

Library Bulletin

A monthly publication of LRC

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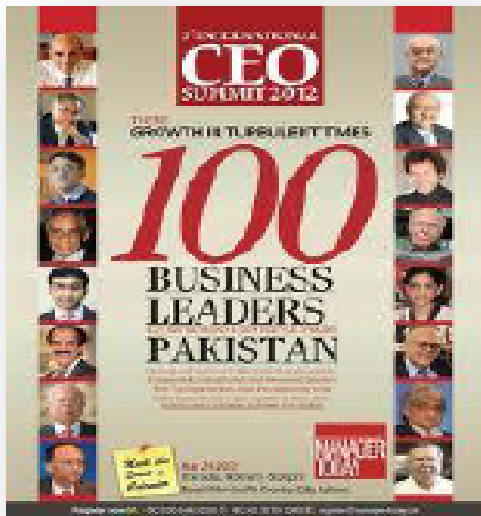
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News Corner

Rector UMT, Dr. Hasan Sohaib Murad, named among Top 100 Business Leaders of Pakistan



Dr. Hasan Sohaib Murad, The Rector University of Management and Technology, has achieved yet another milestone as he is named among Top 100 Business Leader of the Pakistan as measured by a book '*100 business leaders of Pakistan*'

The book also carries his interview from page 484-490.

The full text interview can be accessed @

Blog: <http://libraryumt.blogspot.com/2012/07/dr-hasan-named-among-top-100-business.html>

Facebook: https://www.facebook.com/pages/UMT-Learning-Resource-Center/125688044136751?sk=app_182667455607

Selected Article

Building universities by Dr Javaid R Laghari

Monday, June 25, 2012

Universities are the single most important producer of knowledge that leads to innovation, entrepreneurship and development of a knowledge economy. Once research is established at a university, creation of new ventures flourishes. According to author Richard Florida, “wherever creativity goes, and, by extension, wherever talent goes – innovation and economic growth are sure to follow.”

The World Bank identifies education and skilled force, ICTS and innovation as three of the four essential pillars of a knowledge economy. Likewise, the World Economic Forum identifies higher education and training, technology readiness and innovation as three of twelve pillars of a knowledge economy. According to a recent World Bank report, not only do higher education institutions help impart behavioural, cognitive, and technical skills that make workers effective in the labour market, they are increasingly valued as engines of research that can drive innovation, entrepreneurship and productivity.

The modern university, with its mix of teaching, innovation and research, is different from the universities of yesteryears, which only served as teaching grounds. By introducing innovation, creativity and interdisciplinary research as a vital component of teaching, the university contributes more directly to the economy and the society than many other institutions. Industrial countries have always viewed universities as an instrument for accelerating technology to enable them to stay ahead in competition. World War II was a boom for R&D at universities: The jet engine, nuclear power, radar, computers, and many other technologies took root in the 1940s in the research labs of the universities.

New small businesses created at the universities are the ones creating jobs, according to a study by the Kauffman Foundation. Since 1980, nearly all net job creation in the US occurred in firms less than five years old, which was the result of university incubation. Over the last four years these young start-ups created two-thirds of all new jobs. Apple, which started in 1976, has a valuation of \$508 billion, annual sales of \$128 billion, with over 200 m devices sold. Pakistan, on the other hand, came into being in 1947, its GDP (ppp) is \$480 billion, exports are \$30 billion, and the population is 180 million. Facebook started in a university dormitory by students in 2004. Today its valuation is over \$104 billion, with over 900 million users. Success stories continue even today: Instagram started in October 2010, and, with only 13 employees, was bought for \$1 billion by Apple in April 2012.

Stanford University triggered the establishment of the Silicon Valley. Hewlett Packard was the first company to start in a garage in 1939 initiated by two unemployed graduates of electrical

engineering with an investment of only \$500. MIT and Harvard are responsible for over 1,500 hi-tech companies around Route 128 in Boston. Companies established just by MIT have turnover exceeding \$11 trillion, roughly the size of Korea's current GDP. Likewise, North Carolina State University and Duke University initiated the Research Triangle, home to some of the largest R&D operations in the world.

In Europe, the Cambridge Science Park, founded by Trinity College in 1970, is the oldest science park in the UK, with strong links with the University of Cambridge. Ireland is yet another example of a modern knowledge economy. Since 1970, 17 Institutes of Technology have been established in Ireland. Today, Ireland is ranked as one of the wealthiest countries in the OECD. Finland, despite a major banking crisis in 1993, loss of trade and high inflation, invested in R&D and its economy grew. Today it ranks first in the number of researchers per 1,000 population. With a population less than half that of Karachi, its one high-tech company, Nokia, has more exports (\$48 billion) than all of Pakistan (\$30 billion).

East Asian Tigers South Korea, Hong Kong, Singapore and Taiwan followed Japan's example through the development of research universities in the 1960s and the 70s. The fruits are clear: Singapore's economy grew 189 fold since the country became independent from Malaysia – its per capita rising from \$512 in 1965 to \$36,537. South Korea became an economic superpower in less than four decades, increasing its GDP from \$3.9 billion in 1960 to over \$264 billion in 1990 to \$1.5 trillion now.

Emerging Asian economies are now beginning to adopt this model as well: Turkey in the last 20 years has built over 43 technology parks attached to its universities. The largest ones at METU, ITU and Bilkent University with over 700 companies generate revenues of over \$750 million. Turkey's GDP has grown to over 10 percent this year, with exports exceeding \$111 billion. In Malaysia, Edacity is building seven universities in a development zone three times the size of Singapore, expecting to attract over \$100 billion's investment in two decades. India over the next five years will establish 200 new universities, including nine new IITs, bringing the total number of IITs to 16.

Even oil-rich countries are beginning to realise the importance of a knowledge economy. King Abdullah University of Science and Technology in Saudi Arabia was established with a \$10 billion endowment, with strong facilities for research including the fastest supercomputer in the Middle East and one of the most powerful in the world. Qatar and the UAE have built their own knowledge cities, attracting the best Western universities. Iran has invested in excellent universities and there is an exponential increase in research coming from Iranian universities. Its nuclear power for peace programme is indigenously designed and -developed. Iran also plans to establish over 50 technology parks by 2015.

Pakistan is catching up too. With research at an all-time high, this year, six of its universities were ranked in the top 300 universities of Asia. The HEC has established six Technology Incubators at its leading research universities, and the results are beginning to show with the creation of new companies. Six more Incubators are planned, depending on funding. Seventeen Offices of Innovation and Research (ORIC) have been established in the last two years, and 13

more will be established in the next two years. Three Centres of Advanced Study and Research in priority areas of development (Energy, Food Security, Water) are being established this year. One technology park is on the anvil at Islamabad.

Pakistan therefore needs to continue to focus on investing in quality higher education and research, or risk being left behind other emerging economies in the region.

The writer is chairperson of the Higher Education Commission of Pakistan. Email: jlaghari@hec.gov.pk

Courtesy to The News



Current Contents of CAD

(All articles are hyperlinked, click to read fulltexts)

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2. Tahir Ali. (2012 June 25). Sugar-beet crushing in KP. *Dawn*, p. III.

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11. Faisal Bari. (2012 June 22). Limits of advertising. *Dawn*, p. 7.
12. Khaleeq Kiani. (2012 June 25). Measuring a firm's goodwill value. *Dawn*, p. I.

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14. Afshan Subohi. (2012 June 04). Hard realities ignored. *Dawn*, p. 1.
15. Alauddin Masood. (2012 June 10). Game of numbers. *The News*, p. III.
16. Akhtar Ali. (2012 June 10). The enduring budget realities. *Business Recorder*, p. 16.

17. Mubarak Zeb Khan. (2012 June 11). KP budget: more of the same. *Dawn*, p. II.
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22. Masood H Kizilbash. (2012 June 18). Spin-doctors at work. *Dawn*, p. IV.
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24. Zubeida Mustafa. (2012 June 20). Budget in an election year. *Dawn*, p. 6.
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36. Mohiuddin Aazim. (2012 June 18). Falling national savings. *Dawn*, p. VI.
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47. Punjab Sales Tax on Services Act-2012 : An overview Report. (2012 June 25). *Business Recorder*, p. 20.

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50. Anwar Syed. (2012 June 12). Equal opportunity in education. *Daily Times*, P. A6.
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53. Jazib Zahir. (2012 June 25). Who wants to be an actuary?. *The News*, p. IV.

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59. Khurram.Husain. (2012 June 14). The ghost in the machine. *Dawn*, p. 7

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64. Mehnaz Kaludi. (2012 June 16). Saving the textile industry. *The News*, p. 6.

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66. Manzar Zaidi. (2012 June 14). Islamism and modernity. *Daily Times*, p. 6.

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86. Babar Sattar. (2012 June 23). Scary roller coaster. *The News*, p. 7.
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88. Malik Muhammad Ashraf. (2012 June 28). The unrelenting tragedy. *Daily Times*, p. A7.
89. Tausif Kamal. (2012 June 28). A time to act. *Daily Times*, p. A7.
90. Huzaima Bukhari and Ikramul Haq. (2012 June 29). Finance Act 2012: Where is Parliament?. *Business Recorder*, p. 22.

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94. Akram Khatoon. (2012 June 20). Gender equality. *Business Recorder*, p. 20.

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97. Huzaima Bukhari and Ikramul Haq. (2012 June 26). Challenges in war against drugs. *Business Recorder*, p. 20.

98. Ikramul Haq. (2012 June 26). Curbing the menace of drugs. *The News*, p. 6.

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 119. Bina Shah. (2012 June 12). Pakistan is changing. *Dawn*, p. 6.
 120. Atta-ur-Rahman and S T K Naim. (2012 June 16). Reforms and innovation. *The News*, p. 6.
 121. Huma Yusuf. (2012 June 25). Communications strategy. *Dawn*, p. 6.

New Books Added

Arabic Collection:

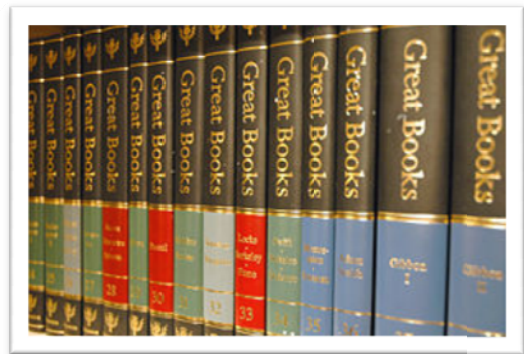
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Great Books of Western World (54 Volumes):

Is a series of books originally published in the United States in 1952 by Encyclopedia Britannica Inc. to present the Great Books in a single package of 54 volumes. The project got its start at the University of Chicago. University president Robert Hutchins collaborated with Mortimer Adler to develop a course, generally aimed at businessmen, for the purpose of filling in gaps in education, to make one more well-rounded and familiar with the "Great Books" and ideas of the past three millennia.

Among the original students was William Benton, future U.S. senator and later CEO of the Encyclopedia Britannica. He proposed selecting the greatest books of the canon, complete and unabridged, having Hutchins and Adler edit them for publishing by Encyclopedia Britannica. Hutchins was wary, fearing that the works would be sold and treated as encyclopedias, thereby cheapening them. Nevertheless, he agreed to the project and paid \$60,000 for it.



After debates about what to include and how to present it, with an eventual budget of \$2,000,000, the project was ready. It was presented at a gala at the Waldorf-Astoria Hotel in New York City on April 15, 1952. In his speech, Hutchins said "This is more than a set of books, and more than a liberal education. Great Books of the Western World is an act of piety. Here are the sources of our being. Here is our heritage. This is the West. This is its meaning for mankind." The first two sets would be presented to Queen Elizabeth II of the United Kingdom and U.S. President Harry S. Truman.

Sales were initially poor. After 1,863 were sold in 1952, less than one-tenth those numbers were sold the following year. A financial debacle loomed, until Encyclopædia Britannica altered the marketing strategy and sold the set (as Hutchins had feared) through experienced door-to-door encyclopedia salesmen. Through this method 50,000 sets were sold in 1961. In 1963 the editors published Gateway to the Great Books, a ten-volume set of readings designed as an introduction to the authors and themes in the Great Books series. Each year from 1961 to 1998 the editors published The Great Ideas Today, an annual update on the applicability of the Great Books to current issues.

Volumes:

Originally published in 54 volumes, *The Great Books of the Western World* covers categories including fiction, history, poetry, natural science, mathematics, philosophy, drama, politics, religion, economics, and ethics. Hutchins wrote the first volume, titled *The Great Conversation*, as an introduction and discourse on liberal education. Adler sponsored the next two volumes, "The Great Ideas: A Syntopicon", as a way of emphasizing the unity of the set and, by extension, of Western thought in general. A team of indexers spent months compiling references to such topics as "Man's freedom in relation to the will of God" and "The denial of void or vacuum in favor of a plenum". They grouped the topics into 102 chapters, for which Adler wrote 102 introductions. The volumes contained the following works, color-coding the spines to denote the categories:

Volume 1

The Great Conversation

- The great conversation: the substance of a liberal education / by Hutchins

Volume 2

Syntopicon I: Angel, Animal, Aristocracy, Art, Astronomy, Beauty, Being, Cause, Chance, Change, Citizen, Constitution, Courage, Custom and Convention, Definition, Democracy, Desire, Dialectic, Duty, Education, Element, Emotion, Eternity, Evolution, Experience, Family, Fate, Form, God, Good and Evil, Government, Habit, Happiness, History, Honor, Hypothesis, Idea, Immortality, Induction, Infinity, Judgment, Justice, Knowledge, Labor, Language, Law, Liberty, Life and Death, Logic, and Love

- The great ideas: a syntopicon of great books of the western world / edited by Adler & Gorman

Volume 3

Syntopicon II: Man, Mathematics, Matter, Mechanics, Medicine, Memory and Imagination, Metaphysics, Mind, Monarchy, Nature, Necessity and Contingency, Oligarchy, One and Many, Opinion, Opposition, Philosophy, Physics, Pleasure and Pain, Poetry, Principle, Progress, Prophecy, Prudence, Punishment, Quality, Quantity, Reasoning, Relation, Religion, Revolution, Rhetoric, Same and Other, Science, Sense, Sign and Symbol, Sin, Slavery, Soul, Space, State, Temperance, Theology, Time, Truth, Tyranny, Universal and Particular, Virtue and Vice, War and Peace, Wealth, Will, Wisdom, and World

- The great ideas: a syntopicon of great books of the western world / edited by Adler & Gorman

Volume 4

Homer

The Iliad
The Odyssey

- The Iliad of Homer and the Odyssey / by Butler

Volume 5

Aeschylus

The Suppliant Maidens
The Persians
Seven Against Thebes
Prometheus Bound
The Oresteia
 Agamemnon
 Choephoroe
 The Eumenides

- Aeschylus. Sophocles. Euripides. Aristophanes.

Sophocles

The Oedipus Cycle

Oedipus the King, Oedipus at
Colonus, Antigone, Ajax, Electra, The
Trachiniae, Philoctetes

Euripides

Rhesus, Medea, Hippolytus, Alcestis,
Heracleidae, The Suppliants, Trojan Women,
Ion, Helen, Andromache, Electra, Bacchantes,
Hecuba
Heracles Mad, Phoenician Women, Orestes,
Iphigeneia in Tauris, Iphigeneia at Aulis
Cyclops

Aristophanes

The Acharnians, The Knights, The Clouds, The
Wasps, Peace, The Birds, The Frogs,
Lysistrata, Thesmophoriazousae,
Ecclesiazousae, Plutus

Volume 6

Herodotus

The History

Thucydides

History of the Peloponnesian War

➤ The history of Herodotus: the
history of Peloponnesian war
Thucydides

Volume 8

Aristotle

Categories, On Interpretation, Prior Analytics,
Posterior Analytics, Topics, Sophistical
Refutations, Physics, On the Heavens, On
Generation and Corruption, Meteorology,
Metaphysics, On the Soul, Minor biological
works

➤ The works of Aristotle

Volume 9

Aristotle

History of Animals
Parts of Animals
On the Motion of Animals
On the Gait of Animals
On the Generation of Animals
Nicomachean Ethics
Politics
The Athenian Constitution
Rhetoric

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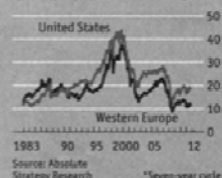
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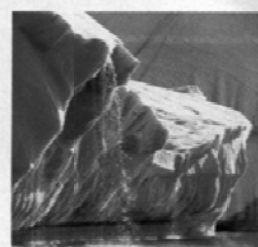
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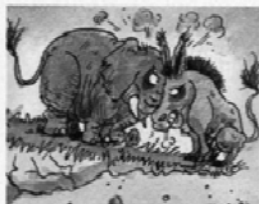


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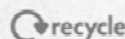
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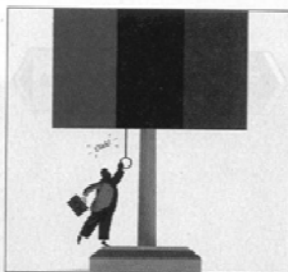


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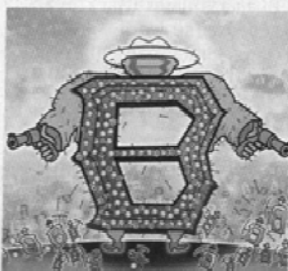
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Security guards surround Afghan President Hamid Karzai at his palace.
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Young graduates, flocking to Beijing with high hopes, cram into tenement dorms outside the city. Photograph by Sim Chi Yin—VII Mentor for TIME

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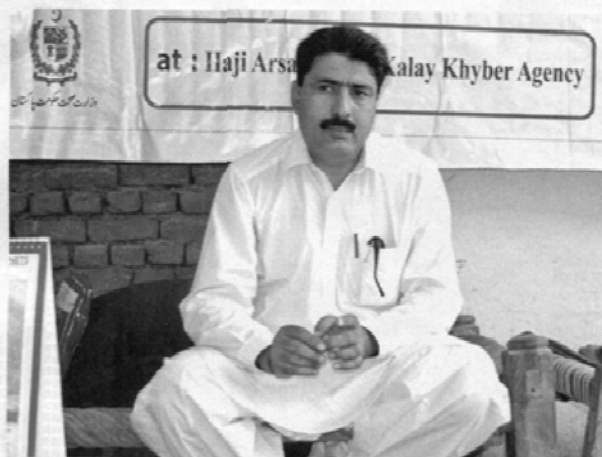
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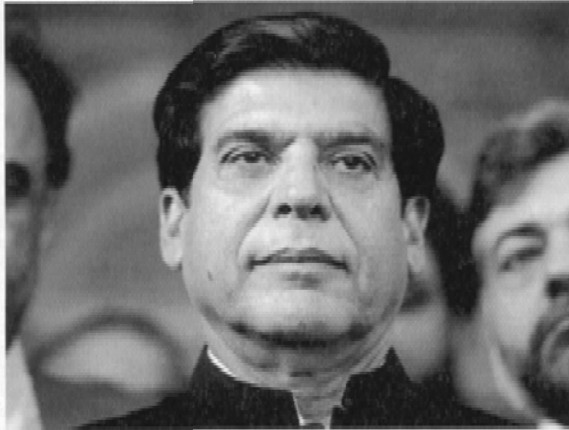

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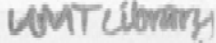
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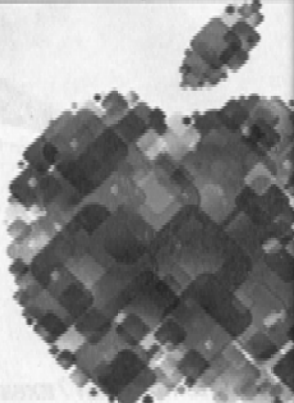
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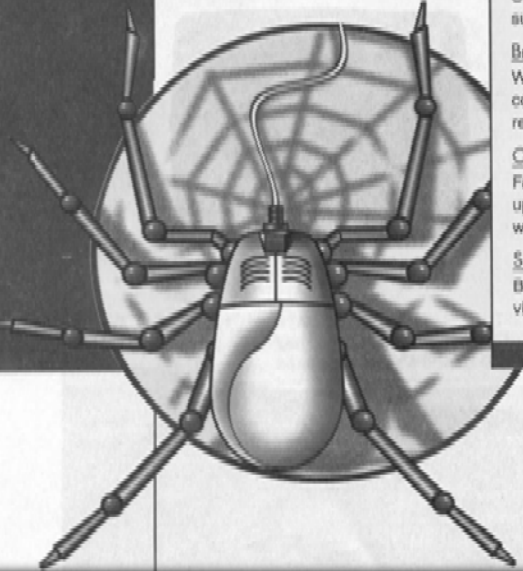


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Trillions of beneficial microbes thrive on the surface of our bodies and deep within our tissues. By identifying the specific effects that some of these tiny denizens have on our health, researchers are gaining a new view of how our bodies function and how certain modern diseases, such as obesity and autoimmune disorders, can arise. Image by Bryan Christie.

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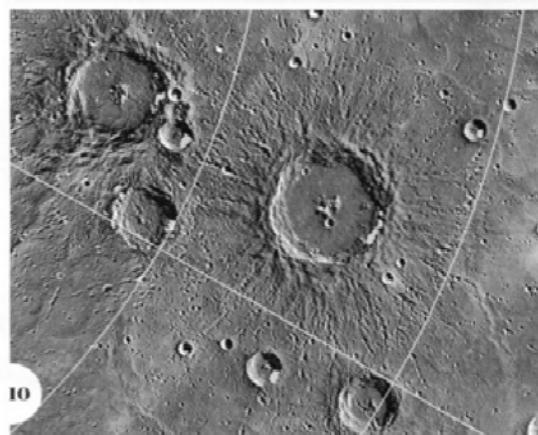
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