

CASE STUDIES IN PLAGIARISM

Study #1 - “Great Muslim Scientists”

Authored by Hasan Saleem

Plagiarized by Yusuf Estes

Detailed Documentation

Prepared by:

M. Richardson

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CASE STUDIES IN PLAGIARISM (#1)

Side-by-Side Comparison of Two Recent Articles on “Great Muslim Scientists”

Muslim Scientists Found Amazing Discoveries In Geometry, Medicine & More

Author: Yusuf Estes

July 13, 2013

Many are surprised to learn of the great and wonderful contributions given to modern day science by Muslim scholars over the centuries. Muslim Spain is no exception.

Here are just a few of the 'Greats' when it comes to medicine, algebra (named for the man himself), philosophy, astronomy, religious understandings, history, mathematics, geography and more. Take a look.

GREAT MUSLIM SCIENTISTS

Muslims, especially during their golden era, have made major contributions to all spheres of science. At times, Muslim scientists were pioneers in certain fields of study. Below is a list of some renowned Muslim scientists and a brief summary of each of their amazing contributions.

IBN SINA

Ibn Sina was one of the greatest Muslim scientists that ever lived. He was so proficient in his skill that he had good command over Qur'anic study and various sciences by the age of 10. Ibn Sina is the most famous physician, philosopher, encyclopedist, mathematician and astronomer of his time.

Medicine is indebted to Ibn Sina for his book called *al-Qanun fil-Tibb*, which is popularly known in the west as "Canon". This book, *The Qanun fil-Tibb*, is a huge encyclopedia of medicine that has over one million words. The book was written after surveying ancient and Muslim medical knowledge available at the time. This book had a systematic and formal

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<p>approach and also an intrinsic value, which is why it was superior to other similar works and remained supreme for six centuries.</p> <p>Al Qanun is not just a compilation but also rich with the author's original contributions. Some findings contained in the book include:</p> <ul style="list-style-type: none"> 7 Recognizing that phthisis and tuberculosis were contagious 7 Discovering the distribution of diseases by water and soil 7 Discovering the relation between psychology and health <p>The book described pharmacological methods and also 760 drugs and was regarded as the most authentic materia medica of that era.</p> <p>Ibn Sina was the first person to ever describe meningitis and made rich contributions to anatomy, gynecology and child health. He also wrote a philosophical encyclopedia called <i>Kitab al-Shifa</i> and embodied vast knowledge from philosophy to science.</p> <p>In addition, Ibn Sina made contributions in the fields of mathematics, physics, music and astronomy.</p> <ul style="list-style-type: none"> 7 He explained the "casting out of nines" and how it could apply to the verification of squares and cubes 7 He devised something similar to the vernier that would increase the precision of instrumental readings 7 He studied different forms and concepts of force, vacuum and infinity 7 He derived the conclusion that the speed of light must be finite 7 He advocated that there was a relationship between time and motion 7 He also investigated specific gravity and used an air thermometer <p>ABUL WAFI MUHAMMAD AL-BUZZANI</p> <p>Abul Wafi contributed mainly in the field of mathematics, especially in the fields of geometry and</p>	<p>approach and also an intrinsic value, which is why it was superior to other similar works and remained supreme for six centuries.</p> <p><i>Al Qanun</i> is not just a compilation but also rich with the author's original contributions. Some findings contained in the book include:</p> <ul style="list-style-type: none"> • Recognizing that phthisis and tuberculosis were contagious • Discovering the distribution of diseases by water and soil • Discovering the relation between psychology and health <p>The book described pharmacological methods and also 760 drugs and was regarded as the most authentic materia medica of that era.</p> <p>Ibn Sina was the first person to ever describe meningitis and made rich contributions to anatomy, gynecology and child health. He also wrote a philosophical encyclopedia called <i>Kitab al-Shifa</i> and embodied vast knowledge from philosophy to science.</p> <p>In addition, Ibn Sina made contributions in the fields of mathematics, physics, music and astronomy.</p> <ul style="list-style-type: none"> • He explained the "casting out of nines" and how it could apply to the verification of squares and cubes • He devised something similar to the vernier that would increase the precision of instrumental readings • He studied different forms and concepts of force, vacuum and infinity • He derived the conclusion that the speed of light must be finite • He advocated that there was a relationship between time and motion • He also investigated specific gravity and used an air thermometer <p>ABUL WAFI MUHAMMAD AL-BUZZANI</p> <p>Abul Wafi contributed mainly in the field of mathematics, especially in the fields of geometry and</p>
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trigonometry. His achievements and contributions to the field of geometry include:

- 7 • Solving geometrical problems by opening a compass
- 7 Making a square equal to other squares
- 7 Making a regular polyhedral
- 7 Building a regular hectagon by taking half the side of the equilateral triangle inscribed in the same circle for its side
- 7 Making a parabola by points
- 7 Providing a geometrical solution to the equations:
 - 7 o $x^4 = a$
 - 7 o $x^4 + ax^3 = b$

Abul Wafa also made some major contributions to trigonometry. Some of these are:

- 7 He was the first person to prove the generality of the sine theorem relative to spherical triangles
- 7 He developed a fresh method of constructing sine tables
- 7 He introduced the secant and cosecant for the first time
- 7 He created relations for sine (a + b) and the formulae:
 - 7 o $2\sin^2 \frac{a}{2} = 1 - \cos a$
 - 7 o $\sin a = 2 \sin \frac{a}{2} \cos \frac{a}{2}$

It is but a fact that a major part of modern day trigonometry can be traced back to Abul Wafa.

ABU HAMID AL-GHAZALI

Imam Al-Ghazali contributed mainly to the fields of religion, philosophy and sufism.

In the time of Al-Ghazali, Muslim philosophers had developed several viewpoints regarding Greek philosophy; this led to a conflict with several Islamic teachings.

At the same time, sufism took to an extreme and was diverging towards avoidance of obligatory prayers and duties of Islam.

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Tackling philosophy, Ghazali maintained that approaches of mathematics and exact sciences were fundamentally correct, but he used techniques found in Aristotelian logic and Neoplatonic procedures to counter Neoplatonic philosophy and reveal its flaws.

Unlike other Muslim philosophers, Ghazali showed that "reason" could not comprehend the absolute and the infinite as he argued that "reason" was only limited to the observation of the relative.

Also unlike other Muslim philosophers, Ghazali did not believe that the universe was finite in space but infinite in time and he contended that an infinite time was related to an infinite space.

Al Ghazali was responsible for cleansing the Sufi approach of Islam from all its excesses and reinstating the orthodox stream of Islam. Ghazali, with his deep and everlasting influence, is considered to be one of the greatest theologians of Islam.

ABU RAIHAN AL-BIRUNI

Al-Biruni was a scholar and scientist with expertise in physics, metaphysics, mathematics, geography and history. His famous book *Qanun-i Masoodi* talks about several theorems of astronomy, trigonometry, solar, lunar, planetary motions and related topics.

His other famous book called *al-Athar al-Baqia*, provides an account of the ancient history of nations along with related geographical facts. This book of his discusses the earth's rotation, providing correct values of latitudes and longitudes for a number of places.

Among his scientific contributions is the fact that he determined accurately the densities of 18 different stones. He also wrote another book called the *Kitab-al-Saidana* that combined the Arabic knowledge of medicine of that time with that of Indian medicine.

Al-Biruni, it is documented, began (before anyone else) discussing whether the earth rotates around its axis or not. Experiments carried out by Al-Biruni taken together with some other Muslim scientists formed the early basis of modern science. His other achievements include:

7 Discovering that as compared to sound, the speed of light is immense.

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<p>7 Explaining how natural springs and artesian wells work using the hydrostatic principle of communicating vessels.</p> <p>Al-Biruni is considered one of the greatest scientists of Islam and also counted among the greatest scientists of all times.</p> <p>ABU ABDULLAH AL-BATANI</p> <p>Al-Battani is regarded by some as one of the greatest Muslim Astronomers of Islam. The discoveries that he made in his days, both in astronomy and trigonometry, helped greatly in the development of these sciences.</p> <p>One of his famous discoveries is that he accurately determined the solar year as being 365 days, 5 hours, 46 minutes and 24 seconds. He also determined that the longitude of the sun's apogee had increased since Ptolemy by 16o, 47', implying discoveries of the motion of the solar apsides and of a slow variation in the equation of time.</p> <p>Battani also accurately determined the obliquity of the ecliptic, the length of the seasons and the true and mean orbit of the sun. In addition to this, he corrected several orbits of the moon and the planets and formulated a unique theory to determine conditions for visibility of the new moon.</p> <p>As a contribution to mathematics he is credited to have replaced Greek chords by sines as he understood them to be superior. He also developed the concept of cotangent, including furnishing their table in degrees.</p> <p>ABU AL-NASR AL-FARABI</p> <p>Al-Farabi has contributed to various fields such as science, philosophy, logic, sociology, medicine, mathematics and music. He is most remembered for his achievements as an excellent Encyclopedist.</p> <p>In philosophy, he attempted to synthesize Platonism and Aristotelism with theology and documented rich commentaries on Aristotle's physics, meteorology, logic, etc.</p> <p>Al-Farabi was the author of many books and was regarded as the second teacher after Aristotle.</p> <p>An important contribution to philosophy by Al-Farabi</p>	<ul style="list-style-type: none"> Explaining how natural springs and artesian wells work using the hydrostatic principle of communicating vessels. <p>Al-Biruni is considered one of the greatest scientists of Islam and also counted among the greatest scientists of all times.</p> <p>ABU ABDULLAH AL-BATANI</p> <p>Al-Battani is regarded by some as one of the greatest Muslim Astronomers of Islam. The discoveries that he made in his days, both in astronomy and trigonometry, helped greatly in the development of these sciences.</p> <p>One of his famous discoveries is that he accurately determined the solar year as being 365 days, 5 hours, 46 minutes and 24 seconds. He also determined that the longitude of the sun's apogee had increased since Ptolemy by 16o, 47', implying discoveries of the motion of the solar apsides and of a slow variation in the equation of time.</p> <p>Battani also accurately determined the obliquity of the ecliptic, the length of the seasons and the true and mean orbit of the sun. In addition to this, he corrected several orbits of the moon and the planets and formulated a unique theory to determine conditions for visibility of the new moon.</p> <p>As a contribution to mathematics he is credited to have replaced Greek chords by sines as he understood them to be superior. He also developed the concept of cotangent, including furnishing their table in degrees.</p> <p>ABU AL-NASR AL-FARABI</p> <p>Al-Farabi has contributed to various fields such as science, philosophy, logic, sociology, medicine, mathematics and music. He is most remembered for his achievements as an excellent Encyclopedist.</p> <p>In philosophy, he attempted to synthesize Platonism and Aristotelism with theology and documented rich commentaries on Aristotle's physics, meteorology, logic, etc.</p> <p>Al-Farabi was the author of many books and was regarded as the second teacher after Aristotle.</p> <p>An important contribution to philosophy by Al-Farabi</p>
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<p>was that he made the study of logic more easy by dividing it into two categories: Takhayyul (idea) and Thubut (proof).</p> <p>It was Al-Farabi's work at synthesizing philosophy and Sufism that paved the way for Ibn Sina's work.</p> <p>AL-FARGHANI</p> <p>Photo Wiki</p> <p>Al-Farghani was a distinguished astronomer. He was the author of "Elements of Astronomy" (Kitab fi al-Harakat al-Samawiya wa Jawami Ilm al-Nujum). This was a book discussing celestial motion as well as a thorough science of the stars. This book, after being translated into Latin, commanded great influence upon European astronomy. Al-Farghani was the one who calculated the diameter of the earth to be 6,500 miles.</p> <p>The book "The Elements of Astronomy" is regarded as Al-Farghani's best and most influential work. It was so influential in that there are quite a few references to it in books written by medieval scholars.</p> <p>It is certain that he was one of the greatest exponents responsible for spreading knowledge regarding Ptolemaic astronomy till the time of Sacrobosco's Sphere. This however did not diminish the value of his book "Elements of Astronomy" which continued to be used; Sacrobosco's Sphere clearly being indebted to it.</p> <p>It was from "Elements of Astronomy" that Dante stemmed the astronomical knowledge available in the 'Vita nuova' and in the 'Convivio'.</p>	<p>was that he made the study of logic more easy by dividing it into two categories: <i>Takhayyul</i> (idea) and <i>Thubut</i> (proof).</p> <p>It was Al-Farabi's work at synthesizing philosophy and Sufism that paved the way for Ibn Sina's work.</p> <p>AL-FARGHANI</p> <p>Photo Wiki</p> <p>Al-Farghani was a distinguished astronomer. He was the author of "Elements of Astronomy" (<i>Kitab fi al-Harakat al-Samawiya wa Jawami Ilm al-Nujum</i>). This was a book discussing celestial motion as well as a thorough science of the stars. This book, after being translated into Latin, commanded great influence upon European astronomy. Al-Farghani was the one who calculated the diameter of the earth to be 6,500 miles.</p> <p>The book "The Elements of Astronomy" is regarded as Al-Farghani's best and most influential work. It was so influential in that there are quite a few references to it in books written by medieval scholars.</p> <p>It is certain that he was one of the greatest exponents responsible for spreading knowledge regarding Ptolemaic astronomy till the time of Sacrobosco's Sphere. This however did not diminish the value of his book "Elements of Astronomy" which continued to be used; Sacrobosco's Sphere clearly being indebted to it.</p> <p>It was from "Elements of Astronomy" that Dante stemmed the astronomical knowledge available in the 'Vita nuova' and in the 'Convivio'.</p>
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SOURCES (Accessed July 17, 2013):

Mr. Yusuf Estes' article: <http://www.islamnewsroom.com/news-we-need/2109>

Mr. Hasan Saleem's article: <http://www.dirjournal.com/info/great-muslim-scientists/>

INITIAL ASSESSMENT AND FOLLOW-UP

The initial assumption made in this case was that it seemed Mr. Yusuf Estes copied the content of the article from Mr. Hasan Saleem's website. This assumption was made for two obvious reasons:

- 1) Mr. Hasan Saleem's article (dated July 2, 2013) was published before that of Mr. Yusuf Estes (dated July 13, 2013).
- 2) Mr. Yusuf Estes' version of the article contained formatting mistakes typical to copy and paste operations.

07-17-2013: Mr. Hasan Saleem was contacted by email, given the links to Mr. Yusuf Estes' article, and asked for an official statement regarding the matter.

07-17-2013: Mr. Hasan Saleem visited the "IslamNewsRoom" website to verify for himself that his article had indeed been plagiarized. He sent a message of objection to Mr. Yusuf Estes.

07-18-2013: Mr. Yusuf Estes' name was removed from the article on the "IslamNewsRoom" website and replaced with "Editor" as the new author. (Screenshots were taken both before and after this change.)

07-18-2013: Mr. Hasan Saleem responded about the incident by email, saying for the record:

"The article is a property of dirjournal.com and this guy copied it. He must [have] changed the name after the email I sent yesterday."

07-19-2013: Initial assumption confirmed. Deceptive actions taken by Mr. Yusuf Estes clearly indicate his guilt in this case of intellectual fraud. Case study closed.

07-19-2013: This documentation of incident published for those whom it may concern.

12-19-2013: A series of case studies of the plagiarism of Yusuf Estes is made available at www.YusufEstesQuran.com, as well as other reports of incidents of academic dishonesty.

Screenshot (A) of Mr. Yusuf Estes' Article

Taken July 17, 2013 from the "IslamNewsRoom" Website

ISLAM NEWSROOM.COM

 Still On Satellite - Galaxy 19
New Satellite Frequency
11836Mhz Vertical 20770 Symbol
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Muslim Scientists Find Cures!

Wednesday, 17 July 2013 00:00 | Author: Yusuf Estes |   

User Rating:  / 7
Poor      Best [Rate](#)

Muslim Scientists Found Amazing Discoveries In Geometry, Medicine & More

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Screenshot (B) of Mr. Yusuf Estes' Article

Taken July 17, 2013 from the "IslamNewsRoom" Website

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Screenshot (C) of Mr. Yusuf Estes' Article

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It was Al-Farabi's work at synthesizing philosophy and Sufism that paved the way for Ibn Sina's work.

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Photo Wiki

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
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Screenshots (D & E) of Mr. Yusuf Estes' Article (updated)

Taken July 18, 2013 from the "IslamNewsRoom" Website

Muslim Scientists Find Cures!

Wednesday, 17 July 2013 00:00 | Author: Editor |   

User Rating:  / 8

Poor      Best

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Screenshot (A) of Mr. Hasan Saleem's Article

Taken July 17, 2013 from the "Directory Journal" Website

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نحن الآن

Seven Great Muslim Scientists

by HASAN on JULY 2, 2013 · 4 COMMENTS
in EDUCATION, HISTORY, PEOPLE

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