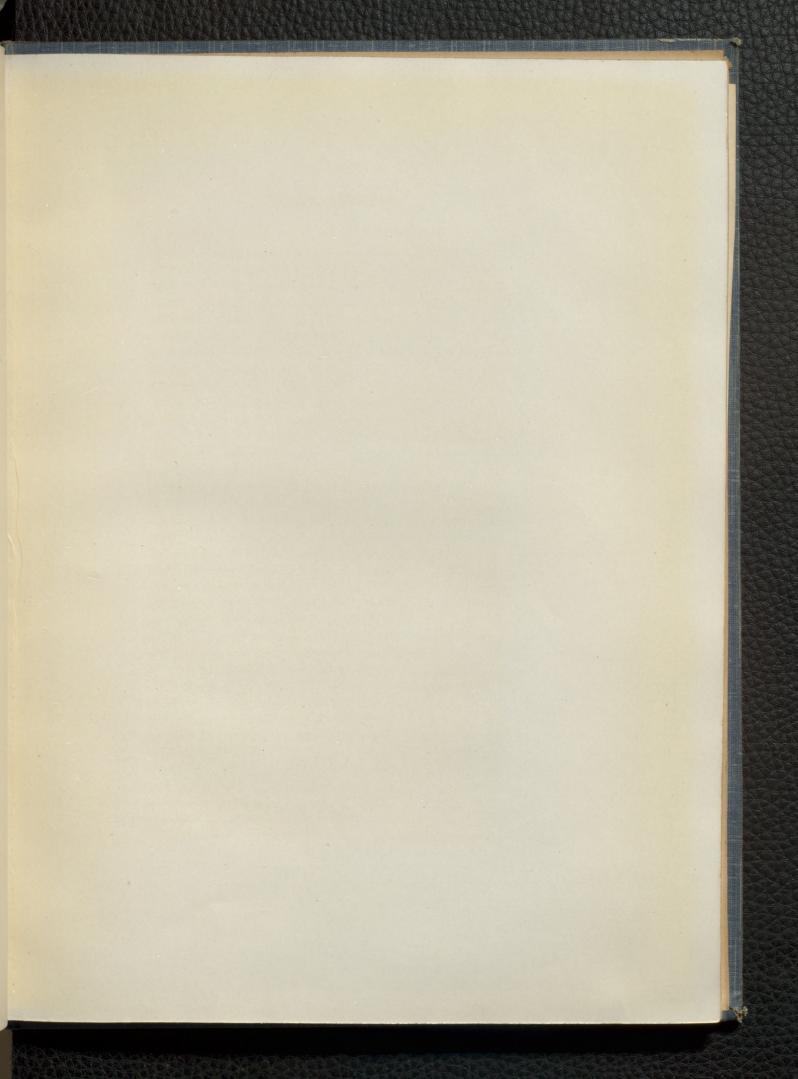
The little book appears to have been popular, and was reprinted twice at Venice, 1545 and 1548, and twice at Lyons, 1546 and 1547.

III

Whether the adverse decision of Parliament disgusted him with Paris, or whether through some friend the opportunity to settle in practice had offered, we next hear of Villeneuve at Charlieu, a small town about twelve miles from Lyons, where he spent a year, or part of the year 1538-9. Here his old Paris friend Paumier sought him and induced him to settle at Vienne, offering him apartments in the palace, and an appointment as his body physician. After nearly ten years of wandering, at last, in a peaceful home in the fine old Roman city, with its good society, and under the protection of the Primate of all France, Servetus spent the next fourteen years as a practising physician.

Few details of his life are known. He retained his association with the Trechsels, the printers, who had set up a branch establishment in Vienne. In 1541 he brought out a new edition of Ptolemy, with a dedication to the Archbishop. From the preface we have a glimpse of a genial group of companions, all interested in the new studies. Several critical items in the edition of 1535 disappear in the new one of 1541, e.g. the scoffing remarks about Palestine; and in mentioning the royal touch, instead of, 'I have myself seen the King touching many with this disease (i.e. Scrofula), but I have not seen that they were cured,' he says, 'I have heard that many were cured.' Perhaps he felt it unbecoming in a member of an ecclesiastical circle, and living under the patronage of the Archbishop, to say anything likely to give offence.

In the following year he issued an edition of Pagnini's Bible in a fine folio (Fig. 6). Its chief interest to us is the testimony that Servetus was still deep in theological studies, for the commentaries in the work place him among the earliest and boldest of the higher critics. The prophetic psalms, and the numerous prophecies in Isaiah and Daniel are interpreted in the light of contemporary events, but as Willis remarks, 'These numerous excessively free and highly heterodox interpretations appear to have lost Villeneuve neither countenance nor favour at Vienne.'



Syruporum vni-

VERSA RATIO, AD GA-

leni censuram diligenter expolita.

cui, post integră de concoctione disceptationem, præscripta est uera purgandi methodus, cum expositione aphorismi: Concocta medicari.

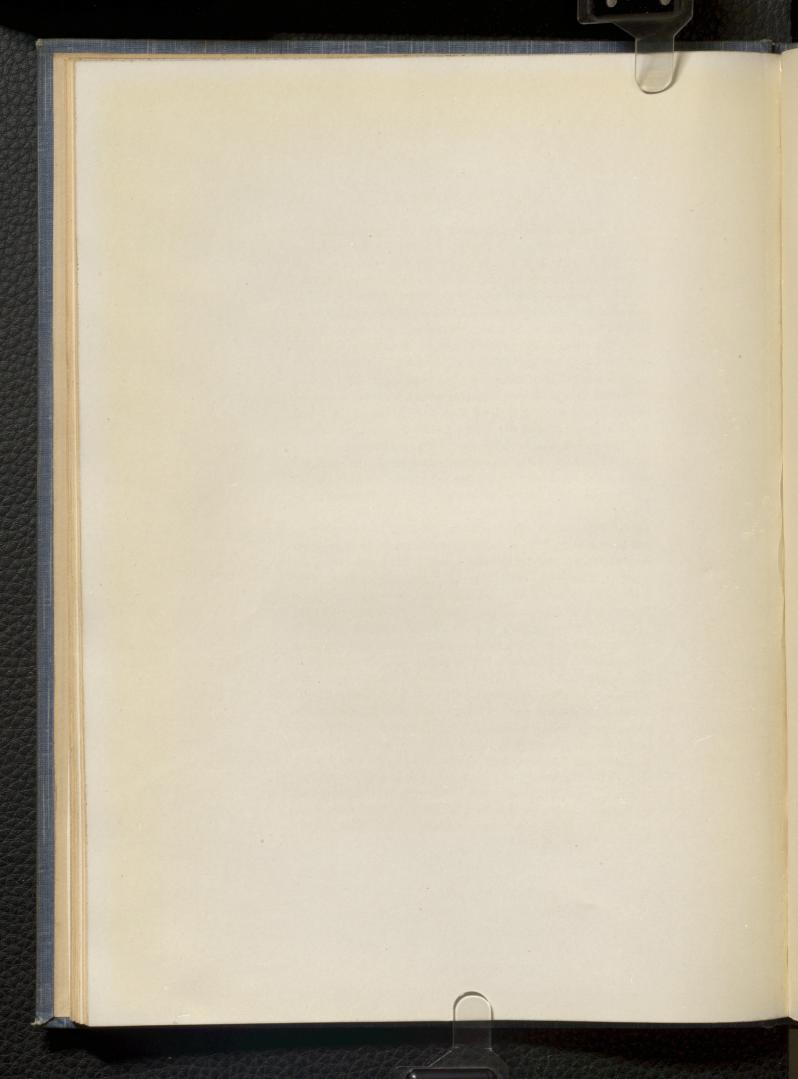
Serveto Michaele Villanouano authore.

Τρός τὸ φιλίατρου. Εύροα ποιήσων τάτεσωματα, τάτε πεπάνων Ωμὰ χυμών, τάυτης δ'όγματα ἴδι βίβλε.

> PARISTIS Ex officina Simonis Colinæi. IS 37



Fig. 6.



For another Lyons' publisher, Frelon, he edited a number [5] of educational works, and through him the Vienne physician was put in correspondence with the Geneva reformer.

A dreamer, an enthusiast, a mystic, Servetus was possessed with the idea that could but the doctrines of the Church be reformed the world could be won to a primitive, simple Christianity. We have already seen his attempt to bring the Swiss Reformers into what he thought correct views upon the Trinity. He now began a correspondence with Calvin on this subject, and on the question of the Sacraments. The letters, which are extant, in tone and contents shocked and disgusted Calvin to such a degree that in a communication to Farel, dated February, 1546, after stating that Servetus had offered to come to Geneva, he adds, 'I will not pledge my faith to him; for did he come if I have any authority here I should never suffer him to go away alive.'

For years Servetus had in preparation the work which he fondly hoped would restore primitive Christianity. Part of a MS. of this he had sent to Calvin. Having tried in vain to get it published, he decided to print it privately at Vienne. Arrangements were made with a local printer, who set up a separate press in a small house, and in a few months 1,000 copies were printed. The title-page here reproduced (Fig. 7) has the date 1553, and on the last page the initials of his name, 'M. S. V.'

He must have known that the work was likely to cause great commotion in the Church, but he hoped that the identity of the author would be as little suspected as that the Vienne physician, Michael Villeneuve, was Michael Servetus of the heretical de Trinitatis Erroribus. Intended for distribution in Germany, Switzerland, and Italy, the work was made up into bales of 100 copies for distribution to the trade. Probably from their mutual friend Frelon Calvin received a couple of copies. The usual story is that through one William Trie as a medium, Calvin denounced Villeneuve to the inquisition at Vienne. This was the view of Servetus himself, and is supported by Willis, Tollin, and others; but advocates of Cal-

[5] vin continue to deny that there is sufficient evidence of his active participation at this stage.

There was at this time at Lyons the well-known inquisitor Orry, who ten years before had brought Etienne Dolet to the stake. No sooner had he got scent of the affair than he undertook the prosecution with his customary zeal, and Servetus was arrested. The preliminary trial at Vienne is chiefly of interest on account of the autobiographical details which Servetus gives. The evidence against him was so overwhelming that he was committed to prison. Surrounded by his friends, who must have been greatly shocked and distressed to find their favourite physician in so terrible a plight, abundantly supplied with money, with the prison discipline very lax as the jailer was his friend, it is not surprising that the day after his commitment Servetus escaped, greatly no doubt to the relief of the Archbishop and the authorities. The inquisitor had to be content with burning an effigy of the heretic with some 500 copies of his work.

From April 7 until the middle of July Servetus disappears from view, and we next meet with him, of all places in the world, at Geneva. Why he should have run this risk has been much discussed, but the explanation given by Guizot is probably the correct one. At that time the Liberals, or 'Libertines', as they were called because of their hostility to Calvin, fully expected to triumph. One of their leaders, Ami Perrin, was first Syndic: a man of their party, Gueroult, who had been banished from Geneva, had been corrector of the press at the time when the Restoration of Christianity was published, and thanks to the influence of his patrons, the Libertines, he had returned to Geneva, and would naturally be the medium between them and Servetus. Taking a comprehensive view of the whole case and the antecedents of all those concerned in it, I am convinced that Servetus, defeated at Vienne, went to Geneva, relying on the support of the Libertines, whilst they on their side expected to obtain efficacious help from him against Calvin.' He seems to have been nearly a month in Geneva before his arrest on the morning of August 14.

2

CHRISTIANI -.

SMI RESTITY,

TIO.

Totius ecclesiæ apostolicæ est ad sua limina vocatio, in integrum restituta cognitione Dei, sidei
Christi, iustissicationis nostræ, regenerationis bapti de
smi, & cænæ domini manducationis. Restituto de
nique nobis regno cælesti, Babylonis impiæ captinitate soluta, & Antichristo cum suis penitus destructo.

M. D. LIII.

Danielis Markos Srent
Ivani TransylvanoHungari.

Londini 1665 die
13 May

Nune Michaelis Almasi

Tuhiro Episcopo dandus

Fig. 7.

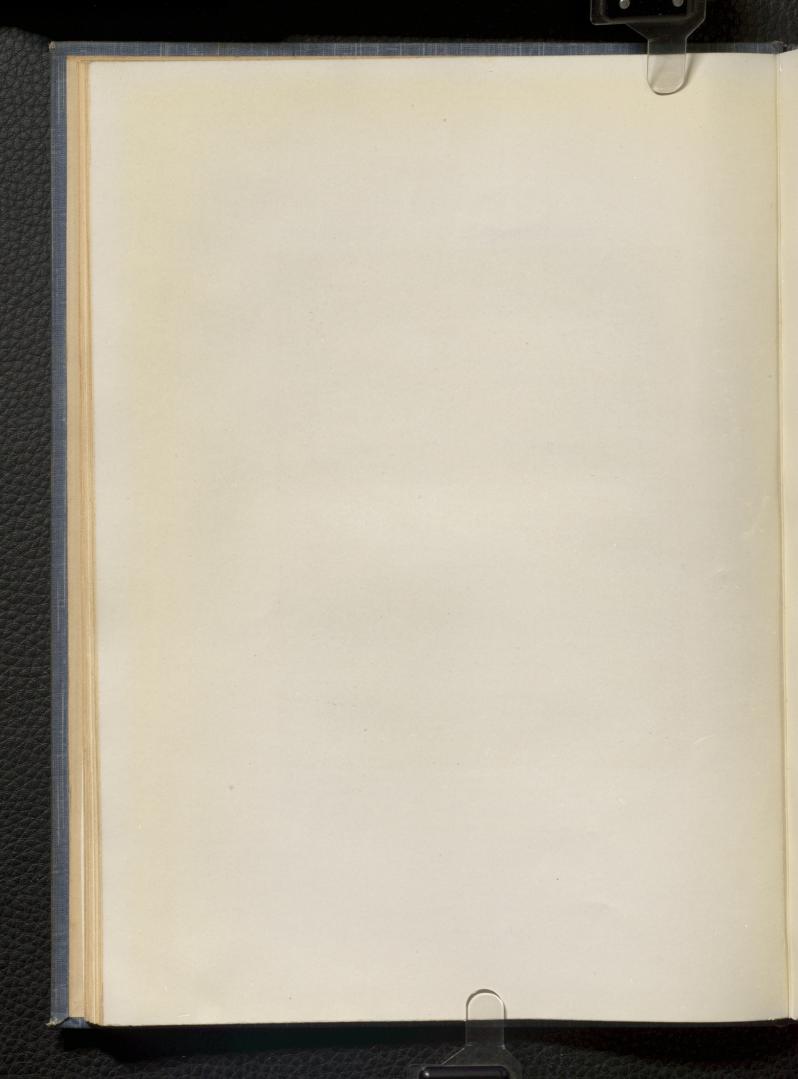
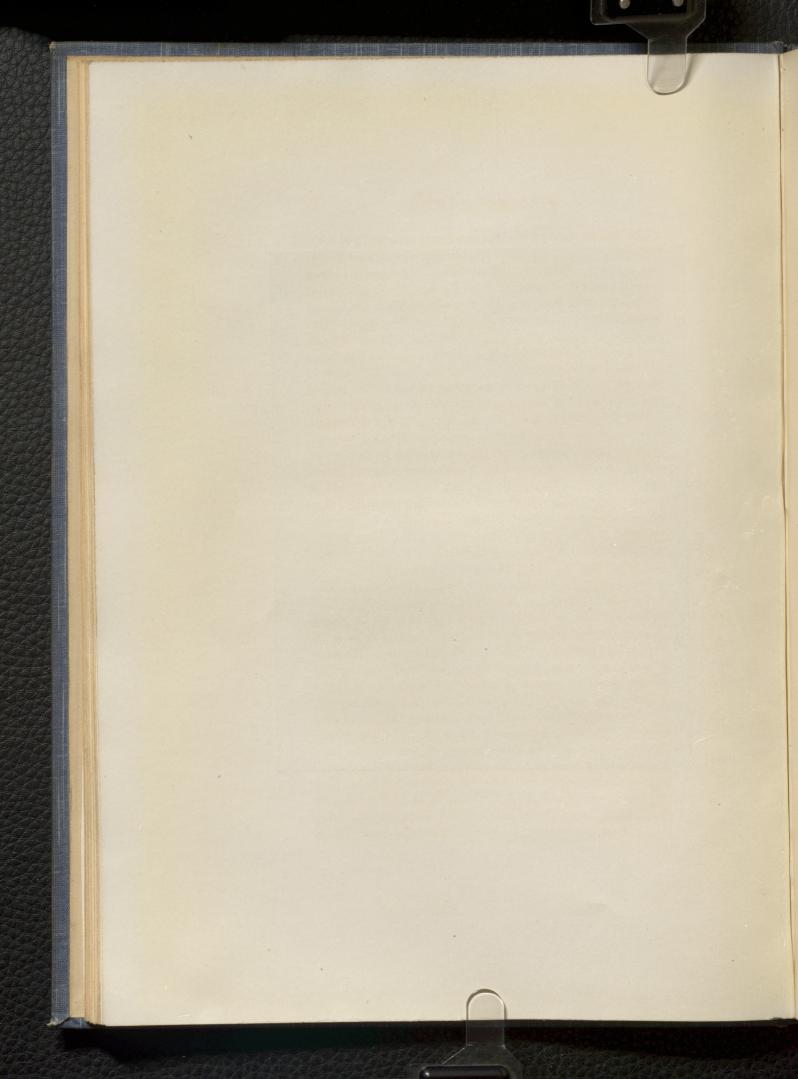




Fig. 8—Servetus in Prison.



The full account of this famous heresy trial has lost much [6] of its interest so far as the doctrinal details are concerned. At this distance, with our modern ideas, the procedure seems very barbarous. Servetus was cruelly treated in prison, and there is a letter from him which speaks of his shocking condition, without proper clothing, and a prey to vermin. Mademoiselle Roch has well depicted this phase of the martyr's career in her fine statue which has been erected at Anamnese, and which is here reproduced (Fig. 8). The full report of the trial may be followed in the account given by Willis, and the 'Procès-Verbal' was in existence at Geneva in manuscript.

One thing seems clear, that while at first the accusations were largely concerned with the heretical views of Servetus, later the public prosecutor laid more stress upon the political side of the case, accusing him of conspiracy with the Libertines. The trial divided Geneva into hostile camps, and it sometimes looked as though Calvin, quite as much as Servetus, was on trial. To strengthen their hands the clerical party appealed to the Swiss churches. The answer, strong enough in condemning the heresy and blasphemy, refrained from specifying the kind of punishment.

Accustomed in France to hear the Swiss Reformers branded as the worst type of heretics, Servetus appears never to have understood why he should not have been received with open arms by the Protestants, whose one desire was the same as his own, the restoration of primitive faith and practice. He made a brave fight, and brought strong countercharges against Calvin, whom he accused specifically of causing his arrest at Vienne. He offered to discuss the questions at issue publicly. an offer which Calvin would have accepted had the syndics allowed. The whole city was in a ferment, and Sunday after Sunday Calvin and the other pastors thundered from their pulpits against the blasphemies of the Spaniard. After dragging its weary length for nearly two months, the public feeling veered strongly to the side of Calvin, and on October 27 the Council, by a majority vote, resolved that in consideration of his great errors and blasphemies, the prisoner should be burnt alive.

[6] Servetus appears to have been a curious compound of audacity and guilelessness. The announcement of the condemnation appears to have completely stunned him, as he seems never to have considered its possibility. He sent for Calvin and asked his pardon, but there was bitterness in the heart of the great reformer whose account of the interview is

not very pleasant reading.

On the morning of the 27th, the Tribunal assembled before the porch of the Hôtel de Ville to read to the prisoner his formal condemnation, under ten separate heads, the two most important of which relate to the doctrine of the Trinity, and Infant Baptism. It is curious that under one of the headings he should be denounced as an arrogant innovator, and an inventor of heresies against Popery! The entreaty of Servetus for a more merciful mode of death (for which, to his credit, be it said, Calvin also pleaded) was in vain. The procession at once formed to the place of execution.

Nothing in his life, it may be said, became him like the leaving of it. As Guizot remarks, 'The dignity of the philosopher triumphed over the weakness of the man, and Servetus died heroically and calmly at that stake the very thought of

which had at first filled him with terror.'

There will be dedicated next year at Vienne a monument commemorating the services of Servetus as an independent

spirit in theology, and as a pioneer in physiology.

It has been said that Sappho survives because we sing her songs, and Aeschylus because we read his plays, but it would be difficult to explain the widespread interest in Servetus from any knowledge men have of his writings. The pathos of his fate, which scandalized Gibbon more profoundly than all the human hecatombs of Spain or Portugal, accounts for it in part. Then there is the limited circle of those who regard him as a martyr to the Unitarian confession; while scientific men have a very definite interest in him as one of the first to make a substantial contribution to our knowledge of the circulation of the blood. His theological and physiological views call for brief comments.

IV

Next to theology itself the study of medicine has been a [6] great heresy breeder. From the days of Arnold of Villanova and Pierre of Abano, there have been noted heretics in our ranks. Bossuet defines a heretic as 'One who has opinions'. Servetus seems to have been charged with opinions like a Leyden jar. His most notable ones concerned the Trinity and Infant Baptism. Wracked almost to destruction in the third and fourth centuries on the subject of the Trinity, the final conquest of Arianism found its expression in that magnificent human document the Athanasian Creed, with which the Catholic Church has for ever settled the question, in language which sends a cold shudder down the backs of heretics. But there have always been turbulent souls who could not rest satisfied, and who would bring up unpleasant points from the Bible-men who were not able to accept Dante's wise advice: - Mad is he who hopes that our reason can traverse the [7] infinite way which one Substance as Three Persons holds. Be content oh human race with the Quia'.

The doctrine has been a great breeding ground of heretics, the smoke of whose burning has been a sweet savour in the nostrils alike of Catholics and Protestants. Even to-day, so deeply ingrained is the catholic creed, that nearly everything in the way of doctrinal vagary is forgiven save denial of the Trinity, which is thought to put a man outside the pale of normal Christianity. If this is the feeling to-day, imagine what it must have been in the middle of the sixteenth century!

Servetus wrote two theological works—de Trinitatis Erroribus, published in 1531, followed by a supplement in 1532. To these I have already referred. Living a double life at Vienne, to the inhabitants he was the careful and kind practitioner of medicine, to whom they had become devoted, but all the while, nourishing the dream of his youth, he had in preparation a work which he believed would win the world to Christ by purifying the Church from grave errors in doctrine.

I have already spoken of the printing of the Christianismi Restitutio. Mainly concerned with most abstruse questions

[7] concerning the Trinity and Infant Baptism, it is a most difficult work to read, and, as theologians confess, a still more difficult one to understand. Professor Emerton, in his article from which I have already quoted, gives in a few paragraphs the essence of his views. 'He finds the central fact of Christion speculation, not in the doctrine of the Trinity as formulated by the schools, but in the fact of the divine incarnation in the person of Jesus. He admits the divine birth, explaining it as in harmony with a general law of divine manifestation whereby the spiritual is revealed in the material. He would not accept the idea of an eternal sonship, except in this sense, that the divine Word, the Logos, had always been active as the expression in outward form of the divine activity. So, in the fullness of time, this same Logos produced a being from a human mother upon whom at the moment of his birth the divine Spirit was breathed. Obviously this is not the "eternal Son" of the creeds, and herein lay the special theological crime of Servetus. In his criticism of the church order, of the papal government, of the sacramental system, he does not differ essentially from the more radical of the reformers. On the essential matters of baptism and the Eucharist he goes quite beyond the established reforming churches. In both cases he invokes the principle of plain reason. He rejects Infant Baptism on the ground that the infant can have no faith, and that the practice is therefore mere incantation. He denies transubstantiation on the rational basis that substances and accidents may not be separated, and does not spare the reforming leaders for what seemed to him their half-hearted attitude on this point. His language throughout is harsh and violent, except where, as at the close of his chapters, he passes over into the forms of devotion and closes his diatribes with prayers of great beauty and spirituality.'

The Christian Church early found out that there was only one safe way of dealing with heresy. From the end of the fourth century, when the habit began, to its climax on St. Bartholomew's Day, it was universally recognized that only dead heretics ceased to be troublesome. History affords ample

evidence of the efficacy of repressive measures, often carried [7] out on a scale of noble proportions. France is Catholic because of a root and branch policy; England's Protestantism is an enduring testimony to the thoroughness with which Henry VIII carried out his measures. As De Foe says in his famous pamphlet, Shortest way with Dissenters, if a man is obstinate and persists in having an opinion of his own, contrary to that held by a majority of his fellows, and if the opinion is pernicious and jeopardizes his eternal salvation, it is much safer to burn him than to allow his doctrines to spread! For 1,200 years this policy kept heresy within narrow limits until the great outbreak. The very best men of the day were consenting to the death of heretics. The spirit of Protestantism was against it; Luther nobly so. Judged by his age Servetus was a rank heretic, and as deserving of death as any ever tied to a stake. We can scarcely call him a martyr of the Church .-What Church would own him? All the same, we honour his memory as a martyr to the truth as he saw it.

Servetus was a student of medicine in Paris with Sylvius and Guinther, two of the most ardent of the revivers of the Galenic anatomy. More important still, he was a fellow student and pro-sector with Vesalius. He wrote one little medical book of no special merit. The works which he edited, which brought him more money than fame, indicate an independent and critical spirit. Vienne was a small town, in which we cannot think there was any scientific stimulus, though it was in a region noted for its intellectual activity.

In possession of a fact in physiology of the very first moment, Servetus described it with extraordinary clearness and accuracy. But so little did he think of the discovery, of so trifling importance did it appear in comparison with the great task in hand of restoring Christianity, that he used it simply as an illustration when discussing the nature of the Holy Spirit in his work *Christianismi Restitutio*. The discovery was nothing less than that of the passage of the blood from the right side of the heart to the left through the lungs, what is known as pulmonary, or lesser circulation.

[7] In the year 1553 the views of Galen everywhere prevailed. The great master had indeed effected a revolution in the knowledge of the circulation almost as great as that made by Harvey in the seventeenth century. Briefly stated there were two bloods, the natural and the vital, in two practically closed systems, the veins and the arteries. The liver was the central organ of the venous system, the 'shop' as Burton calls it, in which the chylus was converted into blood and from which it was distributed by the veins to all parts of the body for nourishment. The veins were rather vessels containing the blood than tubes for its transmission—irrigating canals Galen called them. Galen knew the structure of the heart, the arrangement of its valves, and the direction in which the blood passed, but its chief function was not, as we suppose, mechanical, but in the left ventricle, the seat of life, the vital spirits

181 were generated, being a mixture of inspired air and blood. By an alternate movement of dilatation and collapse of the arteries the blood with the vital spirits were kept in constant motion.2 Galen had demonstrated that the arteries and the veins communicated with each other at the periphery. A small quantity of the blood went, he believed, from the right side of the heart to the lungs, for their nourishment, and in this way passed to the left side of the heart; but the chief communication between the two systems was through pores in the ventricular septum, the thick muscular wall separating the two chief

chambers of the heart.

The literature may be searched in vain for any other than the Galenic view up to 1553. Even Vesalius, who could not

² So firmly entrenched was the Galenic physiology that the new views of Harvey made at first very slow progress. In Burton's Anatomy of Melancholy, which is a sort of epitome of medical knowledge of the seventeenth century, is the following description: 'The left creek (i. e. ventricle) has the form of a cone, and is the seat of life, which, as a torch doth oil, draws blood unto it begetting of it spirits and fire, and as a fire in a torch so are spirits in the blood; and by that great artery called aorta, it sends vital spirits over the body, and takes air from the lungs.'

understand from its structure how even the smallest quantity [8] of blood could pass through the septum dividing the ventricles, offered no other explanation. The more one knows of the Galenic physiology, the less one is surprised that it had so captivated the minds of men. The description of the new way which Servetus describes is found in the fifth book of the Christianismi Restitutio, in which he is discussing the nature of the Holy Spirit. After mentioning the threefold spirit of the body of man, natural, vital, and animal, he goes on to discuss the vital spirit, and in a few paragraphs describes the pulmonary circulation. 'Rightly to understand the question here, the first thing to be considered is the substantial generation of the vital spirit—a compound of the inspired air with the most subtle portion of the blood. The vital spirit has, therefore, its source in the left ventricle of the heart, the lungs aiding most essentially in its production. It is a fine attenuated spirit, elaborated by the power of heat, of a crimson colour and fiery potency—the lucid vapour as it were of the blood, substantially composed of water, air, and fire; for it is engendered, as said, by the mingling of the inspired air with the more subtle portion of the blood which the right ventricle of the heart communicates to the left. This communication, however, does not take place through the septum, partition, or midwall of the heart, as commonly believed, but by another admirable contrivance, the blood being transmitted from the pulmonary artery to the pulmonary vein, by a lengthened passage through the lungs, in the course of which it is elaborated and becomes of a crimson colour. Mingled with the inspired air in this passage, and freed from fuliginous vapours by the act of expiration, the mixture being now complete in every respect, and the blood become fit dwelling-place of the vital spirit, it is finally attracted by the diastole, and reaches the left ventricle of the heart.

'Now that the communication and elaboration take place in the lungs in the manner described, we are assured by the conjunctions and communications of the pulmonary artery with the pulmonary vein. The great size of the pulmonary (8) artery seems of itself to declare how the matter stands; for this vessel would neither have been of such a size as it is, nor would such a force of the purest blood have been sent through it to the lungs for their nutrition only; neither would the heart have supplied the lungs in such fashion, seeing as we do that the lungs in the foetus are nourished from another source—those membranes or valves of the heart not coming into play until the hour of birth, as Galen teaches. The blood must consequently be poured in such large measures at the moment of birth from the heart to the lungs for another purpose than the nourishment of those organs. Moreover, it is not simply air, but air mingled with blood that is returned from the lungs to the heart by the pulmonary veins.

'It is in the lungs, consequently, that the mixture (of the inspired air with the blood) takes place, and it is in the lungs also, not in the heart, that the crimson colour of the blood is acquired. There is not indeed capacity of room enough in the left ventricle of the heart for so great and important an elaboration, neither does it seem competent to produce the crimson colour. To conclude, the septum or middle portion of the heart, seeing that it is without vessels and special properties, is not fitted to permit and accomplish the communication and elaboration in question, although it may be that some transudation takes place through it. It is by a mechanism similar to that by which the transfusion from the vena portae to the vena cava takes place in the liver, in respect of the blood, that the transfusion from the pulmonary artery to the pulmonary vein takes place in the lungs, in respect of the spirit' (Willis's translation). I here reproduce from the Vienna example the two pages from which the greater part of this description is taken (Figs. 9 and 10).

The important elements here are: First, the clear statement of the function of the pulmonary artery; secondly, the transmission of the impure or venous blood through the lungs from the right side of the heart to the left; thirdly, the recognition of an elaboration or transformation in the lungs, so that with the freeing the blood of 'fuliginous vapours', there was at the

same time a change to the crimson colour of the arterial blood; [8] fourthly, the direct denial of a communication of the two bloods, by means of orifices in the septum between the ventricles.

He had no idea of the general or systematic circulation, and so far as the left heart and the arteries were concerned he believed them to be the seat of the vital blood and spirits.

It is not hard to imagine how Servetus had become emancipated from the old views. A student at Paris at a most opportune period, when dissection had become popular, he had had as pro-sector to Guinther exceptional opportunities. But more important still, he had as fellow worker the anatomical archheretic, Andreas Vesalius, already imbued with the conviction that his teachers were wrong in regarding Galen as inspired and infallible. It was at this very period that Vesalius had pointed out to his teacher Sylvius the error of Galen about the [9] aortic valves; and when one considers the extraordinary rapidity with which Vesalius reformed human anatomy, before he had completed his twenty-eighth year, it is not surprising that his colleague and co-worker should have discovered one of the great truths of physiology.

The Christianismi Restitutio was never published, and the discovery of Servetus remained unrecognized until the attention of Wotton was called to it by Charles Bernard, a St. Bartholomew's Hospital surgeon. Meanwhile it had been rediscovered, and among the many vagaries with which the history of the circulation of the blood is marked, not the least striking is the attempt to rob Servetus of his credit. In 1559 there was published a work by Realdus Colombo, a student of Vesalius and his successor at Padua, in which the circulation of the blood from the right side of the heart to the left is clearly described. It is impossible to say that he had added anything to the account just given, and the far-fetched view has been maintained that Italian students at Paris had ac-

⁸ William Wotton, Reflections upon ancient and modern learning, 1697, page 229.

^{*} De re Anatomica Venetiis.

[9]

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DE TRINITATE

le, qua nunc audies. Hinc dicitur anima esse in sanguine, & anima ipsa esse sanguis, siue sanguineus spiritus. Non dicitur anima principaliter esse in parietibus cordis, aut in corpore ipso cerebri, aut hepatis, sed in sanguine, vt do-

cet iple Deus genel.9. Leuit. 17.et Deut. 12.

Ad quam rem est prius intelligenda substantialis gene ratioipilus vitalis spiritus, qui exacre inspirato & subd lissimo sanguine coponitur, & nutritur. Vitalis spiritus finistro cordis vetriculo sua origine habet, iunatibus maxime pulmonibus adiptius generationem. Est spiritus te nuis, caloris vi elaboratus, flauo colore ignea potentia, venit qualiex purlori languine lucidus vapor, substantiam in se continensaque acris & ignis Generatur ex factam pulmonlbus mixtione inspirati aeris cii elabo rato subrili sangume, que dextery etriculus cordis sinistro communicat. Fit autem comunicatio hæc, non per pane rem cordis, mediu, ve valgo creditir. Sed magno artificio à dextro cordisventriculo, longo per pulmones ductu, 2 gitatut fanguis subtilistà pulmonibus præparatur, flauus efficitur: & à vena arteriola in arteria venolam transfunditur. Deinde in ipsa arteria venosa inspirato aeri miscetur, & expiratione à suligine repurgatur, Atqueita tandem à siniftro cordis ventreulo totum mixtum per diastolem attrahitur, apta suppellex, vt fiat spiritus

Quod ita per pulmones siat coicatio, & præparatio, do cet coiunctio varia, & coicatio, venæ arteriosæ cu arteria venosa i pulmonibus. Oo sirmat hoc magnitudo inlignis venæ arteriosæ, quæ nec talis, nec tata sacta estet, nec tata a corde ipso vim purissimi sanguinis in pulmones emitte ret, ob solu eoi untrimentum, nec cor pulmonibus hac ratione service præsertim antea in embryone solerent pulmones ipsi aliunde nutriri, ob membranulas illas, seu

Fig. 9.

LIBER V. 171 [9]

valuulas cordis, vica ad horā natiuitatis nodu apertas, ve docer Galenus. Ergo ad alium vsum effunditur sanguis à corde in pulmones hora ipsa nativitatis, & tã copiosus.lte, a pulmonibus ad cor non simplex acr, sed mixtus fanguine mittitur, per arteriam venosam: ergo in pulmonibus fit mixtio. Flauus ille color à pulmonibus datur san guini spirituoso, non à corde. In simstro cordis ventriculo non est loeus capax tantæ & tam copiosæ mixtionis, nec ad flauum elaboratio illa sufficies. Demum, paries ille medius, cum sit vasorum & facultatum expers, non est aptus ad communication & elaboration cillam, licet aliquid re sudare possit. Eodem artificio, quo in hepate sit transsulio a vena porca ad venam cauam propter sanguinem, fit etiam in pulmone transfusio à vena arteriosa ad arteriam venosam propter spiritum. Si quishæc conferac cum is quæ scribit Galenus lib. 6. & 7. de vsu partium, ve ritatem penitus intelliget, ab iplo Galeno non animaduerfam.

Ille itacs spiritus vitalisa sinistro cordis ventriculo in arterias totius corporis deinde transfunditur, ita ve qui te nuior est, superiora petar, vbi magis adhuc elaboratur, præcipue in plexu retiformi, sub basi cerebri sito, in quo ex vitalifieri incipit animalis, ad propriam rationalis animæ sedem accedens. Iterum ille fortius mentis ignea vi tenuatur, elaboratur, & perficitur, in tenuissimis valis, seu capillaribus arterns, quæ in plexibus choroidibus fitæ funt, & ipsissimam mentem continent. Hi plexus intima omnia cerebri penetrant, & ipsos cerebri ventriculos interne fuccingunt, vasa illa secum compli cata, & contexta servantes, vique ad nervorum origines, vtin eos fentiendi & mouendi facultas inducatur. Vasa illa miraculo magno tenuissime contexta, cameth arteriæ dicantur, funt tamen fines arteriarum, renden

[9] quainted Servetus with the views of Colombo. It is claimed for Colombo also that he had a better idea of the function of respiration in the purification of the blood, by its mingling with the air, but Servetus distinctly states that the mixture takes place in the lungs, not, as was usually understood at the time, in the heart itself.

Caesalpinus (1569), for whom elaborate claims are made, also knew of the pulmonary circulation, but he thought part of the blood went through the median septum. A more important claim is made for him of the discovery of the general circulation, but it is remarkable that any one knowing the history of the subject could read into his physiology anything

more than the old Galenic views.

The history of the circulation bristles with controversy and widely divergent opinions are held as to the merits of the different observers. That Servetus first advanced a step beyond [10] Galen, that Colombo and Caesalpinus reached the same conclusion independently—all three recognizing the lesser circulation, is quite as certain as that it remained for Harvey to open an entirely new chapter in physiology, and to introduce modern experimental methods by which the complete circulation of the blood was first clearly demonstrated.⁵

A word about the book Christianismi Restitutio, liber inter rariores longe rarissimus. Only two complete copies are known, one in the Bibliothèque Nationale, Paris, and the other in the Imperial Library, Vienna, from which I was very kindly permitted to have the photographs of the title-page and the pages describing the circulation of the blood which are here reproduced. A third copy, imperfect, with the first sixteen pages in MS., is in the University Library, Edinburgh. The Paris copy is of special interest, as it belonged to Dr. Richard Mead, the distinguished physician and book collector, by whom it was exchanged with M. de Boze for a series of medals. In 1784 it was secured for the Royal Library. It may now be seen in one of the show cases of the Bibliothèque

⁵ John C. Dalton's *History of the Circulation*, 1884, gives by far the best and fullest account of the whole subject in English.

Nationale, of which it is one of the rare treasures. An added [10] interest is in the fact that on the title-page occurs the name 'Germain Colladon', the Geneva barrister, who prosecuted Servetus; and it is in the highest degree probable that this was the identical copy used at the trial. In one place the book is stained, some suppose by moisture; others think it possible this was the very copy bound upon the victim himself, and snatched from the flames by some one who wished to preserve so interesting a record of the great heretic. The question has been examined carefully by the late Professor Laboubene and M. Hahn, the distinguished librarian of the Paris Faculty of Medicine, both of whom are in favour of fire, not moisture, as the cause of the staining.

In 1791 the Vienna copy was reprinted at Nuremberg in facsimile, page for page, but Dr. de Murr, who was responsible for the reprint, very wisely put the date 1791 at the bottom of the last page. Copies of this edition are not uncommon in the larger libraries. In 1723 Mead attempted to have a reprint made from his copy, but when nearly completed the Bishop of London had it suppressed, and (it is stated) the copies were burnt. A few, however, escaped, and Willis says that he saw one in the library of the London Medical Society. I regret to say that the librarian informs me that this no longer is to be found. A copy of the Mead partial reprint is in the Bibliothèque Nationale, and two copies are in the British Museum.

A last word on the attitude of John Calvin towards Servetus. Much scorn has been heaped upon the great reformer, and one cannot but regret that a man of such magnificent achievements should have been dragged into a miserable heresy hunt like a common inquisitor. Let us not estimate him by his century, as his friends plead, but frankly by his life, and as a man of like passions with ourselves. He had bitter provocation. Flouted for years by the persistent assaults of Servetus, and shocked out of all compassion by his blasphemies, is it to be wondered that the old Adam got the better of his Christian charity? Not only is it impossible to acquit Calvin of active

[10] complicity in this unhappy affair, but there was mixed up with it a personal hate, a vindictiveness unbecoming in so great a character, and we may say foreign to it. But let the long record of a self-denying life, devoted in an evil generation to the highest and the best, wipe for all reasonable men this one blot. Let us, if we may judge him at all, do so as a man, not as a demi-god. We cannot defend him, let us not condemn him; let his one grievous fault, even though we may fear he never repented of it, be the shadow which throws into stronger relief the splendid outlines of a noble life. In his defence, the original edition of which I have here, and which is concerned largely with doctrinal questions, not only are there no expressions of regret for the part he played in the tragedy, but the work is filled with insults to his dead enemy, couched in the most vindictive language. On the spot where Servetus was burnt there stands to-day an expiatory monument (Fig. 11), which expresses the spirit of modern Protestantism. On one side is the record of his birth and death, on the other an inscription, of which the following is a translation: 'Duteous and grateful followers of Calvin our great Reformer, yet condemning an error which was that of his age, and strongly attached to liberty of conscience according to the true principles of the Reformation and the Gospel, we have erected this expiatory monument. Oct. 27, 1903.'

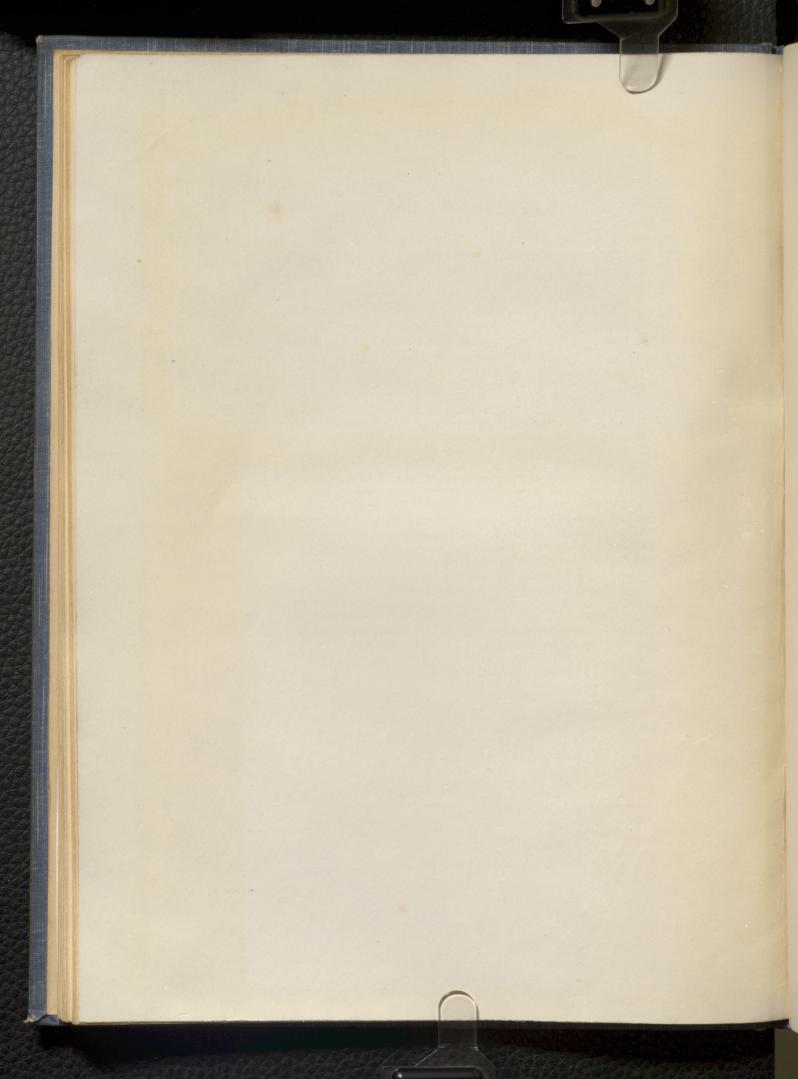
The erection next year at Vienna of a quatercentenary monument will complete the recognition by the modern world of the merits of one of the strangest figures on the rich canvas of the sixteenth century. The wandering Spanish scholar, the stormy disputant, the anatomical pro-sector, the mystic dreamer of a restored Christianity, the discoverer of one of the fundamental facts of physiology, has come at last to his own. There are those, I know, who feel that perhaps more than justice has been done; but in a tragic age Servetus played an unusually tragic part, and the pathos of his fate appeals strongly to us.

These, too, are days of retribution, of the restoration of all

⁶ Defensio Orthodoxae, &c., 1554.



Fig. 11.



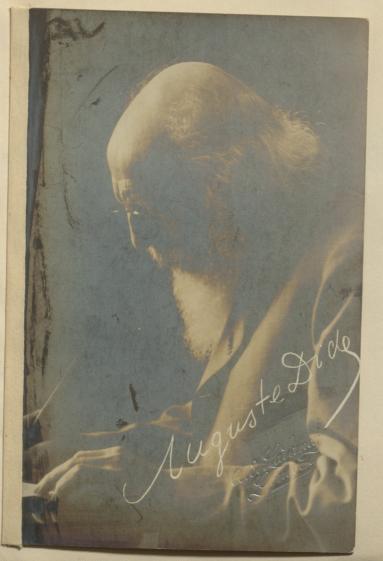
things, the days of the opening of the fifth seal, when the [10] souls under the altar see their blood avenged, when we clothe in the white robes of charity those who were slain for the testimony which they held, little noting whether the martyr was Catholic or Protestant, caring only to honour one of that great company which no man can number, 'whose heroic sufferings,' as Carlyle says, 'rise up melodiously together to heaven out of all lands and out of all time, as a sacred Miserere, their heroic actions also as a boundless everlasting Psalm of Triumph.'

Note.—The Servetus bibliography is fully given to 1890 in Professor A. K. D. Linde's Michael Servetus, Groningen, 1891. My personal interest dates many years back when Pastor Tollin's delightful sketches enlivened the numbers of Virchow's Archives. No one has ever had a more enthusiastic biographer, and to the writings of the Madgeburg clergyman we owe the greater part of our modern knowledge of Servetus. The best account in English [11] is by Willis-Servetus and Calvin, 1877. A German translation of the Christianismi Restitutio by Dr. Bernhard Spiess appeared in 1895 (2nd edition, Wiesbaden, Chr. Limbarth). I am indebted to Professor Harper of Princeton for an historical drama, The Reformer of Geneva, by Professor Shields (privately printed, Princeton University Press, 1897), which gives an admirable picture of Geneva at the time of the trial. From Chéreau's Histoire d'un Livre, 1879, I have 'cribbed' the idea of the introduction. The name of Mosheim must be mentioned, as his writings were for years the common tap from which all Servetus knowledge was derived. The Servetus portrait, of which Mosheim speaks, has disappeared; I have reproduced the engraving from Allworden's Historia (1727), also the Roch statue at Anamnese.

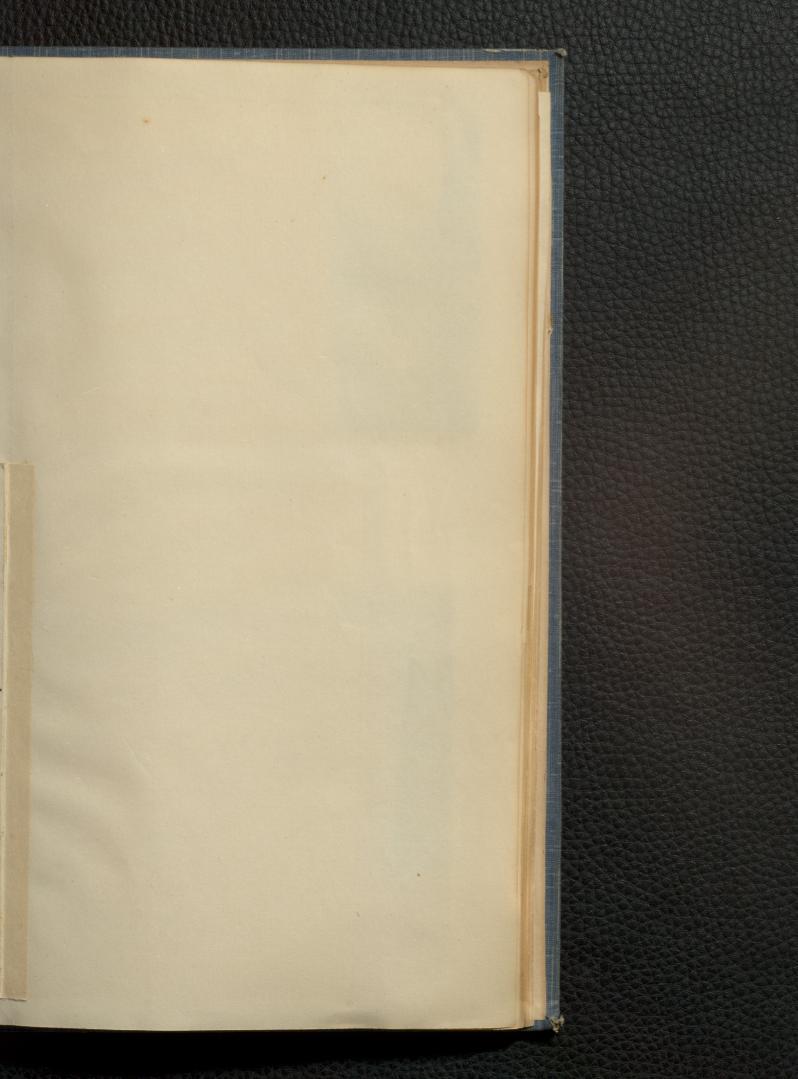
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Br. 0





6 8rue Hornot 78 rue d'assas materiorelle Roc you the address There is just one photos of Level much as after his death. Mille Rock Lucher me to chank you gor your letter -





Dr. Hector Maillart (Juiperland)

Genève, le 9001 1908 go (PLACE DE LA SYNAGOGUE, 6)

LA Médecin adjoint à l'Hopigh Mattona (Place de la Synagogue, 6)

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65. - VIENNE. - La Voie Romaine au Jardin de Ville. (Cliché C. D.) Manchard, éditeur Vienne. En face de l'antrès, l'emplacement du Monamme Mital Servel.



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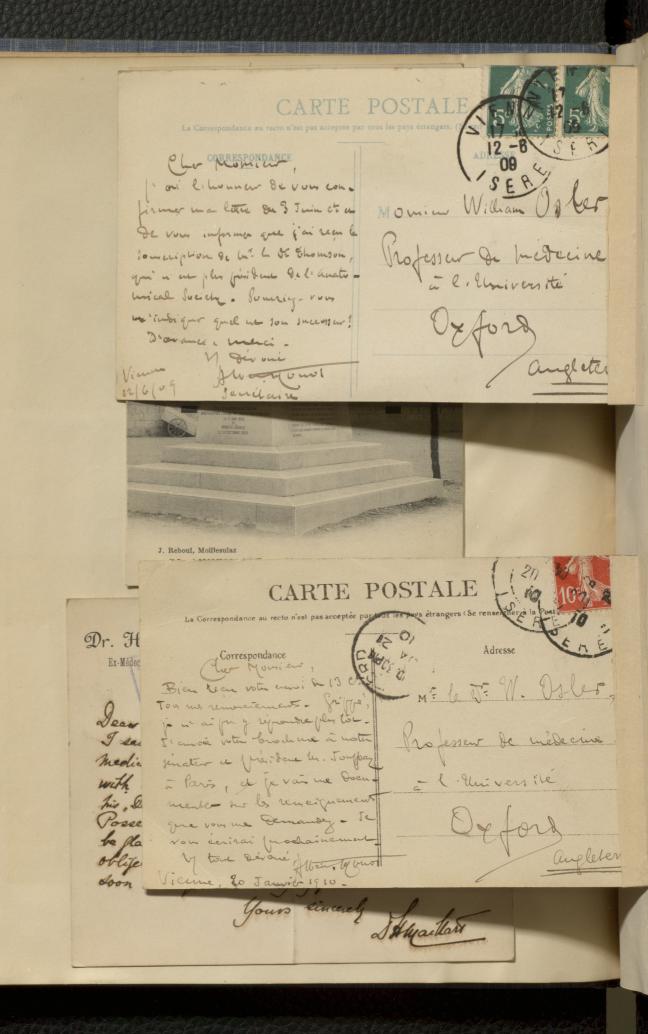
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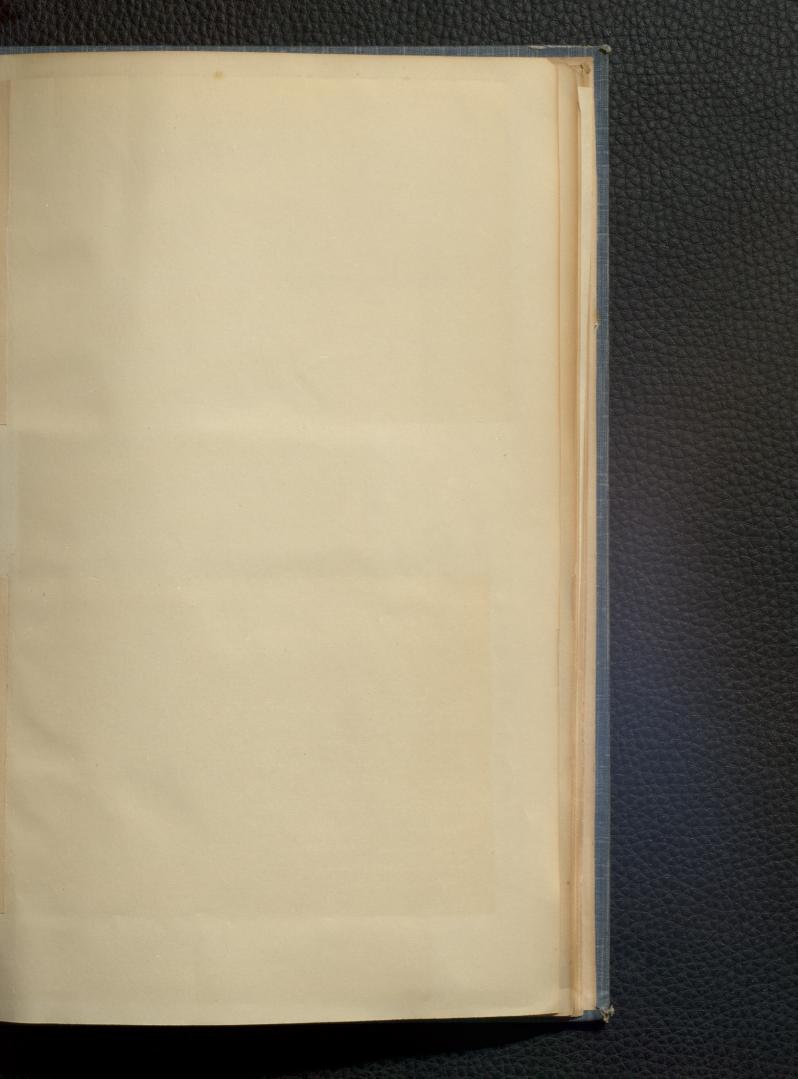
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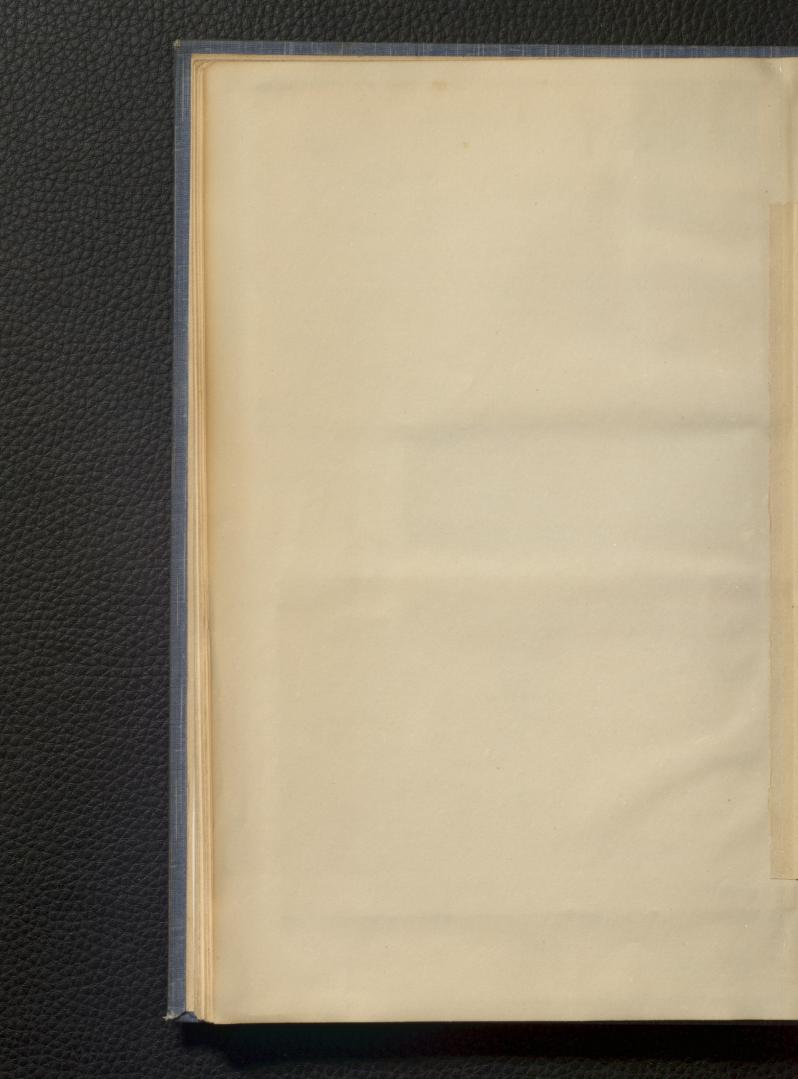
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Vien

London, 68 aurzon str. Marja.

nsieur 1

Profe

Dear Professor Osler, This is what a hear of

Servet's statue in Vienne - I

give 7 on the quotation, it may

Te it will amuse you:

"Il n'za pas-il n'za pas

en core-de statue de Serves à

Vienne. L'année dermire, au mois d'avit, on a inauguré

solement le socle qui

doit portes la statue future. Pous

le moment, c'est tout. La

statue est commandée, l'artiste

y Travaille - mais l'argent manque,

nsieur.

me perm

28 Aoû ssociat ui sign llicite de cet

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otre nom les al Servet. Et ments les plus

vous inserire

er à la cárémon

Dabost, prest

durdon, 68 lungon 5th The Sevrelary of the Kozal Colly tell me you are leaving for Borlin. I do hope I may run to Oxford eithe Refore byones leaving or after your return. I am des poralely tugging as my work in London, passing the licence of the college, which I must get, for I shall only be allowed to sit for the membership conditionally. I have done my papers pretty well, except one frestion, he B.P. preparations of Enefative and lead . Those english Therapeutis are my loss! I did not

COMITÉ Vien du MACRITIMENTO I remain your fuch fully is of I were sure to med you. The Status regues to have Know our of More dear preparations Monsieur 1 except the pil. plumbic. opio! England ien Servet. is devidedly conservative = even in 13 tes médecins, morapentus. I send you enclosed three letters which I would like you to read. one is an official les Comornal of Prof. Landoner (who as ked me to "Le Monsieur, rappeles à votre von souveries) - It represent the school. The second is 33 me perm le sculpteur, from flenard (the inventor of viscoral plosis) lu 28 Aoû It represents the profession (I am his Associat lui sign Colleague in Victy ! The Mind is from ollicite Wrob agr. Monod, and represents the family it do cot ol Servet. Et I dare not bring hem myself to Prof. Shre 1907 I'm Thomas Barlow. What do you Kink of our dema cle que it? It mought that perhaps you would er à la cérémoni consent to hand them over to Six Thomas 4 Mars] Oxford, t en Août 1969, But if you think it is the proper thing to do please wair untill the result of the hience is Known, for it would work so about it I got 31 aucun "ploughed". It will be over by the 14 th

The slatur seems to have Teen wished for by the libre-penseurs, as an anticlerical manifestation, but the prolestant Thought it would be a good diplomatic slep to follow in the mour enew and the celebrated parties Comte made speeches and collections. The leading man is Herriot a Very distinguissed young win ersitaire Who is a cheally the major of Lyons on that occasion he gave a Cecture published in de Propies de Lyon, 11 mars 1907. , in which he spoke Very strongly against Calvin. No photo is to be had get, et pour cause!

COMITÉ

Vienne, le 22 Juin 1908

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MONUMENT

Michel Servet

SECRÉTARIAT :

Hôtel-de-Ville

VIENNE (ISÈRE)

Monsieur le Dr W. OSLER,

Professeur de médecine à l'Université,

OXFORD.

Cher Monsieur,

Voulez-vous me permettre de recourir à votre bienveillante obligeance ?

A la date du 28 Août, j'ai eu l'honneur d'écrire à M. le Président de l'Association Britannique pour le Progrès des Sciences, afin de lui signaler l'OEuvre Viennoise du Monument Michel Servet et solliciter le généreux concours de cette Association en faveur de cette oeuvre de réparation et de justice.

Le 21 Novembre 1907, j'ai écrit également au "Bristisch Médical Journal" pour demander aussi son concours et le prier de publier un article que je lui envoyais en Anglais.

Enfin, le 24 Mars 1908, je me suis adressé à M. le Dr Arthur Thomson, d'Oxford, président de l'Anatomical Society, dans le même but.

Je n'ai reçu aucune réponse, ni d'un côté ni de l'autre, et je ne sais si le "Britisch Méxical" a tenu compte de ma demande.

Vous savez, car il me semble que j'ai déjà eu l'honneur de vous l'écrire, que nous serions très désireux d'associer la généreuse Angleterre, le pays d'Harvey, à l'oeuvre que nous poursuivans. Un admirateur de Servet, M. Alx. Gordon, principal of Missionary College de Manchester, nous a déjà fait parvenir 3 souscriptions de chacune 1.000 Fr. (Sir John Brunner, baronet, MP - Sir Edwin Durning-LaWrence, baronet - Miss Riddel, de Belfast). Sir Bilsland et sir Stevenson, de Galscow, nous ont envoyé chacun 100 Fr. Mais à part vous, la science médicale anglaise n'est pas représentée parmi nos souscripteurs. Or, ce que nous honorons en Michel Servet, c'est, avec le martyr de la li-

Monateur Le Dr W. O S L R R . Professour de méxicoine à l'Université, OXPORD. A 3a date du 28 Actt, j'al en l'honneum c'éorire à il. e President de l'Association Britannique pour le Progres man sociation en faveur de contesposavre de réparation et de justice. Le 21 Novembre 1907, j'ai écrit également au "Brietisch Médical Journal" pour des vider aussi son concours et le prien-Enfin, le 24 Mara 1908, je me suis adressé à M. le fin Arthur Thomson, d'Oxford, président de l'Anatomical Society, Je n'ad reçu aucuna réfonse, ni d'un esté ni de l'autre, et je ne sais at le "Britlach Méxical" a tenu compte de ma demando. Wous saves, car il me semble que j'ai déjà eu l'hosneur de vous l'écrire, que nous serions très désireux d'associer is généreuse: Angleterre, le pays d'Harvey, à l'ocuvre que mons poursuivons. Un admirateur de Servet, M. Alx. Gordon, principal of Missionary College de Manchester, nous a déjà fait parvenir 3 souseriptions de chacure 1.000 Fr. (Sir John, Brunner, barens de chacure le France, barens de chacure de Charles de Charl reget. Air Blistand at eat Scerenson, de Ceis vi ione ont che voyé chacun 100 Fr. Mais à part vous, la sole a médicale an-riales n'est pas représentée parai nou donser teurs. Or, ce nous honorons en blonsi farret, c'est, n'est l'annur du la l

berté de conscience, le savant médecin qui, par son zèle et son dévouement, rendit des services inappréciables aux Viennois du XVIe siècle; c'est le chercheur qui eut, vers le même moment que l'italien Colombo, l'intuition de la découverte qui, quelques années plus tard, devait illustrer votre grand compatriote Harvey. Des hommes comme Servet, Colombo, Harvey, appartiennent à la science universelle, et celui qui, par ses malheurs, par sa fin tragique et son douloureux supplice, mérite la sympathie de tous les penseurs et hommes de science, c'est bien Servet.

Nous serions donc très désireux de voir les médecins, les savants et penseurs anglais s'associer à notre effort. Et c'est pour obtenir leurs adhésions et souscriptions que je me suis permis de solliciter le concours de l'Association Britannique pour le Progrès des Sciences, de l'Anatomical Society et du Britisch Médical.

Connaissant tout l'intérêt que vous portez à notre oeuvre, serait-il indiscret de vous prier d'intervenir auprès des Sociétés scientifiques anglaises et de demander à leurs membres, en notre nom, un concours qui complerait nos voeux tout en nous aidant à réaliser l'oeuvre grandiose conçue par le sculpteur, un jeune artiste de grand talent tout récemment complimenté, à ce propos, par le Ministre des Beaux-Arts?

Nous osons espérer que vous voudrez bien accepter de nous représenter en Angleterre et recevoir en notre nom les souscriptions pour le Monument Viennois de Michel Servet. Et nous vous prions d'avance de croire à nos sentiments les plus reconnaissants.

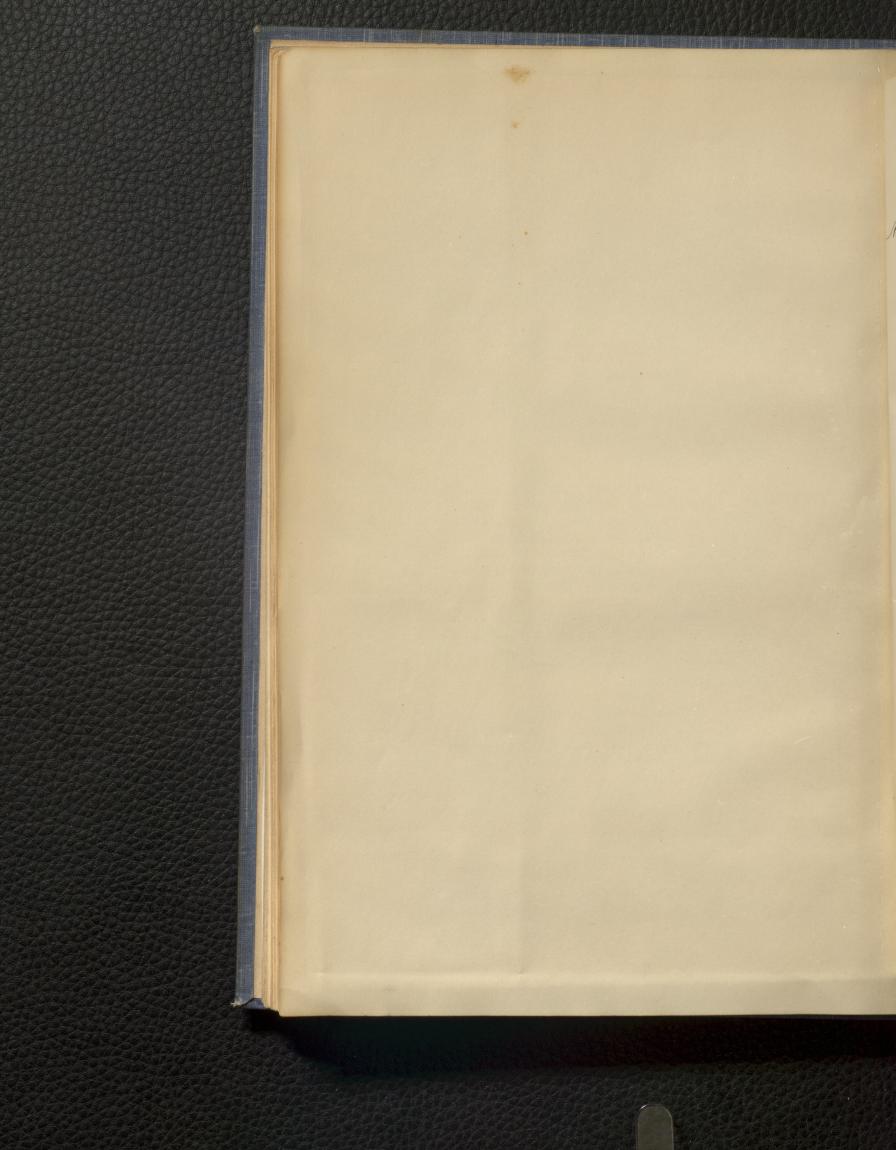
Nous avons d'ailleurs pris la liberté de vous inscrire au nombre des membres du Comité de Patronage et c'est en cette qualité que nous aurons l'honneur de vous inviter à la cérémonie d'inauguration du Monument, qui réunira des personnalités éminentes du monde entier et aura lieu probablement en Août 1909, sous la présidence de notre sénateur M. Antonin Dubost, président du Sénat, et des représentants des Gouvernements Français et Espagnol.

A l'honneur de vous lire et comptant sur une réponse favorable,

Veuillez agréer, Monsieur, avec nos wentiments de vive gratitude, l'assurance de notre considération la plus distinguée.

Pr le Comité, Le Secrétaire,

Hen Mour ...



COMITÉ

du

MONUMENT

Michel Servet

SECRÉTARIAT:

Cher Monsieur,

Je vous suis bien reconnaissant de votre bonne réponse en date du 24 Juin ct. Je ne manquerai pas d'en donner commnication au Comité dès sa prochaine réunion, et vous pouvez être assuré d'avance de sa vive gratitude.

J'ose espérer que vos démarches auprès de l'Association Britannique, du British Médical Journal et de la Société d'Anatomie seront couronnées de succès, car, je le répéte, té d'Anatomie seront couronnées de succès, car, je le répéte, c'est notre voeu le plus cher d'associer la généreuse terre Bri-

Des Etats-Unis, nous n'avons reçu à ce jour que deux souscriptions: celles de M. le Dr Hemmeter, prof. de physiologie souscriptions: celles de M. le Dr Hemmeter, prof. de physiologie à l'Université de Maryland, Baltimore, et de M. le Rév. Ch. W. Wendté, de Boston, secrétaire des Unitariens Américains et du Wendté, de Boston, secrétaire des Unitariens Américains et du Congrès des Religieux Libéraux. Ce dernier a été chargé par le Congrès des Religieux Libéraux. Ce dernier 1907, de recueillir dernier Congrès, tenu à Boston en Septembre 1907, de recueillir les souscriptions pour notre Monument. Décision prise à l'unalimité de 1.800 votants de tous les pays, mais la plupart aménimité de 1.800 votants de tous les pays, mais la plupart aménimité de 1.800 votants de tous les pays, mais la plupart aménimité de 1.800 votants de tous les pays, mais la plupart aménimité de 1.800 votants de tous les pays, mais la plupart aménimité de la les pays de la les pays de la plupart aménimité de la les pays de la plupart aménimité de la les pays de la plupart aménimité de la les pluparts de la les pays de la les pluparts de la

ricains.

Nous acceptons avec le plus grand plaisir votre proposition d'adresser un appel aux journaux médicaux de ce grand pays, et nous vous serons vivement reconnaissants de tout ce que vous voudrez bien faire pour aider à la réalisation de notre oeuvre. vous vous remercions aussi de vos communications à la Lancette Nous vous remercions aussi de vos communications à la Lancette et au Journal Médical Anglais, et espérons qu'elles trouveront et au Journal Médical Anglais, et espérons qu'elles trouveront un écho favorable parmi vos compatriotes, et surtout chez les médecins et hommes de science, mieux en situation que d'autres médecins et hommes de science, mieux en situation que d'autres pour apprécier les mérites du grand martyr que nous honorons.

J'ai dù vous dire que l'inauguration aurait lieu en 1909, probablement en Août. Nous avons l'espoir que vous voudrez biem nous faire l'honneur d'y assister et nous vous adresserons d'nous faire l'honneur d'y assister et nous vous adresserons d'ailleurs une invitation spéciale quand le moment sera venu.

Cher Monsieur, en date du 24 Juin ct. Je ne manquerai pas d'en estion au Comité dès sa prochaine réunion, et vo assuré d'avance de sa vive gratitude. J'ose espérer que vos démarches supr clation Britannique, du British Médical Journal té d'Anatomie seront couronnées de succès, car, c'est notre voeu le plus dier d'assecter la géné Des Mtats-Unis, nous n'avens reçu à ce je souscriptions : celles de M. le Dr Hemaster, prot à l'Université de Maryland, Baltdmore, et de M. à l'Université de Maryland, Baltdmore, et de M. Wendté, de Boston, secrétaire des Unitariens Am. Congrès des Religieux Libéraux. Ce dernier a éte dernier Congrès, tenu à Boston en Septembre 190' dernier Congrès, tenu à Boston en Septembre 190' les souscriptions pour notre Monument. Décision printité de l'200 votents de tous les pays, mais nimité de 1.800 votants de tous les pays, mais ricains. un écho favorable parmi vos compatriotes, et au médecine et hommes de science, misux en situati pour apprécier les mérites du grand martyr que T'at dù vous dire que l'inauguration aur

A l'honneur de vous lire, Véuillez croire, cher Monsieur, à nos sentiments les plus reconnaissants.

Le Secrétaire, A l'honneur de vous lire, Veuillez croire, cher Monsieur, à nos sent reconnaissants. Le Secrétaire;

COMITÉ

Vienne, le 4 Juin 1909

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MONUMENT

Michel Servet

SECRÉTARIAT :

Hôtel-de-Ville

VIENNE (ISÈRE)

Cher Monsieur,

Permettez-moi de rappeler notre oeuvre à votre bon souvenir. Je suis inquiet d'être depuis si longtemps privé de vos nouvelles, surtout maintenant que nous avons tant besoin de votre précieux concours.

Les travaux d'érection du Monument sont commengés; les statues sont prêtes et seront amenées de Paris vers le commencement de Juillet. Le Monument sera placé dans le Jardin de Ville, sur une pelouse bordée par une ancienne voie romaine, fort bien conservée, et une colonne rappelant le séjour de l'empreur Constantin, à peu de distance du Rhône, dans un cadre magnifique.

Nous comptons que vous voudrez bien nous faire l'honneur d'assister à la cérémonie d'inauguration. Et nous vous rappelons aussi que vous nous avez promis d'intéresser à notre oeuvre vos compatriotes.

Veuillez excuser notre insistance. Mais votre lettre de Septembre 1908 nous laissait espérer que vous trouveriez beaucoup d'argent en Angleterre et en Amérique. Et, comptant sur votre concours, nous avons permis au sculpteur d'augmenter les proportions de son oeuvre, ce qui a augmenté proportionnellement les frais d'exécution. Sans cela, si nous n'avions pas mis notre espoir en vous, nous aurions réduit la dépense au strict nécessaire; et maintenant, si les concours attendus nous font défaut, nous serons fort embarrassés.

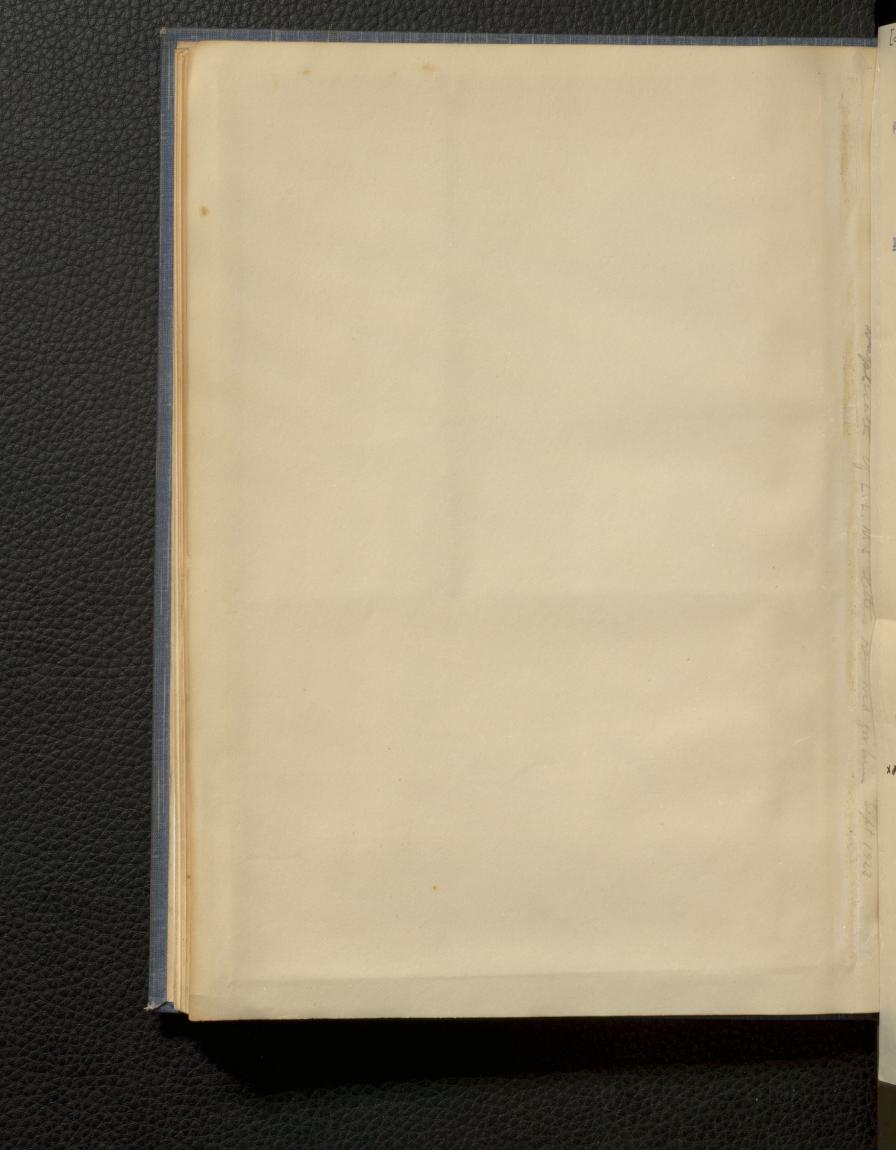
Vous voyez que je vous parle sans détours, avec la plus entière franchise. Vous apprécierez cette franchise. J'ai mis toute ma confiance, tout mon espoir en vous, et, têtu comme un montagnand du Dauphiné, je persévère dans ma confiance et j'attends de vos bonnes nouvelles, convaincu que mon attente ne sera pas déçue et que vous justifierez mon espoir.

J'ose donc espérer une prompte et bonne réponse. D'avance je vous en remercie et vous prie de croire, cher Monsieur, à mes sentiments les plus dévoués.

Hu. Monos

SHIMENT MICHEL

of the conatomical



[Extr. fr. letter of f. L. Marekall, 25.7.15.]

Some notes for a new edition of Osler's "Servetus" 1909.

The above was reprinted in Johns Hopkins Hespital Bulletin for Jan. 1910 & translated in Deutsche Revue for Dec. 1909. It was reviewed by Rev. Alex. Gordon, a great ### authority on Servetus, in "The Christian Life" (21909-19 The vernet seen it) of Gordon's fine article on Servetus in the Encycl. Brit. Gordon called my attention to Spanish works on S. by P. Gener 1909 & 1911, and S. Pey-Ordeix 1911 which upset previous accounts of S's parentage &c.I have not yet seen them. Gordon now questions the Servetus letter from Louvain relied on in his 1910 address "The Personality of Michael Servetus" (Manchester) and in his article in Encycl. Brit. I have long been working on the bibliographical history of the Christianism Restitutio, and found out much that is new, or forgotten.

Notes on Osler's "Servetus" 1909

Frontispiece (from Allwoerden 1728) of Servetus, after van Sichem. Gordon's pamphlet 1910 has a frontispiece which he says (reverse of title-page and p. 5) is a facsimile of the "first issue of the original engraving" in the B. M. copy of "Grouwelen der voornaemsten Hooft-Ketteren", Leyden 1607" small 8vo. I have seen this copy published by Henrick van Haestens, who published a German edition in 1608; and I have seen also his 1608 ed. of "Apocalypsis insignium Haeresiarcharum"&c. (of which I have John Davies's English translation"Apocalypsis; Or, The Revelation Of certain notorious Advancers of Heresie... London 1655" led., also the 3ed. 1671: -- I gave you a copy of an ed. bound with Alex.Ross's "Pansebeia, or View of All Religions in the World.") v.d. Linde(p.321) says Haestens published also "Speculum anabaptisti furoris. 1608" and "De voornaemste Hooft-Ketteren ... na 'tleven ("from life"!) 1608". These little books issued by Haestens are all similar, and their illustrations may have been printed from the same plates; but I now find that these heads seem to be simply taken (often reversed) out of van Sichem's larger copper-plates as given in Iconica & Historica Descriptio Praecipuorum Haeresiarch chorum ... Per C. V. S. Arnhemy . Apud Ioan . Iansonium Bibliop , &c. 1609 ; Folio -- which I own . Here the plate of Servetus (#4, measuring 160 x 113 mm.) is just like that in Allwoerden (& Osler, cf. also frontispiece to Mosheim 1748) but far finer in every respect. This large plate is evidently identical with that in the German ed. of van Sichem ("Historische Beschreibung und Abbildung der fürnembsten Haupt-Ketzer. Durch C.S.V.A., zu Amsterdam, bey Cornelis Niclauss Buchhandler 1608 folio -which I have not yet seen. of . Nagler, Kunsteer Lexicon 16,346, and catalogue "Bibliothek J. K. F. Knaake III"#975, Leipzig, Oswald Weigel, Febr. 1907, where by mistake size of Servetus engraving given as "160 x 143"), and this German ed. may have been preceded by a similar Dutch issue in 1607 cf. Allwoerden p. 148f. To be sure the 1607 Dutch Servetus text as quoted by and Mosheim 1848 p.242. Allwoerden does not agree with the Latin text of my 1609 issue, but the Apocalypsis 1608 is only an extract from that (Allwoerden) Dutch text, which, as I suggest, may have accompanied the original issue of the large copper-plates of van Sichem. This latter would then be the original source of the Grouwelen, Apocalypsis, Speculum &c.cf. v.d. Linde p. 321. For these reasons Osler's present frontispiece should be replaced by a photo.of the original much finer large plate by van Sichem (e.g. from "Icon. & Hist. Descriptio")

Osler p.6 Tollin's theory that Servetus & Luther met was exploded by <u>Trechsel</u> in Theologisch Studeen & Kritiken (Gotha) for 1881 p.669fg.(cf.317-350 by Knaake, and 1878 p.498)cf.also Trechsel's "M.Servet" 1839 p.57 n.3.

p.6 fig.3 is the counterfeit reprint and therefore worthless.cf.Brunet's Manuel s.v.Servetus
p.10 line 9 read:-"In Leonardum Fuchsium Apologia.Autore Michaele Villanouano.1536" (as
in Encycl.Br.24,686).Gordon at last succeeded in discovering 2 copies, one of which I
later(independently!)saw in Dr.Williams's Library(cf.their_Catalogue vol.III 1870 p.287—
shown me by their Librarian) cf.also Murr's Adnotationes ad Bibliothecas Hallerianas
1805 p.60, and Mosheim 1748 p.72f.

p.16 fig.7 translate Hungarian inscription

p.18 Guizot's theory seems untenable. Colladon himself writes that Servetus:-"este

prins en ceste ville ou il pensoit passer comme un homme incognu"--(C's preface
f.xxiiib. to his translation 1560 of Beza's De Haereticis, as quoted by F.Buisson(Seb.

Castellion 1892 II,20n.1) who adds:-"declaration qu'il n'est pas inutile de rappeler
aux historiens trop ingenieux qui ont voulu présenter Servet comme l'organisateur d'un
grand complet contre Calvin."

* You page not refer to the Oxford ed. of w. 0.'s Serveties

2 Broshing

SERVETUS #2)

p.32

p.32

p. 33 line 4

p.35 note

母亲并告告

Osler p.18 the definitive account of the Proces-Verbal" of Servetus is in Calvin's Opera VIII
as stated in Encycl. 3r.

p.30 n. Wotton 2ed.1697 p.229.230 already in led.1694 p.211-cf.v.d.Linde 279

but the 2ed.has the additional preface refering to the MS.used. 6. V. xxv

for History read: Doctrines, Philadelphia 1884.

p.32 line 9 on Edinburgh copy of Christ.Rest.cf.Willis in Athenaeum Apr.27,1878 p.541 cf.also Encycl.Br.

p.677fg.678f.(Nov.26,1887)reprinted also in "Jos.Alex.Laboulbene(1825-98)
par Louis Beurnier & Pierre Cambours(Paris 1901)5.291f.--almost unknown!

von Murr's reprint of the Chr. Rest. is dated 1790 not 1791.

this copy of the English reprint was soon afound again. I have examined it.

read A.v.d.Linde & Allwoerden 1828(cf.date at end!)

Spiess's translation Wiederherstellung des Christentums appeared: I 1892, II 1895, III 1896. I 2. Aufl. 1895 being a mere "Titelauflage" i.e. old sheets with a new title-page but Spiess omitted a Preface issued with the book at first and explaining why he translated it. I & II translate only pp. 1-576 of the Christ. Rest., and III merely reprints pp. 671-734 in Latin, as in your copy.

Refer to Gordon's excellent critical list of authorities in Encycl. Br. 24,686, and to complete list of Tollin's many scattered essays in his amorphous "Geschichte der Französischen Colonie von Magdeburg.". Band III. Abteilung 1.A. (Magdeburg. Verlag der Faber'schen Buchdruckerei, 1892) p. 490fg. and see also "Pour Michel Servet" by Les Publications relatives à Michel Servet par Th. Claparède. Prix 15 centimes. Genève, Imprimerie Paul Richter, 1902" p. 37fg. Tollin's papers.

I have not yet been able to find Rev. Alex. Gordon's review of your Servetus book in "Christian Life", since I can't see the paper. You better write to him care 35 Rosemary St., Belfast, Ireland, on this subject, as he knows so very much about it all, as result of his own hard work on the originals.

See also Machael's Servetus Votes (R. 2.10 M)

bert (Grundlagen der Geometrie, Göttingen, 1899) an, zu welchen der Verf. auch wichtige Ergänzungen geliefert hat (vgl. Math. Ann., 1898). Man findet darin u. a.: die projektiven Postulate, den Satz von Desargues, die zentrale Kollineation, die Postulate der Bewegung und den Satz von Pascal, das Rechnen mit projektiven Strecken, die metrischen Grundformeln der nichteuklidischen Geometrie, das Parallelenaxiom und das Archimedische Postulat. Beide Werke können Lehrern und Studierenden bestens empfohlen werden.

Wien.

Hartwig.

Wünsche O.: Die verbreitetsten Pflanzen Deutschlands. Ein Übungsbuch für den naturwissenschaftlichen Unterricht. 5. Auflage, herausgegeben und bearbeitet von Dr. Bernard Schorler. Mit 459 Umrißzeichnungen im Text. Leipzig, B. G. Teubner, 1909. kl.-8° (VI, 290 S.) geb. M. 2.60.

Die verschiedenen Bestimmungsbücher von W. erfreuen sich seit langem in den Schulen Deutschlands großer Beliebtheit, weshalb den Neuauflagen dieser Lehrbehelfe von vornherein ein guter Erfolg gesichert ist. Die Auswahl der Arten ist durchaus vernünftig, die Behandlung klar, die Umrißzeichnungen zwar sehr klein, aber ausreichend, das Format bequem und handlich.

Feldkirch.

Naturwissenschaftl. Rundschau. (Brschw., Fr. Vieweg & Sohn.) XXV. 19-24. — (19.) Hellmann, Magnet. Kartographie in histor.-krit. Darstellg. — Zeleny u. Mc. Keehan, Die Endgeschwindigkt. d. Falles kleiner Kugeln in Luft. — Jaekel, Üb. d. System d. Reptilien. — E. Gerland † . — (20.) v. Wesendonk, Üb. Helmholtz' Lehre v. d. Dissonanz u. Konsonanz. — Burgeff, Die Wurzelpilze d. Orchideen, ihre Kultur u. ihr Leben in d. Pflanze. — (21.) Philippi, Üb. einige paläoklimat. Probleme Leben in d. Pflanze. — (21.) Philippi, Ub. einige paläoklimat. Probleme.

— Åkerman, Üb. die Chemotaxis der Marchantia-Spermatozoiden.
(22.) Lenard, Üb. Phosphoreszenz u. üb. d. Auslöschg. der Phosphore
dch. Licht. — Lenard, Kamerlingh Onnes u. Pauli, Das Verhalten
d. Erdkaliphosphore b. verschied. Temperaturen u. besonders bei seh
niedr. Temperaturen. — Lenard, Üb. Lichtemission u. deren Erregung.
— Willis, Prinzipien d. Paläogeographie. — Hertwig, Die Radiumstrahlg. in ihrer Wirkg. auf d. Entwicklg. tierischer Eier. — (23.) Lull,
Die Ausbreitg. d. Dinosaurier. — (24.) Krüger, Sonneuflecken u. Witterg.
— Roshardt, Üb. d. Beteiligg, lebender Zellen am Saftsteigen b. Pflanzen
v. niedrigem Wuchs. — Reinders, Safthebende Kräfte im lebenden Holz.

Berichte üb. d. mathemat. Unterricht in Österreich. Veranlaßt dch. d. internat. mathemat. Unterrichtskommission. Heft 2. Wien, A. Hölder in Komm., 1910. gr.-8°

2. Korrath Prof. Dr. Theod.: Der math, Unterr. an d. Bildgsanstalten f. Lehrer u. Lehrerinnen. — Prof. Myron Dolinski: Der math. u. physikal. Unterr. an d. höh. Handelsschulen. — Prof. Milos Adamička: Der math. Unterr. an d. höh. Forstlehranstalt Reichstadt.

*Knauer Dr. Friedr.: Tierwanderungen u. ihre Ursachen. Mit 80 Abb. u. e. Karte. Köln, J. P. Bachem, 1909. gr.-8° (XI, 288 S.) M. 3.50. Strunz Privatdoz. Dr. Fz.: Geschichte d. Naturwissenschaften im M.-A. Im Grundriß dargestellt. Mit e. Abb. Stuttg., F. Enke, 1910. gr.-8° (VII, 120 S.) M. 4.—.

120 S.) M. 4.—.
Nager Prof. Jul.: Einführg. in die Elemente d. geometr. Analyse. (1. Forts. (In: VIII. Jahresber. d. n.-ö. Landes-Real- u. Obergymn. in Klosterneubg. Veröff. am Schlusse d. Schulj. 1909/10 vom Dir. Dr. St. Blumauer. Klosterneubg., Selbstverlag, 1910. gr.-8º (S. 1-21.)

Medizin.

Osler William, M. D., F. R. S., Regius Professor of Medicine in the University of Oxford: **Michael Servetus.** London, Henry Frowde, Oxford University Press, 1909. [80 (35 S.) 1 sh.

Die in das Jahr 1910 fallende 400. Wiederkehr des Geburtstages von Michael Servetus Villanovanus gab Osler Gelegenheit, in einer Festrede das Gedenken dieses Pioniers der physiologischen Forschung aufzufrischen und auf Grund eingehenden Quellen- und Manuskriptenstudiums eine in ihrer Gedrängtheit treffliche Schilderung von Servetus' Leben und Schaffen zu verfassen.

Ein gebürtiger Spanier, nach seinem mutmaßlichen Geburtsort Villanueva di Sigena auch Villanovanus benannt, eignete sich Servetus erstlich an der Universität zu Saragossa eine gründliche humanistische Bildung an, widmete sich sodann in Toulouse dem Studium des kanonischen und bürgerlichen Rechtes und kam hierauf als Privatsekretär des Hofbeichtvaters Quintana an den Hof Karls V. als Privatsektetal des Probeentvaters Quintana an den Hof Karls V. In dieser Stellung verfaßt der 22jährige Jüngling, der schon in Toulouse mit den Werken Luthers bekannt geworden war, seine erste Schrift De Trinitatis Erroribus libri VII, deren Grundgedanke: man müsse das Christentum vom Standpunkt der Zeit-

genossen seines Entstehens betrachten, zur Lieblingsidee Servets wird. Von diesem Standpunkte wird hier auch die Trinitas nicht als immerwährend, sondern als fakultativ, mit der Inkarnation des göttlichen Wesens im Menschensohne in Kraft tretend dargestellt. Nach kurzem, von religiösen Auseinandersetzungen mit Calvin ausgefülltem Aufenthalte in Paris sehen wir Villanovanus als Herausgeber und stark kritisch veranlagten Kommentator von Claudius Ptolemäus' *Geographicae enarrationis libri VIII* in Lyon, wo er Campeggio seine Pharmacopoeia verfassen hilft, von ihm in der Astrologie unterrichtet und zum Studium der Medizin geleitet wird. Während er nun in anregendem Umgang mit Guinther von Andernach, Sylvius und Vesal medizinischen Studien obliegt, gibt er seiner Vorliebe für Astrologie durch Abhalten eines Kollegs über den Gegenstand Ausdruck, was das Verbot dieser Vorlesungen sowie die Konfiszierung seiner Apologetica disceptatio pro astrologia durch den Parlamentsgerichtshof zur Folge hat. Nachdem er eine minder bedeutende medizinisch-wissenschaftliche, die Theorien von Hippokrates, Galenus und Avicenna erörternde Abhandlung über Purgiermittel, Syruporum universa ratio, verfaßt, übersiedelt er nach Vienne als Leibarzt des mit ihm schon von den Pariser Zeiten her befreundeten Erzbischofs Paumier; er leitet von da, allerdings mit gemäßigtem Kritizismus, den Neudruck von Ptolemäus' Erdbeschreibung und gibt fast gleichzeitig die *Biblia sacra ex Sancti* Pagnini tralatione mit einem stark heterodoxen Kommentar heraus, was ihn in seiner Stellung nichts weniger als gern gesehen macht. In der Hoffnung, der nur unter dem Namen Villanovanus bekannte Arzt werde nicht in dem Verfasser Servetus erkannt werden, veröffentlicht er unter diesem Namen sein größtes Werk Christianismi restitutio, dessen für Häresie erkannter Inhalt ihn ins Gefängnis bringt; er flüchtet nach Genf in der Erwartung, von den dortigen Reformatoren als Glaubensgenosse begrüßt zu werden, muß aber auf Betreiben seines Gegners Calvin trotz eifriger Verteidigung von Seiten der Genfer "Libertinen" am Scheiterhaufen sterben. — Das letztgenannte Werk umfaßt außer dem eigentlichen Glaubensbekenntnis Servets, die Reformation könne nur durch vollständige Rekonstruierung der ursprünglichen christlichen Kirchenzustände ihr ideales Ziel erreichen, die Darlegung der bedeutenden Entdeckung, welche Servet zu einem Pfadfinder in der Physiologie gemacht hat, und zwar als scheinbar unbedeutende Erklärung zum Kapitel über den hl. Geist, die Lehre vom Lungenkreislauf des Blutes; Servet verlegt unter Beibehaltung der wesentlichen Punkte aus der Pneumalehre Galens die Regeneration des venösen Blutes durch Vermittlung der eingeatmeten Luft zur "apta suppellex" für den "spiritus vitalis" aus der linken Herzkammer in die Lungen und stellt somit die Undurchdringlichkeit der Herzkammerscheidewand fest.

Liebe und Bewunderung für Servets Werk, verbunden mit richtiger, von Überschätzung freier Erkenntnis von dessen Wichtigkeit sind die Leitmotive von O.s Festrede. Willkommen sowohl als ästhetisch wertvolle Monographie wie als lehrreiche Zusammenstellung zerstreuter Tatsachen, macht uns die Arbeit in der Person ihres Verfassers mit dem sympathischen Typus eines für alles Edle begeisterten, durchaus nicht in einer trockengeschäftlichen Auffassung von Wissenschaft und Leben befangenen Amerikaners bekannt.

T. Dyboski. Krakau.

Krakau.

Wiener klin. Wochenschrift. (Wien, W. Braumüller.) XXIII, 19-24. —

(19.) Blum, Die funktionelle Nierendiagnostik. — Tutsch, Neue Ausblicke auf die natürl. Heilwege d. Tuberkulose. — Kraus u. Volk, Zur Frage d. Tuberkuloseimunniät. — Kreibieh, Leukozytendarstellg. im Gewebe deh. Adrenalin. — Ensbrunner, Zur Behdlg. d. Hämoptyse. — (20.) Escherich, Üb. Indikationen u. Erfolge d. Tuberkulintherapie b. d. kindl. Tuberkulose. — Fleckse der, Pylorusinsufficienz u. Koliflora im Magen b. Achylia gastrica. — Bondi u. Neumann, Üb. d. Weg d. Fettteilchen im Blute. — Koller, Ein Fall v. Schwellg. u. myeloider Umwandlg. v. Lymphdrüsen im Stauungsgebiet e. thrombierten Vene. — Satta u. Donati, Hat das Sublimat e. Wirkg. auf d. Wassermannsche Reaktion? — (21.) Popper u. Zak, Üb. d. klin. Bedeutg. d. Essigsäure-körper-Nachweises in serösen Flüssigkten. — Linnert, Vergleichendchem. Gehirnuntersuchgen. — Herz, Üb. Bradykardie, Hypotonie u. hypoton. Bradykardie. — Frank u. v. Jagić, Üb. Pheumothoraxtherapie b. Bronchiektasien. — Bondi, Üb. Ovarialgravidilät. — Götzl., Btr. z. Feersterschen Operation b. gastr. Krisen. — (22.) R. Koch. — Tandler, E. Zuckerkandl. — Raimann, Bewußtsein u. Intoxikation. — v. Bókay, Üb. d. prakt. Bedeutg. d. Straßburgerschen Transparenzuntersuchgen b. Hydrocephalus congenitus. — Goldzieher, Btrge z. Pathologie d. Nebennieren. — Schiller u. Micen, Üb. protrahierten Ätherrausch. — Natanson u. König stein, Üb. d. Verhaltend. Spermatozoen im weibl. Genitaltrakt b. Effluvium seminis. — (23.) Weiß, Die Blutgerinng. in ihren biochem. u. klin. Beziehgen. — Biernacki, Üb. d. Beziehgen zw. d. Umsatz mineral. u. organ. Nahrgsstoffe. — Selig, Ein Blutdruckapparat, f. d. Praxis. — (24.) Hochsinger, Die gesundheit. Lebensschicksale erbsyphilit. Kinder. — Herz u. Wilheim, Die Cammidgesche Reaktion b. Gesunden u. Kranken. — v. Benczúr, Btr. z. klin. Verwertbarkt. d. Diastasemenge in Blutserum u. Urin. — Schwarz, Röntgenoskop. Be-



Reviews and Brews.

CONDUCTED BY THE

LITERARY EDITOR.

RENDERED into English by the piety of a son, the autobiography of Devendranath Tagore, "latterly known as *Mahurshi* or the Saint," possesses a very deep interest for all religious minds. It is true, as stated in the introduction, that this suchiography "contains as attimined. possesses a very minds. It is true, as stated in the introduction, that this autobiography "contains no stirring adventures, or sensational incidents of any kind." It is essentially a revelation of religious experience. "Its value consists in its being a record of the spiritual struggle of a noble soul accordance of the spiritual struggle of a nobl kind." It is essentially a revelation of religious experience. "Its value consists in its being a record of the spiritual struggle of a noble soul against early associations, conventionality, and family ties—the struggle of a soul striving to rise from empty idolatrous ceremonial to the true worship of the One living God." The outward personality of Maharshi is familiarised to us by no less than seven portraits, taken at various periods from his nineteenth to his eighty-eighth year. His inner man is self-delineated with engaging simplicity and frankness. From childhood he was in touch with Rammohun Roy, and attended his school. The religious influence of this great reformer was not immediate upon his mind, nor was it till long after that he "inwardly resolved that as Rammohun Roy did not take part in any imageworship or idolatry, so would I not join in them either." His point of view was never quite that of Keshub Chandra Sen. He was the means of introducing Keshub to the Brahmo Somaj, but "the temperaments of the two men differed too widely to allow of a permanent co-operation." This is his son's judgment, who adds that his father, "though an uncompromising enemy of idolatrous worship, was essentially conservative in his instincts." His theism was a plant of native growth; his social ideals were purely patriotic. "It is singular," remarks his son, "that the one field of religious inspiration which was foreign to him was the Hebrew Scriptures. He was never known to quote the Bible, nor do we find any allusion to Christ or his teachings in his sermons. For him the Indian Scriptures sufficed." Mosumdar even compares his exclusive recourse to "the authority and inspiration of the Upanishads" with the exclusive devotion of "the most straitlaced" Protestant to his Bible; adding that this "nourished and deepened every faculty in him." The parallel is very suggestive and Protestant to his Bible; adding that this "nourished and deepened every faculty in "nourished and deepened every faculty in him." The parallel is very suggestive and instructive. After all, concentration in religion is a power. We speak sometimes of broad and narrow, regardless of the questions of depth and vitality. "As regards social reformation," and bis son, "he was for adopting a slow and and vitality. "As regards social reformation," says his son, "he was for adopting a slow and cautious policy, a policy of conciliation; he was in favour of leaving such reforms as were really required to the influence of time, and to the effect of the teachings of a pure religion." The spirit of his religion is nowhere more completely expressed than in the thirteen prayers to be found in the appendix. These are the utterance, in great simplicity, of "a guileless heart," and are remarkable for their artless beauty. He was brought up to wealth; but on his father's death it appeared that his estate was deeply involved in debt. The family were provided for by property secured on trust. Maharshi and by property secured on trust. Maharshi and his brother at once resolved that they would not avail themselves of this protection. No wonder that when the creditors heard "that we were that when the creditors heard "that we were prepared to give all our property, together with the trust property, into their hands, of our own free will, without the least compunction, and independently of any decree of the law courts, they were astounded." Even "moneylenders were moved to tears," and arranged for an allowance to the family out of the surrendered estate. "Whence did this pity enter into their hearts at this moment? He alone inspired them with compassion who is my lifelong Friend." The surrender, it is worth noting, was made and accepted without the intervention of a law court. So great was Maharshi's tenderness of conscience that he

¹ The Auto-Biography of Maharshi Devendranath Tagore. (With Portraits). Translated from the original Bengali by Satyendranath Tagore and Indira Devi. Calcutta: S. K. Lahiri and Co. 1909. of Oxford.

said to his brother, "As long as we have a shred of cloth left on our bodies, we cannot stand up in a court of justice and solemnly affirm that we have given everything. As it is, we will give up everything, but we cannot take our oath upon it. May God and Righteousness protect us." What followed is thus described: "I reduced my staff of servants, sent all my houses [horses] and carriages to be auctioned, brought my food and clothing within reasonable bounds.

. . I had read in the Upanishad about the peace and happiness of him who desires nothing, and now I tasted of it in real life." Ultimately the creditors "gladly and trustfully" placed the management of the affairs of the broken firm in the hands of these strenuous sons. "Thus did we begin to reel up the string of Carr, Tagore the creditors "gladly and trustfully" placed the management of the affairs of the broken firm in the hands of these strenuous sons. "Thus did we begin to reel up the string of Carr, Tagore and Co.'s kite from the watch-tower of our own house. Whether it would snap halfway or not was the question." It did not, however; though it was years before every obligation was cleared off "to the last farthing." Creed was here proved by character, and faith by works. We have said enough to show that this was a life worth living, and yields a life-story worth knowing. May we now address a mild remonstrance to the editors of this book? Indian names, we know, are very uncertain in their spelling; but should there not be some uniformity observed within the covers of the same volume? Even the name of its subject is sometimes given as Devendranath, sometimes as Devendra Nath: Then we have Rammohun Roy and Rammohan Roy on contiguous pages; Brahma Samaj, Brahmo Samaj, and Brama Samaj; Kesab, Keshab, Keshav, and Keshub Chandra Sen, apparently quite at random. These are but samples. Our difficulty with Indian names is quite sufficient without these disconcerting varieties. As soon as we have got accustomed to one novel spelling, another, still more novel, is sure to emerge.

Dr. Osler's welcome pamphlet on Servetus?

disconcerting varieties. As soon as we have got accustomed to one novel spelling, another, still more novel, is sure to emerge.

Dr. Osler's welcome pamphlet on Servetus' is chiefly valuable for its illustrations. The letterpress suffers from a too ready reliance on the misleading work by Willis. Thus, from Willis is taken the utterly unhistorical surmise, "He seems to have been nearly a month in Geneva before his arrest." This conjecture, designed as the basis of a theory that Servetus was plotting in Geneva against Calvin, was first broached by Spon. Calvin himself knew nothing of it; and since it is conclusively disproved by the now accessible records of the trial, its revival is quite inexcusable. Again, from Willis is quoted, in the pulmonary circulation passage, the translation, "it may be that some transudation takes place through it." The original, here given in facsimile, reads, "aliquid resudare possit;" that is to say, "it may sweat off something"; no transudation is suggested. The use by Servetus of the rare word resudo is derived (like other of his terms) from the usage of his countryman, the poet Prudentius. For many of the illustrations we are most grateful. The portrait of Servetus, forming the frontispiece, is the facsimile of a very poor reproduction (1727) from the Dutch engraving of 1607. The Anamnese statue, here photographed, is pretty good; far better than the horror at Paris; yet not nearly so good as the fine seated statue at Madrid. The altar piece from Villaneuva de Sigena does not give the Serveto inscription, which belongs to a side altar on the south well of the plant is a side altar on the south well of the plant is a side altar on the south well of the plant is a side altar on the south well of the plant is a side altar on the south well of the plant is a side altar. from Villaneuva de Sigena does not give the Serveto inscription, which belongs to a side altar on the south wall of the plain little church, and of much later date than the father of Servetus (Hermuch later date than the father of Servetus (Hernando Villanueva), whose connection with the altar-piece here figured cannot be regarded as established. The facsimile title page of the De Trinitatis Erroribus, here given, is not from the original edition, but from a Dutch reprint. A photograph of the "Expiatory" block at Geneva is given, and, as Dr. Osler says, it professes to record the date of the birth, as well as of the death of Servetus. No one knows his exact birth date. The year is pretty certain; but the month and day have been calculated on the supposition that he was named Michael because born on Michaelmas Day, a supposition for which there is no shred of warrant. Moreover, if the supposition were well founded it would throw back the year date by a year. With regard to the anonymity of the Christianismi Restitutio, Dr. Osler rightly says that there

² Michael Servetus. By William Osler, M.D., F.R.S., Regius Professor of Medicine, University of Oxford. Oxford University Press. 1909. 1s. nando Villanueva), whose connection with the

appear "on the last page the initials of his name, 'M.S.V.' It may be added that his Christian name appears in the Hebrew on the title page, and his surname "Servetus" is given on page 199. The copy in the University Library, Edinburgh, has "the first sixteen pages in MS." These pages are of special moment, since they are not copied from the printed work but from the original draft, and contain characteristic touches of autobiographical interest. The date of De Murr's reprint is 1790, not 1791. Some of these errata might be set right in a subsequent edition of the pamphlet, which, we should hope, will be called for.

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AND UNITARIAN HERALD

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THE EDITOR,

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their number some wealthy members, who doubtless would willingly become contributors to the Fund if they were made sufficiently acquainted with its object and its working-might now and then, with-out loss of dignity, urge its claims from the pulpit, or in other ways which might seem to them most expedient. It is possible that this is already done in some places; but the practice should be more general. We are well aware that to appeal for money in any shape or form, however worthy the object or commendable the work for the furtherance of which it is solicited, is a somewhat delicate matter with most men; to many of our own ministers it is a proceeding from which they shrink with a feeling which is akin to repugnance. Besides, there are always other necessary and immediate calls which cannot must not be ignored; and some of these may appeal more strongly to the generous supporters of a local cause. Yet, granting the cogency of all such considerations, it appears to us that there can be no more worthy institution than that which aids our poorer congregations to retain the service of a regular minister, and to support him in a manner creditable to the denomination at large, in a task which, even under most favourable conditions, is an extremely arduous one—a task which often taxes his energies, physical and mental, to their utmost limit of endurance.

However fully equipped a minister may be intellectually, he is seriously hampered in his work, and the usefulness and effectiveness of his ministry must of necessity be considerably diminished, so long as he is weighted down by any sort of anxiety, or perplexed by financial straits—that most unendurable of carking cares. Nor can he possibly in such a position maintain that buoyancy of spirit, that cheery optimism, that hopeful outlook upon life, which his hearers invariably expect of him, and which by tacit consent form an essential condition of a successful religious ministry in our times. These are facts which should be patent to all; they are fully recognised by those who are responsible for the administration of the Sustentation Fund, no less than by those who so usly contribute d appeal now -paid ministers ith them, who appreciate their

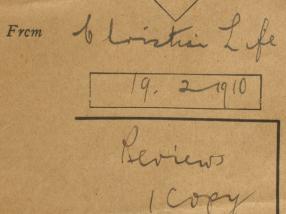
19, 1910

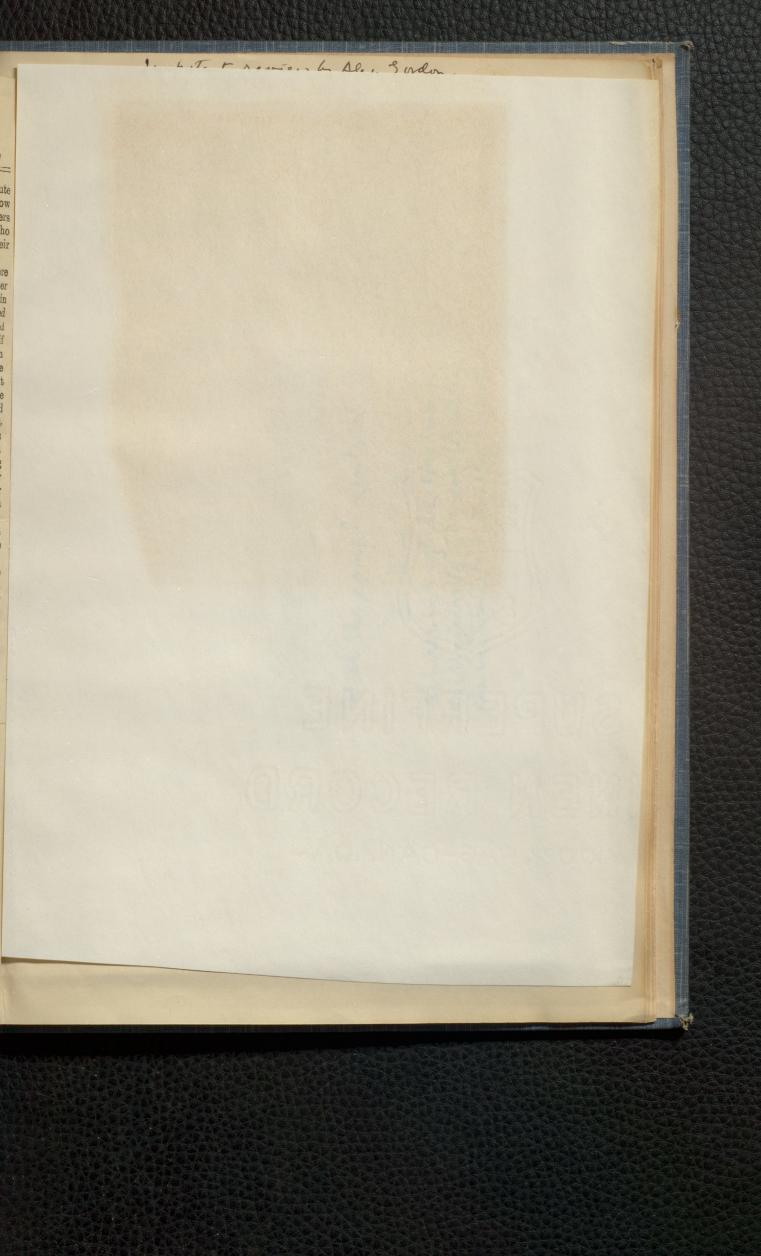
we would here us that in a paper week meetings in the Fund stated the Fund should reased income if of providing an ministers of the area which it rs to cover the reland, however, wn. In Wales believe that it is Welsh-speaking ition to pay their re than £100 per ch was their status former times Unitrincipality supported m other honourable em being also school-The conditions have

changed with the changing times; and it is now becoming increasingly difficult for any man, however resourceful, to follow with any degree of efficiency more than one profession at a time. Success now more than ever lies in specialisation. All the demands of the present age tend that way. Nor do churches form any exception to the rule. The requirements of the average modern congregation are numerous and persistent and exacting, such as to claim the undivided attention, the most thorough devotion, and the whole-hearted energy of its minister.

It is sometimes apt to be forgotten, however, that the minister is after all but an ordinary human being; he probably has others dependent upon him, and cannot fulfil these ideal conditions if he is compelled to eke out a mere pittance by extraneous work, or is forced to look outside the congregation to which he ministers for the necessary means to sustain himself and family in common decency and comfort. It therefore need hardly be pointed out, that the adequate support of the regular ministry of our less well-to-do congregations is of supreme importance to their welfare, and, moreover, essential to the future vitality and usefulness and growth of our denominational life; while the institution whose sole purpose is to render necessary aid in that direction deserves the unstinted support of the whole body of Unitarians throughout the country.

Adverting, finally, to the Report before us, the Managers "remind the subscribers that the list is being constantly reduced by the deaths of those who have subscribed for many years, and it is only by interesting others in the Fund, and thus obtaining their financial assistance, that its useful ness can be extended or even maintained. Meanwhile, the Managers are pleased to be able to state that the amount of the grants actually made has been slightly increased, although they feel that in many cases they fall largely short of what is needed to supplement the stipend which the congregations are able to provide." They assure subscribers that the letters that are constantly received expressing gratitude for even a small increase to the grant, make it



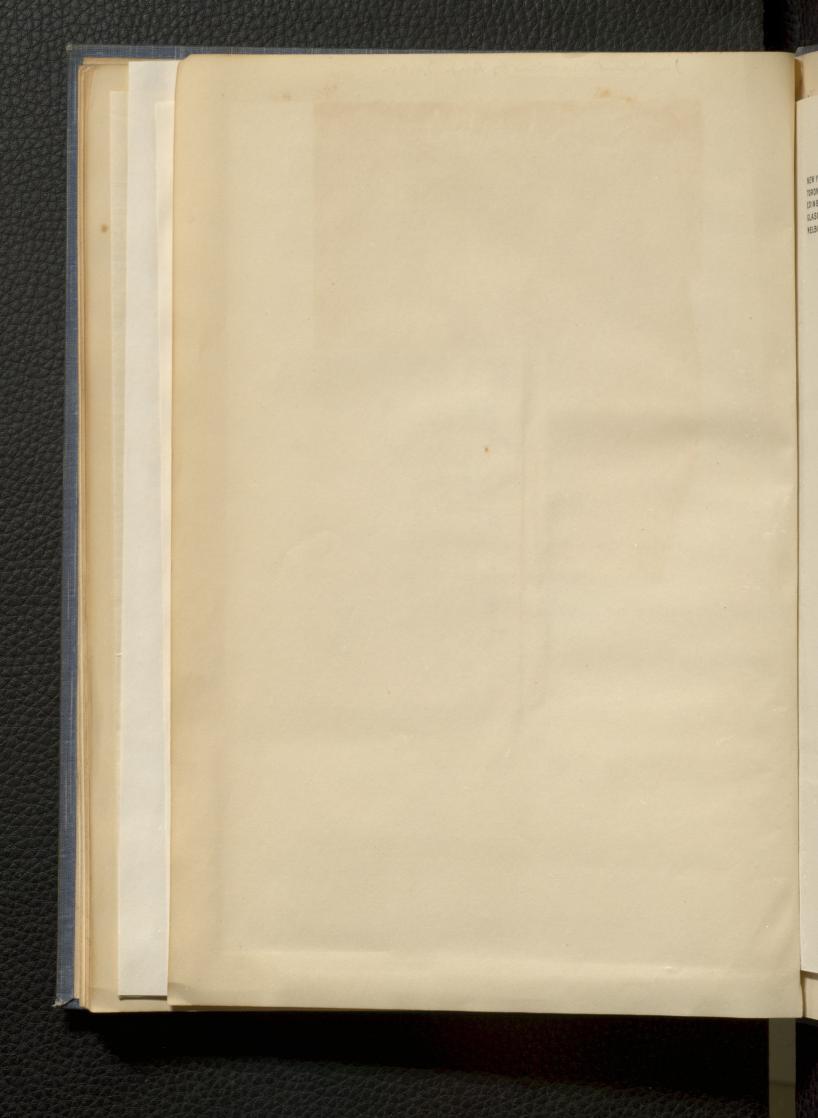


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Imputant review by Alex. ? ordon Dr. Roman Dyboski, the twee on anglish Literature in the University of Cracow (Austria), the puelosed, written by his brother With the pompliments of

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r nation at large, in a task which, even future vitality and usefulness and growth

Imputant review by Alex. Evidon J. Dyboski, student of medicine in the same University, is most respectfully offered to Professor Osler, as a humble tribute of covery admiration. 7. meica Filipa, Cracow (Haakau), Austria,



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April 28, 1911.

Dear Osler,

I wonder if you are back from Egypt yet. returned from America just before Easter, having travelled many miles and seen many hospitable people. Your kind introductions were of course most valuable.

Michael Servetus is my immediate object in writing. We have no copies, and some 25 copies are wanted, chiefly by Armstrong.

I don't know if you will think it worth while to reprint 250 or 500 copies; I doubt if it would pay you, but you may like to keep the lecture in print. Account is as follows:

Printed 500

257 Sold Presented 43 Sent to

you

200

500

Yours very truly.

21 5 Milford

Dr. Osler

I found McGill a complete museum of Osleriana !

April 28, 193 Lear Ogler, I wonder if you are beek from large yet. returned from America furt before Easter, maying many miles and seen many hospitable people. You introductions were of course most valuable. Michael Bervetus is my immediate object We have no copies, and come ID copies are canted, by Azmetrong. Marco of Salas file wow 11 word t'nob I reprint 250 or 500 copies; I doubt if it wenter Yours year truly, Dr. Osler

To Sir Wm.Osler Bart.FRS &c.

Regius Prof. of Medicine, Oxford

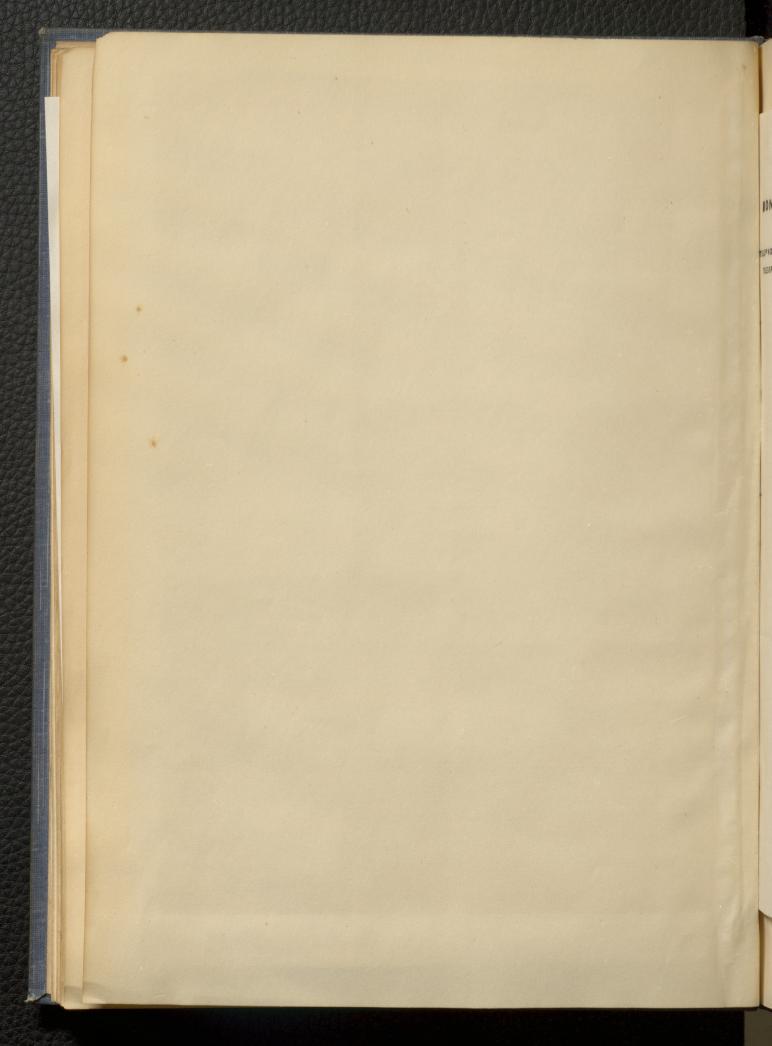
Dear Sir William

Long ago I should ************************* have carried out my promise to find o whether you can recommend any partically good specialist for "modern physical diagnosis of the heart; in or near Brighton, and if not in Brighton then in London An old American lady, friend of my family, wishes to have the heart of her little grandson thoroughly examined and she and he are now in Brighton for a time. Long ago I should ixxxxxxix have carried out my promise to find out diagnosis of the heart; in or near Brighton, and if not in Brighton then in London. grandson thoroughly examined, and she and he are now in Brighton for a time. On this occasion I send also some bibliographical notes anent our old friends Browne & Servetus in connection with your exsays on them. Alabama Student p.264, top of page, Religio Dutch 1655 should this not read 1665 Billing and refer to the 1665 Laege-duynen ed. (here)? versions is I suppose in his letter 14 March 1672-3 mentioned also in the Dict. Nat. Biogr. VII, 7la & cf. Johnson's pife prefixed to the Christian Morals 1756 p.xiii. Browne seems simply to have been mistaken as to both of these translations, and not merely the Italian one. AS p.271 the library here has Christian Morals in English"Hall in Saxony" 1723(Halle) As to a German Religio 1680, Ersch & Gruber (I, 108) says all of B's Works transl Frankfurt & Leipzig 1680 4to., no doubt a mistake due to confusion, and the Dict. Nat. Biogr.says the 1680 Rel.was reprinted in 1746, which statement is contradicted in the 1746 transl. §9(referring to Allgem.hist.Lexicon 3.Auflage,Leipzig 1730, folio, I, 683, not in 2ed., for a similar mistake). The Auskunftsbureau der deutschen Bibliotheken also knows of no 1680 German Religio, and no doubt Watt(I, 159x) here simply confuses the Rel. with the 1680 Nürnberg transl. of the Pseudod. (which he omits) just as he gives a 1668 Dutch Rel. meaning the 1668 Amsterdam Dutch Pseudod(Beschriving &c.). Possibly also Watt's 1732 French Religio is thexes really the 1733(&1742) Pseudod. which he mentions. Have you seen the mentions of the Rel.in Conringiana Epistolica ed. Helmstädt 1719 p.4, and the various references to Browne in Morhof's Polyhistor? Servetus p.14 S.on Syrups also publ. Vienna 1541 (Vienna "Conversations blatt" 26 Jan. 1819) p.30n. Wotton 2ed.1697 p.229.230 already in led.1694 p.211 cf.v.d.Lindep.279 p.3ln.for History read Doctrines, Phila. 1884 p.32 line 9 on Edinb.copy cf. Willis in Athenaeum Apr. 27, 1878 p. 541, also Ancycl. Brit. p.35n. read A.v.d.Linde, & Allwoerden 1728 cf.date at end. Spiess transl. Wiederherstellung des Christentums appeared I 1892, II 1895, III 1896 I 2. Aufl. 1895 being a mere "Titelauflage"i.e. old sheets with new title page! I & II translates only pp.1-576 of Christianismi, and III merely reprints pp.671-734 as you will see from the copy I gave you. On Mead's interest in Servetus of. Histoire d'un voyage littl fait en 1733 en France en Angleterre et en Hollande. A la Haye 1735 12mo.p. 169f.by C.E. J(ordan). I have a priced sale catalogue of Mead's books 1754-55, also Allwoerden, the French transl. 1879 of Tollin (with additions), the Jena AllgenLit. Zeitung 20 Nov. 1792 with review of the Christ. repr., and last not least a fine copy of that reprint lately bought from a Geneva catalogue for only 35 francs! The SGO copy bought some two years ago cost ca,60 Mks.the librarian writes me.No doubt you have Dr.Garrison paper on the Historical Collection of Medical Classics in the SGO, reprinted from the Journal of Am. Med. Ass. June 17,1811 p. 1785fg. The American surgeowns who arrived here yesterday and left today for Vienna had a good time here and were all much interested in what Lexer had to show in the way of trans-planting and repairing faces on a large scale. That your American friends have not forgotten you was very clear. Here is a card which Cushing and one or twoothers wrote in all NB I almost forgot to ask whether your address at the opening of Osler Hall in Balto. X has ever been printed. Where&when, or whynot? With sincere regards to you all Cordially yours, Leonard L. Mockall

m tolt occasion I send also some bibliographical motes ament our old Triends arone to the dervenus is connection with your ognerus on them.

| Court triends o. 64. tos of olge, beliefo utan 1655 should this out road 1655 and water to the 1665 age-downer of the olde. .eno spilled best therem doe TRIBUTERY CONTRACT OF THE SELECTION OF CLUMPS OF SELECTION AND SERVICE OF THE SELECTION OF Call active of a seat and a seat active to the seat of bor ever I vene for a division with the state of the stat . The thinks of the reiver of 192 to 1920 to 1 -mart to was eas of word on his more, them of heterotett form it even bus even on the even to see the principle of the princi

To L. L. Mackall Sir William Osler Bart., F.R.S.&c. 14 Forstweg, Jena Regius Professor of Medicine 6-7-12 13 Norham Gardens, Oxford, England Dear Sir William Many thanks for the address of Dr. James Mackenzie, 133 Harley St. (London, I suppose) which I have sent on to Mrs. Roy. Since writing to you I have secured also a copy of the Catalogue of Murr's library 1811(after his death), and waxx also Murr's Journal zur Kunstgeschichte Zwolfter Theil, Nurmberg 1784 containing pp. 346-372 an accunt of the Christ. Rest. I have just bought David Cuthbertson's "A Tragedy of the Reformation" Edinb. & London Oliphant, Anderson & Ferrier, 1912; but am much disappeinted in this formless and superfluous compilation. What C. says by way of description of the Edinburgh copy is well enough in its way, but he simply copies Willis &c without saying so and even flatly denies that Servetus discovered or really describes the pulmonary circulation! I p.55f.he emphasizes the fact that Wotton had not himself seen the book, but does not mention that W. quotes the critical passage in the margin! 1p.59 he follows Chereau in disparaging Tollin's remagrks on the Paris MSS.but does not add that Dardient (p.65 of the French transl.of Tollin's Charakterbild, which transl. Cuthbertson cites on p.24n.!) completely answers Chereau as elsewhere! There were many MSS.of the Christ.Rest.in various forms, and it not proved that the Edinb. transcript must have been made from the one sent to Calvin, as Cuthb. assumes. Now I must ask some more questions:-1) Alabama Student p. 264 top, Dutch Religio 1655 is this date correct, or do you mean the Laege-duynen ed. 1665 which I mentioned in my letter? Does Williams give both of these if they are not the same? 2) You write of still looking for the quarto max Dutch ed. of the collected works of Browne. Is not this the 1668 Amsterdam Pseudod. given no e.g. in Morhof's Polyhistor as "Beschriving &c. 3) in reading lately Dr. Andrew D. White's History of the Warfare of Science with Theology, N. Y. 1896 I see that he refers to an address of yours as printed in Science for March 27th 1891. Which address is this? Recently I wrote to Macmillan & Co.suggesting that they supply the Golden Treasury vols. of Sir Thomas Browne in the beter binding used also for some other books in the same series. They reply that they are much obliged for the suggestion but do not say whether or not they propose to act on it. I wish they would. Now I must close in haste, but with cordial regards to you all. I hope that you are well in every way. Very sincerely yours, Louand & Mackall
What is Billy France's
address!



MONTOLIVET

TELEGRAMS : KLEBS LAUSANNE

29. November 1913.

Dear Sir William,

If you drive across the main bridge of Geneva, leaving to your right Rousseau's Island, passing the university and the beugtiful new monument to the Reformation, you come, if you continue straight for half a mile, to Champel, where poor Servetus came to the end of his life. From there, holding to your left, you traverse the charming suburb of Florissant with many homelike villas. At Chêne you strike the main read from Geneva to Chamonix, and as you leave the Swiss territory entering upon the free zone of Savoy, you will find yourself in one of those new prosaic, uniformly built provincial towns and you will be much astonished to find in the main town square the very green, pathetic statue of Servetus, which the Geneva authorities refused to accept on their territory. This town is called Annemasse, which the Druckteufel has changed in your excellent address to Anamnese.

420 Riverside Drive New York City L.L.Mackall Dec. 19, 1918

Professor Sir William Osler, Bart., M.D., F.R. S.&c.

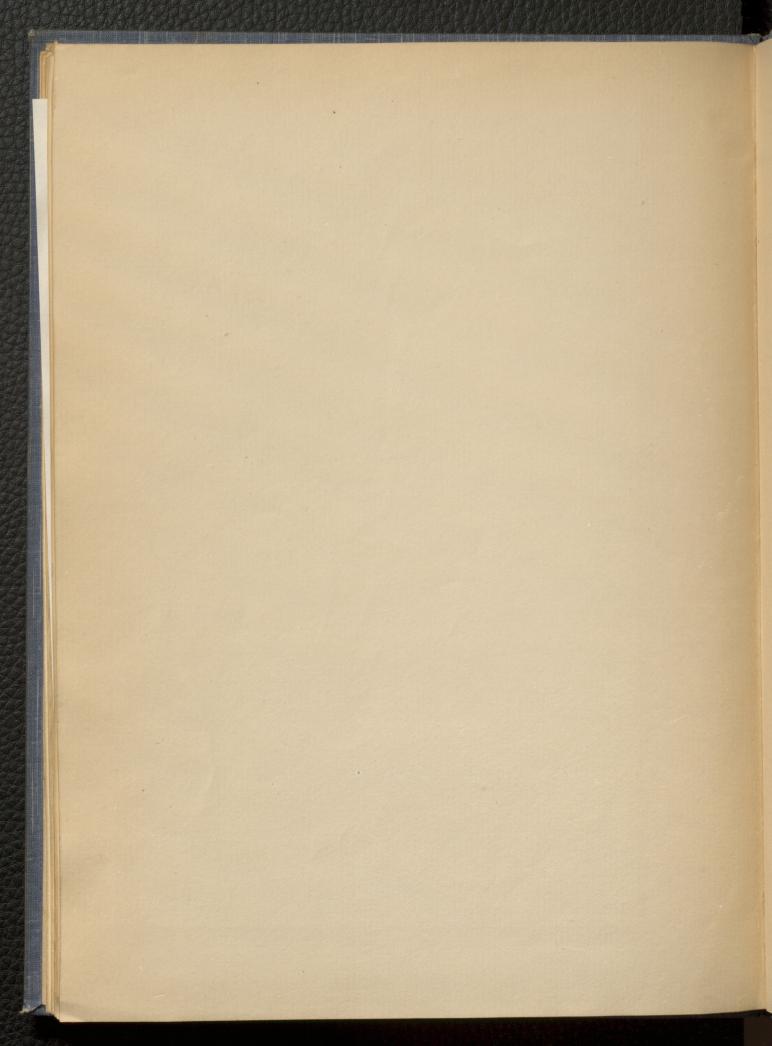
13 Norham Gardens, Oxford, England

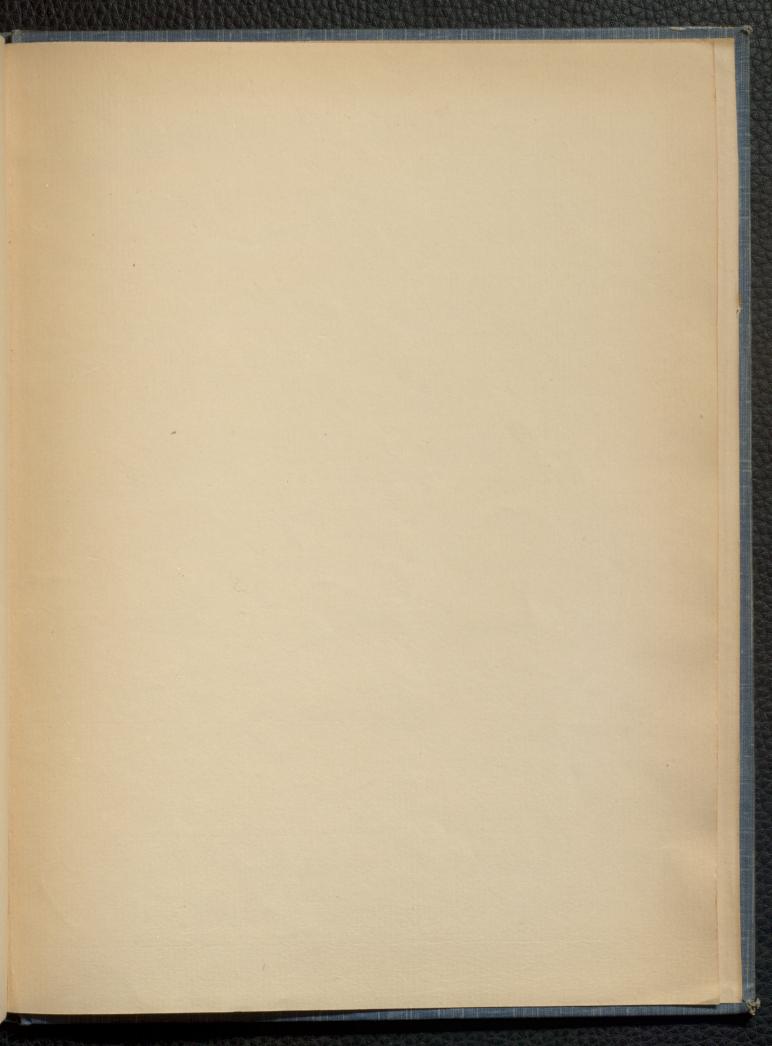
Your kind letter of Aug. 6th arrived after I had written Lt. Col. Alexander R. Lawton of Savannah Ga., but/was sent direct to to you on Aug. 18th, and then I sent you a letter introducing my France after all and se did not get to England at all.

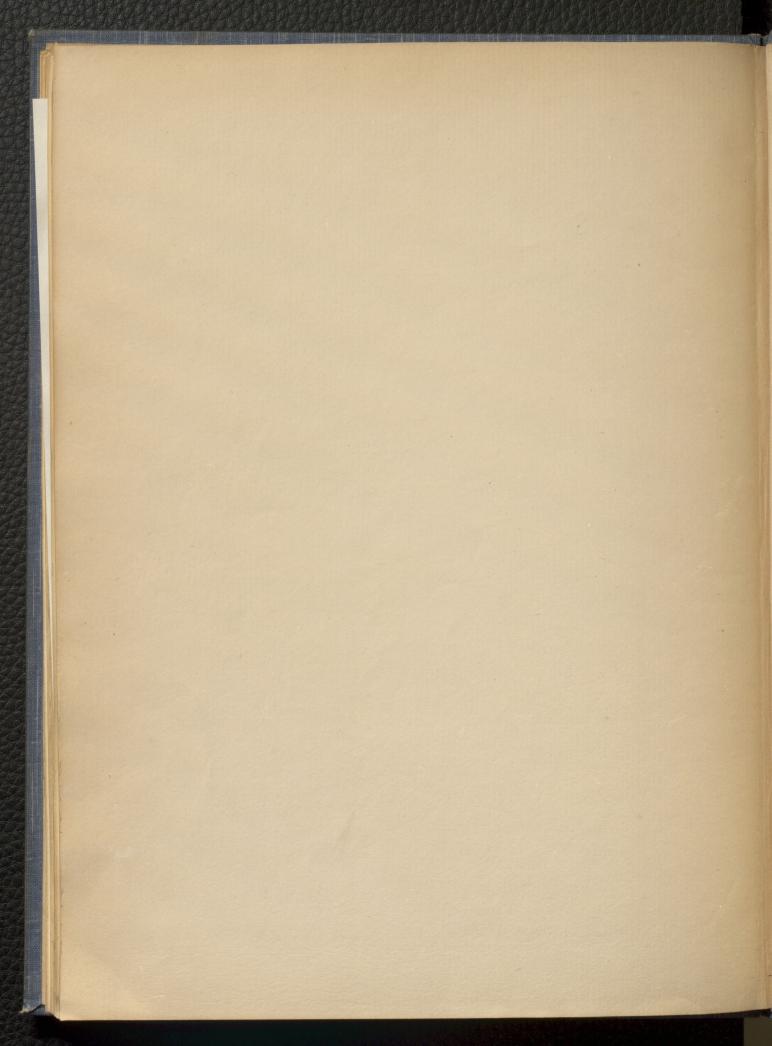
I am sorry that my thnaks for your letter thus did not reach you much seener, but I thought that they would!

If you can without trouble have a copy of Fergusson's Bibl. Ohem, sent to me by the Trustees, I should indeed greatly appreciate it. One of my best friends, now dead, was on the faculty of the Callege where that callection is preserved.

Servetus alse. I have (or had!) the Latin issue: "Iconice et hist, descriptie practicals also, I naveyor nations are to v.S. Arnheim 1608" (also in BM).
I think! wrote you that the small exize "Grouwelen &c.&c.give only a portion of the figure of each heretic. of also Allwoerden n 114, p. 148f. Corps of Interpreters, and officialy recommended for a First Lieut. I enclose a copy of my recent article on the DeRenne Library, at the last moment. Then I was examined in French & German for the The SGO pertrait of Servetus is most probably from: "Historische Beschreibung und Abbibldung der fürnehmbsten Haupt Ketzer Durch C.V.S.A. zu Amsterdam bey Niclauss Buchhändler. 1608. "(title from Nagler's Lex. who thinks it by Carl not Christoffel van Sichem). See van der Linde's Have you seen the paper on Conrad Geener in: Papers An. Bibliogr. of which I was Librarian until I resigned to enter the Red Grass in France, But the prespect of draft laws prevented my acceptance matter on our friend Servetut, but I have never been able to see Apr, 1916? but the armistice stopped that at the last mement. So here I am, any extra reprints of your remarks on Willis in Ann. Wed Hist#2 What do you know about Dr. Wn. Stirling's "Sone Apostles of Physiology...privately printed 1902"? It is said to contain Sec. X the Callege where that callection is preserved.







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