

Vita (2017)

Charles Irvin Dorsett
Retired August 31, 2015

Charles Irvin Dorsett
Associate Professor
Department of Mathematics
Texas A&M University-Commerce
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Education

Ph.D.	North Texas State University, Denton, Texas	1976
	Major Professor: Dr. M. R. Hagan	
	Research Area: Topology	
	Title of Dissertation: "R ₀ Spaces, R ₁ Spaces, and Hyperspaces"	
MS	Stephen F. Austin State University, Nacogdoches, Texas	1968
BS	Stephen F. Austin State University, Nacogdoches, Texas	1967

Experience

August 2016 – May 2017 Adjunct Texas A&M University - Commerce

August 30, 2015 Retired

Feb. 2012 – August 30, 2015 Associate Professor Texas A&M University – Commerce

Fall 2010 – February 2012 Texas A & M University-Commerce, Commerce, TX 75429
Interim Head – Mathematics Department

2010- Summer 2010 Texas A & M University-Commerce, Commerce, TX 75429

Tenured Associate Professor

Teach four classes each semester: College Algebra, Pre-Calculus, Calculus, Discrete Mathematics, Linear Algebra, College Geometry, Abstract Algebra, Number Theory, Business Mathematics, Essentials of Statistics, and Mathematics History

2004- 2010 Texas A & M University-Commerce, Commerce, TX 75429

Assistant Professor

Teach four classes each semester: College Algebra, Pre-Calculus, Calculus, Discrete Mathematics, Linear Algebra, College Geometry, Abstract Algebra, Number Theory, Business Mathematics, Essentials of Statistics, and Mathematics History

2003-2004 Texas A & M University-Commerce, Commerce, TX 75429
Ad Interim Assistant Professor

Teach four classes each semester: College Algebra,
Discrete

Mathematics, Abstract Algebra, Essentials of
Statistics, and Number Theory

2003-2004 Texas A & M University-Commerce, Commerce, TX 75429
Ad Interim Assistant Professor

Teach four classes each semester: College Algebra, Discrete
Mathematics, Abstract Algebra, Essentials of Statistics, and
Number Theory

1982-Retirement Louisiana Tech University, Ruston, Louisiana

2003 Associate Professor: September 1982
Professor: September 1990
Graduate Faculty: 1982

Teach two or three classes each quarter: Developmental,
General Mathematics, Finite Mathematics, Business Mathematics,
Intermediate Algebra, Algebra, Trigonometry, Pre-calculus, Calculus
I, Calculus II, Calculus III, Calculus IV, Linear Algebra, Abstract
Algebra, Introduction to Topology, Special Problems Classes in

Topology, Differential Equations, Introductory Statistics, Discrete Mathematics, and Mathematical History

Major Professor for Francis Hanna, August 1983,

Research Area: Topology

Title of Dissertation: "Characterizations of Semi Compact Spaces"

Recipient: Louisiana Tech University of Arts and Sciences Certificate of Excellence in Research 1984-85, Louisiana Tech University Sigma Xi Award 1987, Louisiana Tech Research Summer Grant 1988, Louisiana Tech University Research Developmental Summer Grant 1989, Louisiana Tech University Research Developmental Grant 1990, Louisiana Tech University Summer Research Grant 1992, Louisiana Tech University Sabbatical for the academic year 1992-1993 for continued research at the University of North Texas.

1979- 1982

Texas A&M University, College Station, Texas

Lecturer in Mathematics

Taught two to four classes each semester and help coordinate and manage the mathematics help sessions: Algebra, Trigonometry, Pre-calculus, and Calculus

1978-1979

North Texas State University, Denton, Texas

Lecturer in Mathematics

Taught four classes each semester: Algebra, Mathematics for Business Students, Introductory Probability and Statistics

1977-1978 Louisiana Tech University, Ruston, Louisiana

Assistant Professor of Mathematics

Taught three classes each quarter: Algebra, Trigonometry, and Calculus.

1976-1977 North Texas State University, Denton, Texas

Lecturer in Mathematics

Taught four Classes each semester: Algebra, Mathematics for Business Students, Trigonometry, Analytic Geometry, and Calculus

1971-1976 North Texas State University, Denton, Texas

Teaching Fellow

Taught: Algebra, Mathematics for Business Students, Trigonometry, Analytic Geometry, and Calculus

1968-1971 Stephen F. Austin State University, Nacogdoches, Texas

Instructor of Mathematics

Taught: Algebra, Trigonometry, Mathematics for Business Students,
Mathematics for Elementary Education Majors, and Analytic Geometry

1967-1968 Stephen F. Austin State University, Nacogdoches, Texas

Teaching Assistantship

Taught: Mathematics for Business Students

References

Dr. J. E. Allen Department of Mathematics
 University of North Texas
 Denton, TX 76203

Dr. Thomas A. Keagy Dean of the School of Arts and Sciences
 La Salle University
 Philadelphia, PA 19141

Dr. M. R. Hagan Department of Mathematics
 University of North Texas
 Denton, TX 76203

Dr. F. D. Alexander Department of Mathematics and Statistics

Stephen F. Austin State University
Nacogdoches, TX 75962

Dr. Stuart Anderson Department of Mathematics
Texas A&M University-Commerce
Commerce, TX 75429

Publications

Machel, Albert R., & Dorsett, Charles. (1970). Cyanide Analysis of Peaches. *Economic Botany*, 24 (1), 51-52.

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Dorsett, Charles. (1980). S-Weakly Hausdorff Spaces. *Bulletin of the Greek Mathematical Society*, 21 (3), 13-20.

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Dorsett, Charles. (1981). Semi Compactness, Semi Separation Axioms, and Product Spaces. *Bulletin of the Malaysian Mathematical Society*, (2) (4), 21-28.

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Dorsett, Charles. (1981). Semi Convergence and Semi Compactness. *Indian Journal of Mechanics and Mathematics*, 19 (1), 11-17.

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Dorsett, Charles. (1982). Product Spaces and Semi Separation Axioms. *Periodica Mathematica Hungarica*, 13 (1), 39-45.

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- Dorsett, Charles. (2010). Characterizations of Nonempty Finite Sets Using Subspaces, Convergence, and Related Properties. Pure Appl. Math Sci., 71, nos. 1-2, 23-31.
- Dorsett, Charles. (2011). Topological Characterizations of Nonempty Finite Sets Using Open Images and Separation Axioms, Ultra Scientist, 23(2) A, 451-454.
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Dorsett, Charles. (2013). Characterizations of Topological Properties using Closed and Open Set Subspaces, *Journal of Ultra Scientist of Physical Sciences*, 25 No. (3)A, 425 – 430.

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- Dorsett, Charles. (2014). The Number of Pseudometrizable and Equivalent Topologies on a Finite Set, *Question and Answers in General Topology*, 32, 105-112.
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Dorsett, Charles. (2015). Examples, Constructions, and Precise Identifications of Semiregular Spaces, *Pioneer Journal of Mathematics and Mathematical Sciences*, 14(1), 55-66.

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Dorsett, Charles. (2016). Weakly P_0 , T_0 -Identification P, and Not-Topological Properties, *Pioneer Journal of Mathematics and Mathematical Sciences*, 17(1), 41-49.

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Dorsett, Charles. (2016). New Properties, Tools, and Changes for Subspace Properties and Singleton Set Spaces, *Pioneer Journal of Mathematics and Mathematical Sciences*, 17(2), 79-85.

Dorsett, Charles. (2016). Applications of New Topological Properties in the Study of Singleton Set, Indiscrete, and Continuous Image Properties, *Journal of Mathematical Sciences: Advances and Applications*, 39(May issue), 27-38.

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Dorsett, Charles. (2016). The Singleton Set Property, And Closed And Continuous Closed Image Properties, *Pioneer Journal of Mathematics and Mathematical Sciences*, 17(2), 99-108.

Dorsett, Charles. (2016). Application of Weakly P Properties Giving Infinitely Many New Characterizations of T_1 and T_2 Spaces, *Journal of Mathematical Sciences: Advances and Applications*, 39, 89-98.

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Presentations

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Dorsett, Charles. (1979) *Semi Open Sets and Semi Separation Axioms*. Annual Spring Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1980). *Semi Open Sets and Semi Compactness*. Annual Spring Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1981). *Semi-Regular and Semi-Normal Spaces*. Annual Spring Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1982). *S-Regular and S-Normal Spaces*. Annual Spring Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1983). *Semi- T_0 -Identification Spaces and S-Essentially T_0 Spaces*. Annual Joint Meeting of the Louisiana-Mississippi Section of the Mathematical Association of America.

Dorsett, Charles. (1983). *S-Essentially T_1 Spaces*. Annual Spring Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1983). *Semi-Compactness*. College of Arts and Sciences Research Symposium, Louisiana Tech University.

Dorsett, Charles. (1984). *Decompositions of Uncountable Sets and S-Lindelof Spaces*. Annual Joint Meeting of the Louisiana-Mississippi Section of the Mathematical Association of America.

Dorsett, Charles. (1984). *Feebly Open Sets and Feebly Separation Axioms*. College of Arts And Sciences Research Symposium, Louisiana Tech University.

Dorsett, Charles. (1985). *Equivalent Induced Topologies and Semi-topological Properties*. Annual Joint Meeting of the Louisiana-Mississippi Section of the Mathematical Association of America.

Dorsett, Charles. (1985). *New Characterizations Using Feebly Open and Regular Open Sets*. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1985). *The Weak Feeble Topology and Properties of Product Spaces with the Weak Feeble Topology*. North Texas State University Mathematics Symposium.

Dorsett, Charles. (1986). *Locally Nearly Compact Spaces*. Annual Meeting of the American Mathematical Society, New Orleans, Louisiana.

Dorsett, Charles. (1986). *Feebly Compactness*. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1986). *Properties of Topological Spaces and the Semi-regularization Topology*. College of Arts and Sciences Research Symposium, Louisiana Tech University.

Dorsett, Charles. (1986). *New Characterizations of Regular Open Sets, Regular Closed Sets, Extremely Disconnectedness and RS -Compactness*. 830th Meeting of the American Mathematical Society, North Texas State University, Denton, Texas.

Dorsett, Charles. (1987). *Pre-Open Sets and Feeble Separation Axioms*. Annual Meeting of the American Mathematical Society, San Antonio, Texas.

Dorsett, Charles. (1987). *Semi-Continuous and Semi-Weakly Continuous Functions*. College of Arts and Sciences Research Symposium, Louisiana Tech University.

Dorsett, Charles. (1988). *Semi-Generalized Closed Sets and Semi- T_0 Spaces*. Annual Joint Meeting of the Louisiana-Mississippi Section of the Mathematical Association of America.

Dorsett, Charles, (1989). *Semiregularization Spaces and the Semi Closure Operator*. Louisiana Tech University College of Arts and Sciences Research Symposium.

Dorsett, Charles. (1989). *Semiregularization Spaces and The Semi Closure Operator and S-Closed Spaces*. The Northeast Conference on General Topology and Applications.

Dorsett, Charles. (1990). *Some Applications of the Feebly Open Topology*. College of Arts and Sciences Research Symposium, Louisiana Tech University.

Dorsett, Charles. (1990). *Properties of Topological Spaces and Feebly Open Sets*. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1991). *More Applications of Semi Open Sets and the Semi Closure Operator*. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (1991). *A Construction of Pretty Topological Spaces*. College of Arts and Sciences Research Symposium, Louisiana Tech University.

- Dorsett, Charles. (1991). *New Application of Semi-Regular Sets*. Summer Conference on General Topology and Applications in Honor of Mary Ellen Rudin and Her Work.
- Dorsett, Charles. (1992). *The Semi Open Set and the Semi-Regular Set Generated Topologies*. College of Arts and Sciences Research Symposium, Louisiana Tech University.
- Dorsett, Charles. (1992). *The Reduction of New Properties to Old Properties by a Change in Topologies*. The Northeast Conference on General Topology and Applications.
- Dorsett, Charles. (1993). *Totally and Totally Semi Disconnectedness with Generalizations*. National Joint Mathematics Meetings.
- Dorsett, Charles. (1993). *Recent Discoveries about Extremely Disconnectedness*. Annual Meeting of the Texas Section of the Mathematical Association of America.
- Dorsett, Charles. (1994). *Semi Topological Associated Topologies*. Annual Meeting of the Texas Section of the Mathematical Association of America.
- Dorsett, Charles. (2004). *Point-Set Topology*. Texas A&M University – Commerce Department of Mathematics Symposium Series.
- Dorsett, Charles. (2004). *New Characterizations of Separation Axioms*. Annual Meeting of the Texas Section of the Mathematical Association of America.
- Dorsett, Charles. (2005). *New Characterizations of Completely Hausdorff, Completely Regular, and Related Separation Axioms*. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2006). New Characterizations of Separation Axioms. Texas A&M University – Commerce Department of Mathematics Symposium Series.

Dorsett, Charles. (2007). The Rhind Papyrus Deciphered. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2007). The Rhind Papyrus Deciphered. Texas A&M University – Commerce Department of Mathematics Symposium Series.

Dorsett, Charles. (2008). From Observations and Questions in Introductory Topology to Answers. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2008). Characterizations of Countable Sets Using Equivalences of Separation Axioms. Texas A&M University Department of Mathematics Colloquium Series.

Dorsett, Charles. (2009). Set Sizes Characterized by Equivalence of Separation Axioms. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2009). Topologies on Finite Sets and the R_0 Separation Axiom. Texas A&M University Department of Mathematics Colloquium Series.

Dorsett, Charles. (2010). Additional Topological Characterizations of Finite Sets and a Check for the Total Number of Topologies on a Finite Set. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2011). Generalizations of the Weaker Separation Axioms and An Application. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2012). Topological Characterizations of Nonempty Finite Sets. Texas A&M University-Commerce Department of Mathematics Colloquium Series.

Dorsett, Charles. (2012). Characterizations of Nonempty Finite Sets using Closed Images and Separation Axioms. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2012). Onto Functionally Open Equal Closed Spaces, Texas A&M University-Commerce Department of Mathematics Colloquium Series.

Dorsett, Charles. (2012). The Pointwise Semi-Open Intersection Property, Semi-Strong Continuity, and Irresolute Functions, Texas A&M University-Commerce Department of Mathematics Colloquium Series.

Dorsett, Charles. (2013). Proper Subspace Inherited Properties. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2013). General Topology and Its History. Departmental Mathematics Club.

Dorsett, Charles. (2013). The Number of Topologies on a Finite set. Department of Mathematics Colloquium Series, Texas A&M University-Commerce.

Dorsett, Charles. (2013). The Number of Pseudometrizable Topologies and Their Topological Equivalences on a Finite Set. Department of Mathematics Colloquium Series, Texas A&M University-Commerce.

Dorsett, Charles. (2014). Termination of the Semiregularization Process, Semiregular Spaces, and Subspaces. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2015). Product Spaces and the Semiregularization Process. Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2016). Overlooked Topological Fundamentals, Annual Meeting of the Texas Section of the Mathematical Association of America.

Dorsett, Charles. (2016). Overlooked Topological Fundamentals, Texas A&M University-Commerce Department of Mathematics Colloquium Series.

Invited Presentations

Dorsett, Charles. (1985). *Connectivity Properties in Hyperspaces*. Special Session on Multifunctions, Hyperspaces, and Their Application at the 824th American Mathematical Society, Claremont College, Claremont, California.

Dorsett Charles. (1987). *The Semi Closure Operator*. Louisiana Tech University Sigma Xi Chapter Fall Meeting.

Dorsett, Charles (1983-1984). *Topological Spaces, Associated Sets, and Associated Topologies*. Stephen F. Austin State University Colloquium Series.

Honors

1963	National Honor Society.	<i>Mathematics, The Indian</i>
1966	Alpha Chi.	<i>Journal of Mathematics, the</i>
1966	Kappa Delta Pi.	<i>Bulletin of the Faculty of</i>
1984-1985	Louisiana Tech University College of Arts and Sciences Certificate of Excellence in Research.	<i>Science, and the Assiut University. A. Physics and Mathematics.</i>
1985	Invited speaker in the Special Session on Multifunctions, Hyperspaces, and Their Application at the 824th Meeting of the American Mathematical Society, Claremont College.	1986-1987 The American Biographical Institute Professional Performance Key Award; The Historical Preservations of America Biographee of the Year Award.
1985-1986	Invited member of the Board of Examiners to evaluate the dissertation of Tarit Kymar Majumdar, Ph.D. Sc. University of Calcutta.	1987 The American Biographical Institute Community Leadership Medallion Award; The Louisiana Tech University Sigma Xi Research Award; The American Biographical Institute Commemorative Medal of Honor; Enrollment on the International
1985- Present	Referee for the <i>Indian Journal of Pure and Applied</i>	

	Biographical Centre Honours List of Men of Achievement; The American Biographical Institute Distinguished		Leadership Award; The International Biographical Centre Certificate of Merit;
1987 cont.	Inaugurated as a lifetime Deputy Governor of the American Biographical Institute Research Association; The International Biographical Centre Certificate of World Leadership; Chosen as a lifetime Ambassador of Achievement by the American Biographical Institute; Recipient of The Statesman's Award; The American Biographical Institute International Cultural Diploma of Honor; Enrollment on the International Biographical Centre Honors List for International Leaders in Achievement; Honorary appointment as a contributing member of the American Biographical	1987-	Institute's Research Board of Advisors. Present Member of the Board of Editors for <i>Pure Mathematics Manuscript</i> .
		1988	The American Biographical Institute Commemorative Medal of Honor; recipient of a Louisiana Tech University Research Grant for Summer; Inducted into the Distinguished Leadership Hall of Fame; inducted into the American Biographical Institute Personalities of The Americas Hall of Fame; The International Biographical Plaque of Distinction; The International Biographical Roll of Honor Plaque; recipient of The Biographical Roll of Honor from the Historical Preservations of

	America; Recipient of The American Biographical Institute World Decoration of Excellence		American Biographical Institute Community Leaders of American Hall of Fame;
1988-	Present Referee for <i>Glasnik Mathematicki</i> ; referee for the <i>Bulletin of the Malaysian Mathematical Society</i> .	1990-1991	Recipient of a Louisiana Tech University Summer Research Grant; recipient of the American Biographical Institute Man of the Year 1990 Award; invited member of the Board of Examiners to evaluate the dissertation of Dilip Kumar Bagen, Ph.D., (Sc.), University of Calcutta; recipient of the American Biographical Institute Honor "Most Admired Man of the Decade".
1988-1989	Invited member of the Board of Examiners to evaluate the dissertation of Taysir Mustafa Jaber Nour, Ph.D., University of Delhi; invited member of the Board of Examiners to evaluate the dissertation of Kanan Majumdar, Ph.D., (Sc.), University of Calcutta.	1992	Recipient of a Louisiana Tech University Summer Research Grant; recipient of the American Biographical Institute "Silver Shield of Valor".
1989	Recipient of a Louisiana Tech University Summer Research Grant.		continued research at the University of North Texas; invited member of the board
1989-1990	Recipient of a Louisiana Tech University Research Grant; inducted into the		
1992-1993	Recipient of a Louisiana Tech University Sabbatical for the academic year for		

of examiners to evaluate the dissertation of Mrityanjoy Hazra, Ph.D., (Sc.), University of Calcutta; inducted as a charter member of the University of North Texas Sigma Xi Chapter; recipient of the International Biographical Centre's International Man of the Year Award.	1993	Charter recipient of Honour of the International Biographical Centre's 20th Century Award for Achievement; invited member of the board of examiners to evaluate the dissertation of Chanchal Kumar Basu, Ph.D., (Sc.), University of Calcutta; referee for <i>Real Analysis Exchange</i> .
Referee for <i>International Journal of Mathematics and Mathematical Sciences</i> .	2016	Referee for the Universal Journal of Mathematics and Mathematical Sciences

Who's Who Inclusions

Who's Who in the South and Southwest, 20th Edition

Personalities of America, 4th Edition

Who's Who in America, 44th Edition

The International Director of Distinguished Leadership, 2nd Edition
(with inclusion in the dedication section).

Men of Achievement, 12th Edition (with inclusion in the dedication section).

The Directory of Distinguished Americans, 4th Edition

Who's Who of Emerging Leaders In America, 1st Edition

Biography of the Year 1986-87, 1st Presidential Edition
International Register of Profiles, 9th Edition
Five Thousand Personalities of the World, 2nd Edition (with inclusion
in the dedication section)
Dictionary of International Biography, Volume 20
Community Leaders of America, Anniversary Edition
Personalities of the Americas, First Commemorative Edition
International Leaders in Achievement, 1st Edition (with inclusion in
the dedication section)
World Biographical Hall of Fame, Volume III
Who's Who in the South and Southwest, 21st Edition
Personalities of America, 5th Edition (with inclusion in the dedication
section)
Men of Achievement, 13th Edition (with inclusion in the dedication
section)
Grand Ambassadors of Achievement International, Anniversary Edition
The Directory of Distinguished Americans, 5th Edition
Who's Who of Emerging Leaders in America, 2nd Edition
The International Who's Who of Intellectuals, 8th Edition
Who's Who in Society, 1988 Edition
Who's Who in the World, 9th Edition
International Register of Profiles, Commemorative Tenth Edition
The International Book of Honor, Third World Edition
Directory of International Biography, Volume 21
Community Leaders of America, Fourteenth Edition
Who's Who in Texas, 1989-90 Edition
Men of Achievement, Fourteenth Edition
The First Five Hundred

Who's Who In the South and Southwest, 22nd Edition
The International Director of Distinguished Leadership, 3rd Edition
Who's Who in the World, 10th Edition
Men & Women of Distinction, 4th Edition
Five Thousand Personalities of the World, 3rd Edition
Biography International, Volume III/IV
Personalities of America, Sixth Anniversary Edition
Men of Achievement, Fifteenth Edition
Who's Who in America Education, Third Edition
International Register of Profiles, Eleventh Edition
Dictionary of International Biography, 22 Edition
Who's Who in Science and Engineering, 1st Edition
Two Thousand Notable American Men, First Edition
Who's Who In The World, 11th Edition
Who's Who in the South and Southwest, 23rd Edition
The International Directory of Distinguished Leadership, 4th Edition
Five Hundred Leaders of Influence
The International Who's Who of Intellectuals, Tenth Commemorative
Edition
5000 Personalities of the World, Fourth Edition
Who's Who in Science and Engineering, Second Edition
Dictionary of International Biography, 23rd Edition
Most Admired Men and Women of The Year, First Annual Publication
Who's Who of Contemporary Achievement, Third Edition
Who's Who in the World, 12th Edition
Who's Who in the South and Southwest, 24th Edition

Memberships in Professional and/or Community Organizations

American Mathematical Society

Bharata Ganita Parisad

National Academy of Sciences, India

Sigma Xi, The Scientific Research Society

Mathematical Association of America

American Biographical Institute Research Association (Inaugurated
as a lifetime Deputy Governor, September 1987)

The Indian Academy of Mathematics