

BENJAMIN RUSH

A DISCOURSE
DELIVERED BEFORE THE
COLLEGE OF PHYSICIANS OF PHILADELPHIA
FEB. 6TH, 1787
ON THE OBJECTS OF THEIR INSTITUTION

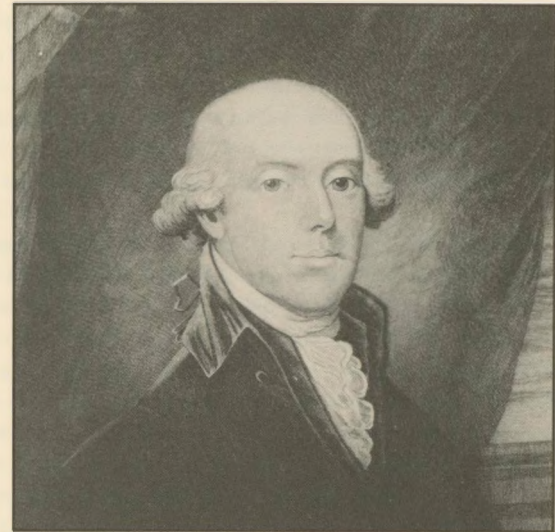
PHILADELPHIA, PA

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A Facsimile of the 1787 Address
with an introduction by

Thomas A. Horrocks



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INTRODUCTION

Founded by twenty-four of the most prominent physicians in Philadelphia, the College of Physicians was created not as an academic institution as its name suggests, but as an association of concerned physicians whose purpose was to advance the science of medicine, promote high ethical standards in the profession, exchange medical information, and act as a guardian of the public welfare. The first recorded meeting of the College took place on 2 January 1787. There had been at least three meetings held prior to this date, however, with the earliest occurring sometime during the summer of 1786. By the time of the first recorded meeting, the Fellows had elected the first officers, including John Redman as President.

The 65-year-old Redman (1722-1808) was an appropriate choice, for he was the most eminent physician in Philadelphia at that time. After receiving his medical degree from the University of Leyden in 1748, Redman returned to Philadelphia and soon acquired a large practice. Elected a member of the first medical staff of the Pennsylvania Hospital, he was for many years a trustee of the College of Philadelphia (now the University of Pennsylvania) and of the College of New Jersey (now Princeton). A preceptor of many of his younger colleagues, Redman was trusted and respected by all in the profession.

Although Redman was a man on whom all the Fellows could agree for the office of President, his leadership was neither visionary nor active. He did not define the duties of the Fellowship nor did he offer a set of objectives for the institution. In fact, his first presidential address was nothing more than an apology for his physical infirmities and a humble admission of his incapacity to carry out the responsibilities conferred upon him. The enunciation of the aims of the College and its Fellows was thus left to a younger, more energetic Fellow—a man of many ideas, and one who was not afraid to voice them—Redman's former apprentice, Benjamin Rush.

A graduate of the medical school of the University of Edinburgh, signer of the Declaration of Independence, popular teacher, prolific author, and a tireless advocate of humanitarian reforms, Rush (1746-1813) was the most celebrated physician in the United States at the time of his death. Familiar with a number of medical societies in America and abroad, Rush had entertained hopes and plans for a society in Philadelphia for a number of years prior to

prior to the founding of the College of Physicians. In a 1783 letter to his friend, Dr. John Coakley Lettsom (1744-1815) in London, Rush responded to the latter's encouragement to establish a medical society:

I approve of your plan for instituting a medical society in Philadelphia, and am not without hopes of seeing it carried into execution as soon as the minds of our literati are more perfectly detached from the political subjects that have swallowed up all the ingenuity and industry of our country.¹

When the time came for establishing the College of Physicians four years later, Rush played a dominant role. He was not only one of the founders, but he assisted in drafting its constitution and, more importantly, he was asked by the Fellows to deliver an address on the objectives of the institution.

Rush's discourse on the aims of the College was the principal business of the second recorded meeting, held on 6 February 1787. Repeating and expanding on the purposes set forth in the College's constitution, Rush tried in his address to distinguish between a *college* of physicians and a medical *society*, claiming that the College would embody both functions. While Rush's paper reveals his uncertainty about the character of the institution, it shows that Rush expected the College to be an active organization, with its Fellows energetically and aggressively assuming the guardianship over the health and safety of the community.

As a *college*, Rush saw the Fellows creating and maintaining order in the profession, addressing principally matters of public concern, such as undertaking a national dispensatory and offering advice to legislative bodies "in matters that relate to the health and happiness of our fellow citizens," and promoting inquiries and observations "upon the prevailing diseases of the city." As a medical *society*, Rush continued, the Fellows would collect and publish these inquiries and observations, hold meetings, cultivate a botanical garden, and create a library.

Rush's address ended as it had begun—with unbridled confidence and patriotic fervor. He had opened his address by proudly announcing that "the late revolution, which has given such a spring to the mind in objects of philosophical and moral enquiry, has at last extended itself to medicine." As his optimistic conclusion shows, Rush expected American physicians in general, and the Fellows of the College in particular, to play a significant role in this continuing revolution.

Many disorders, once deemed incurable, now yield to medicine. No wonder then that a general expectation prevails—that a revolution is soon to take place in favour of human happiness . . . And when I consider the influence

of liberty and republican forms of government upon science, and the vigour which the American mind has acquired by the events of the late revolution, I am led to hope that a great portion of the honor and happiness of discovering and applying these antidotes may be reserved for the physicians of America.

Inspired by Rush's lofty vision of the future, the Fellows commenced working toward the goals outlined in his wide-ranging program. In fact, during its first decade, the College addressed, with varying degrees of success, virtually all of the objectives defined by Rush.

As with every medical society, Rush hoped that the presentation and exchange of scientific information would be a major activity of the College—and indeed it was. The meetings of the College were devoted, in part, to the presentation of papers and communications from Fellows and other physicians, both American and foreign. The first paper read before the College (besides Rush's) was a communication on 4 September 1787 from Dr. Thomas Dolbeare of London to Rush describing "a Singular Case of the Curvature of the Spine." In the ensuing five years over forty papers were presented to the College on such topics as tetanus, influenza, measles, hydrocephalus, and an account from a Maryland physician of a "Headache cured by the discharge of a worm from the nose." Following the suggestion of Rush, the College published a number of these papers in its first volume of *Transactions*, which appeared in 1793.²

Rush also proposed that the College create a botanical garden to "furnish us with an opportunity of cultivating that part of the *Materia Medica*, which is derived from the vegetable kingdom." In April 1787 the College organized a committee for this purpose, and in March of the following year petitioned the General Assembly for a piece of land in the city for the garden. The Assembly, however, failed to act on the measure.

The Fellows were more successful with another of Rush's proposals, that of creating a library to "help diffuse knowledge among us upon easy terms." During the spring of 1788 a committee was formed to draft a plan, though the committee's plan was nothing more than a request of the Fellows to present volumes from their libraries. Not until December of that year were the first volumes received, when John Morgan (1735-1789), one of the founders of the College and the founder of the first medical school in America (what is now the Medical School of the University of Pennsylvania), donated sixteen volumes. Other Fellows soon followed Morgan's example and, before long, the College allocated funds to purchase and bind books,

and to erect a bookcase to hold them. Meanwhile, more books came to the College as a bequest from Morgan, among them a handsome copy of Morgagni's *De Sedibus et Causis Morborum* (Venice, 1761), which the great pathologist had given Morgan in Italy.

One of the chief responsibilities of the College, according to Rush, was to create and maintain order and uniformity in the profession, not through examinations and licenses, but "by establishing incentives and rewards for character." This concerned the regulation of the practice of medicine, as well as professional ethics. The Fellows involved themselves with the former issue in March 1794, when a committee of the State Legislature requested the assistance of the College on a bill it was drafting on the subject. In response, the Fellows recommended that prospective practitioners, excepting graduates of the University of Pennsylvania, should be examined in Philadelphia by a board selected by the College from its own ranks; and that apothecaries also undergo a similar test. While the committee of the Legislature approved this recommendation in principle, the bill did not pass.

Regarding the thorny issue of ethics, the College was forced to take action on charges of unprofessional conduct against two of its Fellows during its early years. Of the case against John Linn (or Lynn) (d.1793), little is known except that his name was struck from the roll, apparently without a hearing, which Linn charged as "unconstitutional, cruel, and unprecedented." Another case was that of John Foulke (1757-1796), one of the founders, who was charged with unprofessional conduct by another founder, William Currie (1754-1828). Currie claimed that Foulke had violated Article 6 of the College's by-laws, which forbade any Fellow from attending or prescribing for any patient under the care of another Fellow, except as a consultant or in a case of emergency. After hearing the evidence, the College concluded that there was no cause for action against Foulke.

Rush hoped that the preparation of an American dispensatory would be one of the first accomplishments of the College, but it was not until 1833 that the College was in any way involved in such a project. In that year, George Bacon Wood (1797-1879) and Franklin Bache (1792-1864), two Fellows of the College, published their *Dispensatory of the United States of America*.³ This superb work of scholarship was designed especially to illustrate *The Pharmacopoeia of the United States of America* (Philadelphia, 1831),⁴ which was largely the work of the College. The creation of a national

pharmacopoeia had been a project of the College since its founding.

In his discourse Rush exhorted the Fellows to take an active role "in matters that relate to the health and happiness of our fellow citizens," and it was in the area of public health that the College was most active during its early years. On 4 September 1787 the College appointed a committee to prepare a memorial to the Pennsylvania State Legislature, "setting forth the pernicious effects of spirituous liquors upon the human body," and urging the adoption of a law "to diminish their consumption." The memorial, pronouncing distilled liquors as a cause of dropsy, palsy, apoplexy and madness, was sent to the Legislature that November. Although nothing came of its petition at the state level, the College continued in its quest for temperance legislation, appealing to Congress in 1790 to levy heavy duties to discourage consumption. The Fellows were no more successful in Washington, D.C. than they had been in Pennsylvania.

Besides temperance, the College expressed its views on other matters of public health, calling for the establishment of hot and cold baths in the city and the erection of a hospital for contagious diseases. The College also recommended measures to prevent contagious diseases from being brought into the city by incoming vessels, and offered advice to both the city and the state during the yellow fever epidemics of the 1790s.

Rush resigned from the College of Physicians in November 1793 as a result of a bitter dispute with the Fellowship over his controversial treatment of the yellow fever during the tragic epidemic of that year. Although Rush had departed from the institution he helped create, his ideal of what the College should be continued to be held not only by his former colleagues, but by the generations of Fellows that have followed. Rush's discourse advanced a vigorous plan for addressing the challenges confronting the eighteenth-century medical community. While the challenges of 1787 are no longer relevant to today's medical community, the manner and the spirit in which Rush hoped to meet these challenges are. Rush envisioned the College as an active and energetic organization, dedicated to serving both the community and the profession. For the past two centuries the leaders of the College have not lost sight of this vision.

Today, the College is a distinguished medical not-for-profit educational institution that promotes discussions and debates concerning the pertinent issues facing the profession and the community through its meetings and conferences, collects and disseminates bio-medical information through its

Library, educates through its Mütter Museum, publishes through it *Transactions & Studies*, and since 1976 has supported historical research through its Francis C. Wood Institute. In celebrating its bicentennial, the College looks forward to beginning its third century of service in the spirit so eloquently enunciated by Rush two hundred years ago.

Thomas A. Horrocks
Curator,
Historical Collections of the Library

NOTES

1. Benjamin Rush, *Letters of Benjamin Rush*, Edited by L.H. Butterfield, 2 vols. (Princeton: Princeton University Press, 1951):1, pp. 312-313.
2. *Transactions of the College of Physicians, of Philadelphia*, Volume 1, Part 1 (Philadelphia: Dobson, 1793).
3. George B. Wood and Franklin Bache, *The Dispensatory of the United States of America* (Philadelphia: Grigg & Elliot, 1833).
4. *The Pharmacopoeia of the United States of America. By authority of the National Medical Convention held at Washington, A.D. 1830* (Philadelphia: Grigg, 1831).

A DISCOURSE

DELIVERED BEFORE THE

COLLEGE OF PHYSICIANS

OF PHILADELPHIA, FEB. 6th, 1787.

ON THE OBJECTS OF THEIR INSTITUTION.

BY BENJAMIN RUSH, M.D. &c. &c.

MR. PRESIDENT AND GENTLEMEN,

I FEEL peculiar pleasure in reflecting, that the late revolution, which has given such a spring to the mind in objects of philosophical and moral enquiry, has at last extended itself to medicine, and in less than five years after the peace, before the human faculties had contracted to their former dimensions, a college of physicians, formed upon principles accommodated to the present state of society and government in America, has been established in the capital of the United States.

THE design of the present essay is to point out, in a few words, the advantages which, may be de-

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rived from this institution, and to suggest the many resources, which our country offers for the improvement of medicine.

I SHALL consider the objects and advantages of our institution. 1st. as a College, and 2ndly, as a Medical Society.

I. By assuming the name of a College, we shall 1st. be able to introduce order and dignity into the practice of physic, by establishing incentives and rewards for character. Men are generally anxious to preserve the good opinion of those with whom they are obliged to associate. The reception we shall meet with from each other in our meetings will serve to correct or to improve our conduct. And if we are as chaste as we should be, in the admission of members, a fellowship in our college will become in time, not only the sign of ability, but an introduction to business and reputation in physic.

2ndly. By assuming the name of a College we may give a sanction to an American Dispensatory—for I take it for granted, this will be one of the first objects of our attention.—

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—THE variety in the degrees, and perhaps nature of our diseases, and the many remedies which are peculiar to our country, which have as yet no place in foreign dispensaries, render this undertaking a matter of absolute necessity.

3dly. By means of our association, under the title of a College, we shall be better able to attract the attention of the government of our country, in matters that relate to the health and happiness of our fellow citizens. In the year 1725, the College of Physicians of London, presented an address to the British House of Commons, in which they bore such a testimony against the pernicious effects of distilled spirituous liquors, as laid the foundation of several excellent laws, that were calculated to lessen the consumption, and of course, the fatal consequences of those liquors. The disinterestedness of such interpositions of a medical faculty, in favour of the health and morals of their fellow citizens, cannot fail of ensuring their success with a legislature.

4thly. By stated meetings as a College, we may promote enquiries and observations upon the prevailing diseases of the city. Here the timid may be encouraged, and the sanguine may be taught to doubt. Here the young practitioner may profit by the experience of the old, and the old by the boldness

boldness of enquiry, and modern improvements of the young. Here, uniformity in principle, and practice in medicine, will gradually insinuate themselves. Nor will the advantages of our conferences end in the acquisition of knowledge. The heart will naturally interest itself in the pursuits of the head. Here friendships will be contracted and cemented, and occasional and unavoidable suspicions or disputes may here be accommodated by explanation or mediation. By these means we shall become, not only the guardians of the honor of the profession, but likewise of each other's character.

II. As a MEDICAL SOCIETY associated for the purposes of collecting and publishing medical observations and enquiries, an ample field lies open before us.

THE human body still contains secrets which have eluded the enquiries of the anatomists and physiologists of the *old* world. Who knows but they may be reserved by Heaven, to give immortality to the name of an American physician.

OUR country abounds with objects for the improvement of Chemistry, Botany, and Materia Medica. How few of the fossil and vegetable substances peculiar to America, have been examined

mined by men capable of applying them to the purposes of medicine!

THE winds, the local situations of the different parts of America, and the particular diet—dress—customs—manners—occupations—and buildings of our country, furnish immense opportunities for the improvement of pathology.

It remains yet to be discovered and recorded, whether the extent of human life has been encreased or diminished in America.

THE effects of agriculture, horticulture, manufactures, commerce and civilization, in their progress from their first to their last stages, upon the health and life of man, can at present be ascertained with precision in America. Here, too, we may discover the symptoms which gradually accompany the change of natural into artificial diseases.

THE comparative effects of the different articles of agriculture upon health, such as wheat, Indian corn, rice, tobacco and indigo, remain yet to be explored in this country.

THE cutting down of our woods has had a sensible effect upon our climate, and upon the health of our inhabitants. It remains yet to be determined

ed whether the increase of fevers from this cause, is produced by the encrease of exhalation, or by the progress of easterly winds westward, as has been supposed by Mr. Jefferson, in his notes on Virginia.

It yet remains to ascertain the full influence of cultivation upon our bodies. The highest degrees of it known in America, have had a visible effect upon health. In Connecticut, one of the oldest and best cultivated states in the union, remitting and intermitting fevers are seldom known.

It is certain that more rain and less snow have fallen in our winters, within these few years, than formerly. It becomes us to enquire, whether the change in the moisture of our atmosphere, from this cause, has added to the number or altered the symptoms of our diseases.

THE comparative influence of the moon on diseases in this country, is a subject worthy of close investigation, though unfortunately hitherto but little attended to.

AMERICA furnishes almost the only spot on the surface of the globe, to determine whether different forms of government have any influence upon health and life. In countries where power is confined, by hereditary succession, to a few hands the effects of political passions are much limited. But even in these countries, we often read or hear of
their

their baneful operation upon the human body. The abbe Richard tells us, it has more than once happened, that cardinals have died in twenty-four hours after the election of a pope—and I have heard a well-attested anecdote of a Swedish officer, who was seized with a bilious colic, which terminated in a palsy, from a rebuke which he met with from the present King of Sweden. In a country, where the safety, power, and offices of government are the objects of attention or desire of every man, it is a matter highly interesting to know what are the effects of the passions, which are excited by those objects, upon the human body. Are madness, melancholy, the hysteria and hypochondriasis, more frequent in republics than in monarchies? I think we are possessed of a sufficient number of facts to determine this question.

It remains yet to determine the comparative effects of *labour* and *learning* upon health and life. At present the former, compared with the latter, in the middle and southern states, is in the ratio of four to one. From the number and growth of the colleges and schools lately established in these states, it will be in our power to determine, in a few years, whether we have increased or diminished, with knowledge, the health of our fellow citizens.

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THE influence of religious opinions upon health and life may be discovered in America; for, by the principles and forms of our constitutions, a boldness and freedom of enquiry upon religious subjects have been introduced among us, which have been hitherto unknown in the world.

THE effects of emigration upon life and health, have as yet been the subject of no enquiry. Is the *maladié de pays*, or homesickness, so distressing and fatal to the Swifs, common to all the emigrants from Europe on their first arrival among us? Are they most subject to our epidemic diseases, the *first* or *second* year after they arrive in our country? Is there any mode of preventing these diseases? And lastly, do these persons exceed in health or life the natives of America? We have many facts which will enable us to determine each of these questions.

THE effects of the mixture of the human species of different nations and countries upon health and life, may here be determined by accurate observations. It is certain, that the inferior species of animals are improved in strength by the mixture. But further; the mulatto possesses stronger stamina than belonged to his father or mother. The size, strength, health and longevity of Englishmen have been ascribed to the intimate mixture of the blood of half the nations of Europe, from which they
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are descended. To the effects of this mixture, likewise, may be ascribed that elevation and perfection which the human understanding has acquired in Great Britain. I take pleasure in sacrificing national prejudice to truth and philosophy by introducing this observation, especially as I anticipate the same national character from the operation of similar causes upon the citizens of America.

THERE are several diseases peculiar to our country which have never been described.

THE vomiting and purging, which are so frequent and fatal in the summer months, in all the cities of America, would furnish an excellent subject for medical enquiry.

THE cause of the *decay of the teeth*, which is so frequent in the middle and eastern states of America, will admit of much curious and useful speculation.

THE sudden and often fatal effects of a draught of cold water upon the human body in this city, and the remedies proper to remove them, will furnish another subject for a medical communication*.

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* This subject has since been examined by the author, in a Volume of Medical Inquiries and Observations, published in 1788.

THE qualities of our pump water, and the influence of building upon it, are proper subjects for chemical investigation.

THE reason why the suburbs and south end of our city are more subject to autumnal fevers than its centre and north end, and why these fevers are less frequent within these three years than formerly, deserve our attention.

THE high price of fire-wood, makes it necessary to examine the effects of fossil coal, and stove rooms, upon health and life.

THE symptoms and degrees in which our acute and chronic diseases agree and disagree with the descriptions of the same diseases published in Europe, will furnish ample matter for observation.

AN enquiry into the causes why the Dysentery is equally the consequence of a dry and wet summer, and why it appears on the summit of high grounds, while the vallies below them are visited with remitting and bilious fevers, may lead us to determine, whether that disorder be idiopathic, or whether it be the *febris introversa* of Dr. Sydenham.

FOR the sake of obtaining full information and accurate observations of the state of the air and
weather

weather (so essential to obtaining a history of diseases), I would recommend to the College, to appoint one of their body for the following purposes.

1st. To record and communicate to the College an exact account of the temperature of the weather as measured by Fahrenheit's Thermometer.

2ndly. To record the variations in the weight and moisture of the air, by the Barometer and Hydrometer.

3dly, To record the state of the winds.

4thly. To measure exactly the quantity of water that falls in our city. These observations will be more useful, if we can obtain from the sextons of the different churches in the city, such a return of the deaths, as will enable us to ascertain the increase or decrease of mortal diseases by the bills of mortality. To render these bills more useful, let the sexton be directed, in every case of death, to apply to the physician who has attended the patient for the name of the mortal distemper.

LET the observations on each of these subjects, be delivered every month to the College.

To obtain an accurate knowledge of the epidemics of the city, I would recommend the
prefer-

preservation of the accounts of the diseases that are kept in the *Dispensary*. If these diseases be recorded by the names that are given to them by Dr. Cullen, in the last edition of his *Nosologia Methodica*, the account of them cannot fail of being highly useful and beneficial to the public.* To derive the utmost possible advantage from this history of our epidemics, let us endeavour to procure similar observations from different parts of the state, and from every state in the union.

To render our city as celebrated for medical advantages, as it has long been for other things, it will be necessary to erect in it *warm* and *cold baths*. The advantages of both these remedies in a country where the diseases from heat and cold are so predominant, need not be mentioned.

A MEDICAL Library †, will help to diffuse knowledge among us upon easy terms, while a botanical garden will furnish us with an opportunity of cultivating that part of the *Materia Medica*, which is derived from the vegetable kingdom.

SHOULD

* The Tables, with which this volume commences, will shew that this proposal has been fully adopted.

† It has been established by the College, and now consists of a number of scarce and valuable books.

SHOULD an application be made to the legislature, there can be no doubt of our obtaining a suitable piece of ground for that purpose.

THUS, Mr. President and Gentlemen, have I pointed out in a few words, the great objects and advantages of our College of Physicians.

I SHALL conclude with the following remarks. It is a general opinion that the condition of man in our world is mending. The conveniences and pleasures of life, are daily multiplying by the inventions of philosophy. Many disorders, once deemed incurable, now yield to medicine. No wonder then that a general expectation prevails—that a revolution is soon to take place in favour of human happiness. Natural means appear to be the instruments designed by heaven to fulfil its purposes of mercy and benevolence to mankind. I am fully persuaded there does not exist a disease in nature, that has not an antidote to it. And when I consider the influence of liberty and republican forms of government upon science, and the vigour which the American mind has acquired by the events of the late revolution, I am led to hope that a great portion of the honor and happiness of discovering and applying these antidotes may be reserved for the physicians of America.

Faint, illegible text, likely bleed-through from the reverse side of the page.

Rush's discourse appeared in Volume I of the *Transactions* of the College of Physicians, which was published in 1793. We at the Historical Collections of the Library, on behalf of the College of Physicians, take pleasure in offering this facsimile as a memento of the 1987 meeting of the American Association for the History of Medicine and of the bicentennial of the College of Physicians of Philadelphia. The College wishes to convey special thanks to David Y. Cooper, M.D., for his generous contribution toward the printing cost of this pamphlet.

