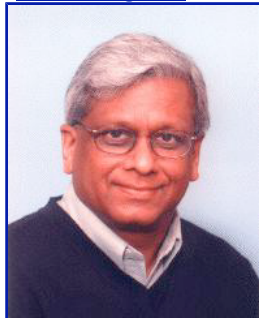


Journal Editorial Boards, Books and Public Outreach (as of Nov. 17, 2003)

Department of Physics and Astronomy, University of Rochester

Editorial Boards Authored Books Edited Books

Govind P. Agrawal



Editorial Board Member, Microwave and Optical Technology Letters (1998-now).
Editorial Board Member, Book series, Progress in Optics (2001--now).
Associate Editor, Optics Express, Optical Society of America (2001--now).
Topical Editor, Journal of Optical Society of America, Part B (1993--1998).
Editorial Board Member, Journal of European Optical Society, Part B (1994--1997).
Editor, Academic Press Book Series on Optics and Photonics (1998--2002).

Authored Books

G. P. Agrawal and N. K. Dutta, *Long-Wavelength Semiconductor Lasers* Van Nostrand Reinhold, New York 1986.

G. P. Agrawal *Nonlinear Fiber Optics*, Academic Press, San Diego, CA 1989; 2nd ed. 1995; Chinese Translation, 1992; Russian translation, 1996, Japanese Translation, 1997. 2nd ed.~1995; 3rd ed.~2001.

G. P. Agrawal, *Fiber-Optic Communication Systems*, Wiley, New York 1992; 2nd ed. 1997; Greek Translation, 2000. 3rd ed.~2002.

G. P. Agrawal and N. K. Dutta, *Semiconductor Lasers*, Kluwer Academic, Boston, 1993; reprinted, 2002.

G. P. Agrawal, *Applications of Nonlinear Fiber Optics* (Academic Press, San Diego, CA, 2001)

Y. S. Kivshar and G. P. Agrawal, *Optical Solitons: From Fibers to Photonic Crystals* (Academic Press, San Diego, CA, 2003).

Edited Books

G. P. Agrawal and R. W. Boyd, Eds. *Contemporary Nonlinear Optics* (Academic Press, San Diego, CA, 1992).

G. P. Agrawal, Ed., *Semiconductor Lasers: Past, Present and Future* (American Institute of Physics, New York, 1995).

Special issues on "Spatial and Polarization Dynamics of Semiconductor Lasers," Optics Express, July 1999; J. Opt. Soc. Am. B, Oct. 1999.

Special issue on "Fiber and integrated gratings: fundamentals, devices and applications," Fiber and Integrated Optics, June 2000.

Special issue on "Nonlinear Optics," IEEE J. Sel. Topics Quantum Electron., June 2002.

Priscilla S. Auchincloss (Senior Lecturer)



Programs

Director WISE Program

Director, REU Program in Physics

Director, REU Program in Optical Science

Director - Pre-College Program in Physics for 9th

and 10th grade high school students (PREP)

Director - Department of Education GAANN

Graduate Fellowships Program in Crossdisciplinary

Physics

Director - Department of Education GAANN

Graduate Fellowships Program in Chemistry and

Physics

co-Director - Teaching Internship Program

Doug Cline



Editorial board Phys. Rev. C (previous)

• Esther M Conwell



Editorial Board - Applied Physics Letters (1972-74, 1995-97)
Ed. Board - Journal of Applied Physics (1972-74, 1995-97)
Proc. IEEE (1977-78)
International Advisory Editorial board Current Applied Physics

Authored Books

E. M. Conwell *High Field Transport in Semiconductors* (Academic Press, 1969)

Edited Books

A. J. Epstein and E. M. Conwell editors, *Coherence and Quantum Optics: Proceedings of the International Conference on Low Dimensional Conductors, Boulder CO Aug. 1981* (Gordon and Breach, 1982, 3 volumes)

E. M. Conwell editor, *Highly Conducting Quasi-One Dimensional Organic Crystals Vol. 27 of "Semiconductor and Semimetal" Series* (Academic Press, 1988)

Ashok Das



Editor, Cross Sections, UR Dept. of Physics & Astronomy (2002)

Authored Books

A. Das and A. C. Melissinos, *Quantum mechanics: A modern introduction*, (Gordon Breach Publisher 1986)

A. Das, *Integrable Models*, (World Scientific Publishing 1993)

A. Das and T. Ferber, *Nuclear and Particle Physics*, (John Wiley 1993)

A. Das, *Field Theory: A Path Integral Approach*, (World Scientific Publishing 1993)

A. Das and T. Ferber, *Kern- und teilchenphysik*, (Spektrum Akademischer Verlag, Germany 1995)

A. Das, *Field Theories at Finite Temperature*, (World Scientific Publishing 1997)

A. Das, *Lectures on Quantum Mechanics* (Hindustan Publications March 2003)

A. Das, *Lectures on Electromagnetic Theory* (Hindustan Publications Sept. 2003)

A. Das and T. Ferber, *Nuclear and Particle Physics* (2nd edition, John Wiley 2003)

A. Das, *Advanced Topics in Integrable Models*, (in preparation)

A. Das, *Electromagnetism* (in preparation)

Edited Books

A. Das editor, *Proceedings of the Seventh MRST Meeting*, (1985)

A. Das editor, *Proceedings of the Ninth MRST Meeting*, (1987)

A. Das, editor, *From Symmetries to Strings: Forty Years of Rochester Conferences*, (World Scientific Publishing, 1995)

A. Das and D. Koltun editors, *From Spectroscopy to Chaos*, (World Scientific Publishing 1995)

A. Das and T. Ferber, editors, *Probing Luminous and Dark Matter*, (World Scientific Publishing 1999)

Nicholas P. Bigelow**Topical Editor for Optics Letters (OSA)- present****Edited Books**

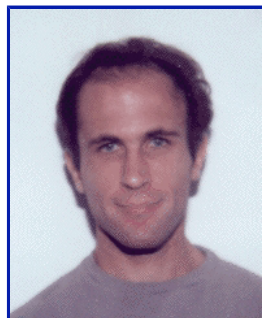
N. P. Bigelow, J. H. Eberly, C. R. Stroud and I. A. Walmsley editors, *Coherence and Quantum Optics VIII* (2002)

Programs

Co-Director - REU Program in Optical Science and Engineering
co-Director - Department of Education GAANN Graduate Fellowships Program in Crossdisciplinary

Physics

coDirector - Department of Education GAANN Graduate Fellowships Program in Chemistry and Physics

• Eric Blackman**Editor - Cross Sections 2002**Arie Bodek**Editorial Board, European Physics Journal C (1988-present)****Editorial Board Z. Phys. C (Particle and Fields) - previously**

Edited Books P deBarbaro and A Bodek , *Scintillator Tile-fiber Calorimeters*, UR 1389 (Oct. 1994, Updated 1997).

Programs

Co-director, REU Program in Physics
Co-Director - Pre-College Program in Physics for 9th and 10th grade high school students (PREP)

Director - Department of Education GAANN Graduate Fellowships Program

Co-Director : PARTICLE/Quarknet program for High School Teachers

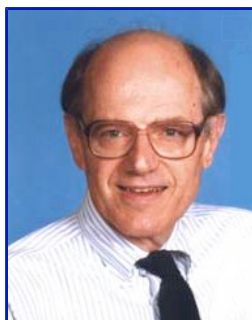
Robert W. Boyd**Editorial board Phys. Rev. Letters -present****Editorial board, Journal of Modern Optics - present****Authored Books**

R. W. Boyd, *Radiometry and the Detection of Optical Radiation*, (John Wiley and Sons, New York, 1983)
R. W. Boyd, *Nonlinear Optics*, (Academic Press, 1991)

Edited Books

R. W. Boyd, M. G. Raymer, and L. M. Narducci, editors *Optical Instabilities* (Cambridge University Press, Cambridge, 1986)

G. P. Agrawal and R. W. Boyd, editors, *Contemporary Nonlinear Optics* (Academic Press), Boston 1991)

Joseph H. Eberly

Chair of Board of Editors, OSA (2002-06)
Founding Editor, Optics Express (1996-01)
Physical Review A, Editorial Board, (1979-81), (1982-84)
Associate Editor, Optics Letters (1980-83)
Journal of the Optical Society of America B, Topical Editor for Quantum Optics (1984-89)
Senior Editor, Multiphoton Bibliographies (1976-85)
Editorial Board of Laser Physics (1991 - present)
Founding Editor, Cross Sections, UR Dept. of Physics & Astronomy (1984)
Authored Books

P. W. Milonni and J. H. Eberly, *Lasers*, (13th Printing, Wiley, 1988)

L. Allen and J. H. Eberly, *Optical Resonance and Two-Level Atoms*, (Wiley-Interscience, 1975) translated into Japanese 1975, Russian 1978, Polish 1981, reprinted (Dover Publishers, 1987)

Edited Books

Physics Advisory Editor, John Wiley/Interscience (1975-present)

J. H. Eberly and P. Lambropoulos, editors, Proc. of International Conference on Multiphoton Processes, *Multiphoton Processes*, 1977 (Wiley, 1978);

J. H. Eberly, L. Mandel and E. Wolf, editors *Coherence and Quantum Optics VI*, (Plenum 1989) ;

J. H. Eberly, L. Mandel and E. Wolf, editors *Coherence and Quantum Optics VII*, (Plenum 1996)

N. P. Bigelow, J. H. Eberly, C. R. Stroud and I. A. Walmsley editors, *Coherence and Quantum Optics VIII* (2003)

David H. Douglas**Edited Books**

Measurements of Weak Forces in Physics Experiments edited by D. H. Douglass, V. B. Braginsky and A. B. Manukin. University of Chicago Press

Superconductivity in d- and f- Band Metals: First Rochester Conference. D. H. Douglass ed. AIP Press 1971

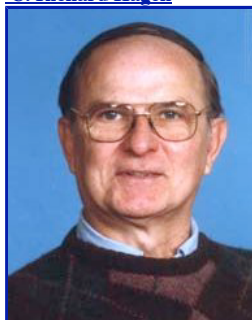
Superconductivity in d- and f- Band Metals :Second Rochester Conference. Plenum Press 1976 (2002)

John R. Huizenga

Editorial Board, Physical Review C (1982-85)

Authored Books

John R. Huizenga, *Cold Fusion: The Scientific Fiasco of the Century*. Rochester, New York: University of Rochester Press, 1992

C. Richard Hagen**Edited Books**

C. R. Hagen, editor, *Proceedings of the MRST (Montreal-Rochester-Syracuse-Toronto) Conference on Theoretical High Energy Physics*, (American Institute of Physics 2000)

Adam Frank

Editorial Board - Astronomy Magazine - present
Contributing Editor, Astronomy Magazine - present
Contributing Editor, Discover Magazine - present

Thomas Ferbel

Editorial Board Modern Physics Letters A-current
Editorial Board International Journal of Modern Physics A-current
Founding Editor, NATO Summer School Conference Series (and Director)
Editorial Board, Z. Phys. C. -previously
Editorial Board, Phys Rev B -previously
Editor, Cross Sections, UR Dept. of Physics & Astronomy (2000, 2001, 2004)

Authored Books

A. Das and T. Ferbel, *Kern-und teilchenphysik*, (Spektrum Akademischer Verlag, Germany 1995)
 A. Das and T. Ferbel, *Nuclear and Particle Physics* (John Wiley 1993)
 A. Das and T. Ferbel, *Nuclear and Particle Physics* (2nd edition, World Scientific 2003)

Edited Books

A. Das and T. Ferbel, editors, *Probing Luminous and Dark Matter*, (World Scientific Publishing 1999)
 T. Ferbel, editor, 10 volumes: *Techniques and Concepts of High Energy Physics X*, (Kluwer Publishers 1999); (Plenum Publishers Volumes I-IX 1981-1997)
 E. Borch, T. Ferbel et al., editors, *Proceedings of the Third International Conference on Advanced Technology and Particle Physics*, (Nuclear Physics B32, 3 1993)
 T. Ferbel, editor, *Experimental Techniques in Nuclear and Particle Physics*, Second Edition (World Scientific Publishing Company 1992)
 E. Borch, T. Ferbel, A. Penzo and P. G. Rancoita, editors, *Proceedings of the International Conference on Advanced Technology and Particle Physics*, (North Holland Publishing Company, Amsterdam 1989)
 T. Ferbel, editor, *Experimental Techniques in High Energy Physics*, Frontiers in Physics Series, (Addison-Wesley 1987)
 T. Ferbel, editor, *Silicon Detectors in High Energy Physics*, published by Fermilab and UofR (1982).

Thomas H. Foster

Associate Editor, Photochemistry and Photobiology -present

Harry E. Gove

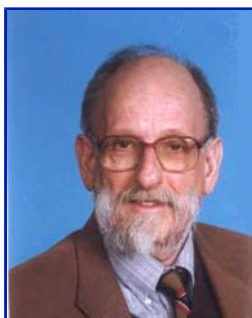
Associate Editor Annual Review of Nuclear and Particle Science (1978-1994) Division Associate Editor Phys Rev. Lett. (1975-1979)

Authored Books

H. E. Gove, *Relic, Icon or Hoax? Carbon Dating the Turin Shroud*, (Institute of Physics Publishing, Bristol 1996)
 H. E. Gove, *From Hiroshima to the Iceman: The Development and Applications of Accelerator Mass Spectrometry*, (Institute of Physics Publishing, Bristol 1999)

Edited Book

H.E. Gove, editor, *Proceedings of the First Conference on Radiocarbon Dating with Accelerators*, University of Rochester, 1978) H. E. Gove, A. E. Litherland, D. Elmore, *Proceedings of the Fourth International Symposium on Accelerator Mass Spectrometry*, (North-Holland Publishing Company, Amsterdam 1987)

Daniel S. Koltun

Divisional Associate Editor of Physical Review Letters (1999-2001)

Associate Editor, Physical Review Letters, 1979-81

Editorial Committee - Annual Review of Nuclear and Particle Science (1989)

Authored Books

Judah M. Eisenberg and Daniel S. Koltun, *Theory of meson Interactions with Nuclei*, (Wiley-Interscience,

New York 1980)

Daniel S. Koltun and Judah M. Eisenberg, *Quantum Mechanics of Many Degrees of Freedom*, (Wiley-Interscience, New York 1988)

Edited Books

A. Das and D. Koltun editors, *From Spectroscopy to Chaos*, (World Scientific Publishing 1995)

Robert L McCrory

Associate Editor, Physics of Plasmas
Editor, Nuclear Fusion
Editor, Journal for Scientific Computing
Editor, Laser and Particle Beams

Kevin S. McFarland

Editor, Cross Sections, UR Dept. of Physics & Astronomy (2000, 2001)

Programs

Director : PARTICLE/Quarknet program for High School Teachers

Adrian C. Melissinos**Authored Books**

A. C. Melissinos, *Elements of Vector Calculus for Physicists*, (in Greek, Athens 1955)
 A. C. Melissinos, *Experiments in Modern Physics*, (Academic Press, Inc. New York 1966)
 A. C. Melissinos and F. Lobkowitz, *Physics for Scientists and Engineers, Volume I*, (W. B. Saunders, Philadelphia 1975)
 F. Lobkowitz and A. C. Melissinos, *Physics for Scientists and Engineers, Volume II*, (W. B. Saunders, Philadelphia 1975)
 A. C. Melissinos and F. Lobkowitz, *Instructor's Manuals, Vol. I and II for Physics for Scientists and Engineers*, (W. B. Saunders, Philadelphia, 1975)
 A. C. Melissinos and F. Lobkowitz *Physics for*

Scientists and Engineers, Vol. I and II, (Italian Translation, Piccin Editore, Padova, 1978)

A. Das and A. C. Melissinos, *Quantum mechanics: A Modern Introduction*, (Gordon and Breach, New York 1985)

A. C. Melissinos, *Principles of Modern Technology*, Cambridge University Press, U. K. 1990)

A. C. Melissinos, Jim Napolitano *Experiments in Modern Physics*, (Academic Press, Inc. 2nd Edition New York 2003)

Edited Books

Robert S. Knox

Editorial board- AIP Springer Series in Basic and Applied Biological Physics - (1994-now)

Associate Editor, Biophysical Journal (1984-89)

Editorial Board - Journal of Luminescence (1984-2002)

Authored Books

Robert S. Knox, *Theory of Excitons*, (Academic Press, Inc., New York, 1963) (Published as Supplement 5 of *Solid State Physics*, F. Seitz and D. Turnbull, editors); Russian Translation: Teoria Eskitonov, World Publishers, Moscow 1966
Robert S. Knox and Albert Gold, *Symmetry in the Solid State*, (W. A. Benjamin, Inc., New York 1964)
D. L. Dexter and R. S. Knox, *Excitons*, J. Wiley and Sons, Inc., New York 1965) (Polish Translation: *Eksycytomy*, Panstwowe Wydawnictwo Naukowe, Warszawa, 1968)

Edited Books

R. S. Knox, editor of English edition of *The Electronic Theory of Heavily Doped Semiconductors*, by V. L. Bonch-Bruевич, (Elsevier, New York 1966)
R. S. Knox editor of English edition of *Solid State Physics*, by R. Kubo and T. Nagamiya (McGraw-Hill Book Co., Inc., New York 1969)
E. V. Mielczarek, E. Greenbaum and R. S. Knox, *Biological Physics*, Reprint volume in the series Key Papers in Physics (American Institute of Physics, New York, 1993)

Lynne H. Orr**Programs**

Co-Director - Department of Education GAANN Graduate Fellowships Program in Physics

Director - Teaching Internship Program

Susumu Okubo

Editorial Board - Hadronic Journal (1970-1972)

Editorial Board - Algebras, Groups and Geometries (1985-1987)

Authored Books

Susumu Okubo, *Introduction to Octonion and other Non-associative Algebras in Physics*, (Cambridge University Press 1995)

Susumu Okubo, *Lectures on Unitary Symmetry* (University of Rochester, Department of Physics and Astronomy, 1964)

Albert Simon**Authored Books**

Albert Simon, *An Introduction to Thermonuclear Research*, (Pergamon Press, Londong 1959)

Edited Books

Albert Simon and W. b. Thompson, editors, *Advances in Plasma Physics*, Vol. 1, 1968, Vol 2, 1969, Vol. 3, 1969, Vol. 4 1971, Vol. 5, 1974, vol. 6, 1975 (John Wiley)

A. C. Melissinos, E.C.G. Sudarshan and J. Tinlot, editors, *Proceedings, 1960 Conference on High Energy Physics*, (Interscience, New York 1960)
A. C. Melissinos and P. F. Slattery, editors, *Proceedings, 1971 Conference on Particles and Fields*, American Institute of Physics, New York, 1971)
A. C. Melissinos and B. E. Moskowitz, editors, *Proceedings of the Workshop on Non Accelerator particle Physics*, (Nuclear Instruments and Methods, **A264**, 1988)
C. Jones and A. C. Melissinos, editors, *Proceedings of the Workshop on Cosmic Axions*, (World Scientific Publishing, Singapore, 1989)

David D. Meyerhofer

Divisional Associate Editor - Phys. Rev. Letters (Jan 2004-)

Editorial board Plasma Physics and Controlled Fusion - present

Programs

Summer Experience for Junior High School Students at the LLE

Shaul Mukamel

Editorial board of the Journal of Physical Chemistry
Advisory editor for Chemical Physics Letters,
Editorial board of the series on Mesoscopic Physics and Nanotechnology, Oxford University Press.

Authored Books

Shaul Mukamel, *Principles of Nonlinear Optical Spectroscopy*, (Oxford University Press, New York 1999)

Edited Books

Shaul Mukamel and R. Lefebvre, editors, *Stochasticity and Intramolecular Redistribution of Energy*, NARO Conference Proceeding Series (Reidel 1987)

Shaul Mukamel, guest editor, *Special Issue of the Journal of Physical Chemistry, Charge Transfer in Restricted Geometries*, (1992)
Shaul Mukamel and Daniel Chemla, editors, *Special Issue of Chemical Physics on Confined Excitons in Molecular and Semiconductor Nanostructures* (1996)
Shaul Mukamel and Robin Hochstasser, editors, *Special Issue of Chemical Physics on Multidimensional Spectroscopies* (2000)
Shaul Mukamel, T. Elsaesser, M. M. Murnane and N. F. Scherer, editors, *Ultrafast Phenomena XII*, (Springer Verlag, Berlin 2000)

Judith L. Pipher

Scientific Editor, Astrophysical Journal (2002-present)

Paul L. Tipton

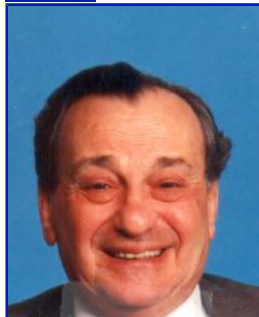
Editorial Board - Annual Reviews of Nuclear and Particle Science (2003-present)

Paul F Slattery**Edited Books**

A. C. Melissinos and P. F. Slattery, editors, *Proceedings, 1971 Conference on Particles and Fields*, American Institute of Physics, New York, 1971)

Carlos Stroud**Edited Books**

N. P. Bigelow, J. H. Eberly, C. R. Stroud and I. A. Walmsley editors, *Coherence and Quantum Optics VIII* (2002)

Emil Wolf**Journal of Modern Optics (Editorial board) - present****Optics Communications (Advisory Editorial board) -present****Progress in Optics (Editor) -present****Authored Book**

Max Born and Emil Wolf, *Principles of Optics*, (first edition, Pergamon Press, London and New York, 1959, seventh (expanded) edition, Cambridge University Press, Cambridge, 1999)

Leonard Mandel and Emil Wolf, *Optical Coherence and Quantum Optics*, Cambridge University Press, Cambridge and New York, 1995)

E. Wolf, *Selected Works of Emil Wolf with Commentary*, (World Scientific, Singapore, 2001)

World Scientific Series in 20th Century Physics - Vol. 29
SELECTED WORKS OF EMIL WOLF
(With Commentary) by Emil Wolf (University of Rochester)

Edited Books

Emil Wolf, editor, *Progress in Optics*, Vol. I (1961); Vol. II (1963); Vol. III (1964); Vol. IV (1965); Vol. V (1966); Vol. VI (1967); Vol. VII (1969); Vol. VIII (1970); Vol. IX (1971); Vol. X (1972); Vol. XI (1973); Vol. XII (1974); Vol. XIII (1976); Vol. XIV (1976); Vol. XV (1977); Vol. XVI (1978); Vol. XVII (1980); Vol. XVIII (1980); Vol. XIX (1981); Vol. XX (1983); Vol. XXI (1984); Vol. XXII (1985); Vol. XXIII (1986); Vol. XXIV (1987); Vol. XXV (1988); Vol. XXVI (1988); XXVII (1989); XXVIII (1990); XXIX (1991); Vol. XXX (1992); XXXI (1992); XXXII (1993); XXXIII (1994); XXXIV (1995); Vol. XXXV (1996); XXXVI (1996); Vol. XXXVII (1997); Vol. XXXVIII (1998); XXXIX (1999); Vol. XL (2000); Vol. XLI (2001); Vol. XLII (2001); Vol. 43 (2001), Vol. 44 (2002) (North-Holland and Elsevier Publishing, Amsterdam)

L. Mandel and E. Wolf, editors, *Selected Papers on Coherence and Fluctuations of Light*, Vol. I (1850-1960); Vol. II (1961-1966); (Dover Publications, Inc., New York, 1970) reprinted by SPIE

ilestone Series, B. J. Thompson, ed. (SPIE Optical Engineering Press, Bellingham, WA, 1990)

L. Mandel and E. Wolf, editors, *Coherence and Quantum Optics*, Proceedings of Third Rochester Conference on Coherence and Quantum Optics, (Plenum Press, New York 1973)

L. Mandel and E. Wolf, editors, *Coherence and Quantum Optics*, Proceedings of Fourth Rochester Conference on Coherence and Quantum Optics, (Plenum Press, New York 1978)

L. Mandel and E. Wolf, editors, *Coherence and Quantum Optics*, Proceedings of Fifth Rochester Conference on Coherence and Quantum Optics, (Plenum Press, New York 1984)

L. Mandel and E. Wolf, editors, *Coherence and Quantum Optics*, Proceedings of Sixth Rochester Conference on Coherence and Quantum Optics, (Plenum Press, New York 1990)

L. Mandel and E. Wolf, editors, *Coherence and Quantum Optics*, Proceedings of Seventh Rochester Conference on Coherence and Quantum Optics, (Plenum Press, New York 1996)

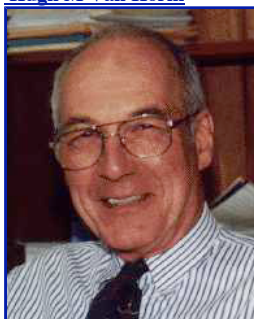
Edward H. Thorndike**Authored Books**

Edward H. Thorndike, *Energy and Environment: A Primer for Scientists and Engineers*, (Addison-Wesley Publishing Company 1976).

John H Thomas**Scientific Editor, Astrophysical Journal (1993-2003)****Edited Books**

L. E. Cram and J. H. Thomas, editors. *The Physics of Sunspots* (Sacramento Peak Observatory, 1981).

J. H. Thomas and N. O. Weiss, editors. *Sunspots: Theory and Observations* (Kluwer Academic Publishers, 1992).

Hugh M Van Horn**Authored Books**

H. M. Van horn and J. W. Liebert, *The White Dwarf Stars*, (Wiley-Interscience, New York) in preparation

Edited Books

H. M. Van Horn and V. Weidemann, editors, *White Dwarfs and Variable Degenerate Stars*, University of Rochester 1979)

H. M. Van Horn and S. Ichimaru, editors, *Strongly Coupled Plasma Physics*, (University of Rochester Press 1993)

Jianhui Zhong**Magnetic Resonance Imaging, (Editor-in-chief: John Gore of Vanderbilt University), 2001-present**

