ACTIVITIES AT THE UNIVERSITY OF OKLAHOMA

TEACHING ACTIVITIES

I have taught the following courses at the University of Oklahoma:

Astronomy:

Astro 1504/1514 - Introductory Astronomy (including 37 separate sections with almost 8,000 students)

Astro 3113 - Elements of Astrophysics

Astro 4303 - Introduction to Astrophysics (graduate and undergraduate)

Astro 5473 - Stellar Interiors (graduate)

Physics:

P3190 - Topics in Physics

P3980 - Honors Research

P3990 and P4990 - Independent Study

P5910 and P5990 - Special Topics (graduate)

P6980 - Research for Drs. Dissertation (graduate)

SERVICE ACTIVITIES

UNIVERSITY:

Donated lectures for the OU Campus Campaign Online (2002-2006)

Committees:

Big Man/Big Woman Prize Selection Committee (2003)

Letzeiser Prize Selection Committee (2002)

State of Oklahoma, SuperComputer Advisory Committee (1991)

Faculty Compensation Committee (1990-1991)

OU Associates Review Panel (1990)

Graduate Teaching Awards Review Panel (1990)

Budget Council (1988 - 1990)

Provost Search Committee (1985 - 1986)

Commencement Committee (1985 - 1987)

University Computing Advisory Committee (1980 - 1983)

COLLEGE OF ARTS AND SCIENCES:

Donated lectures for the Annual Fundraising Auction (1997-present)

Committees:

Department of Mathematics Faculty Search Committee (2004 - 2005)

Computer Planning Committee (1990 - 1991)

Academic Misconduct Committee (1986 - 1987)

General Education Committee (1985 - 1986)

DEPARTMENT OF PHYSICS AND ASTRONOMY: Committees

Graduate Recruiting Committee (2003-2006)

Graduate Studies Subcommittee (2003-2004)

Library Committee (2000-2003), (2006-present)

Undergraduate Studies Committee, Chair (1993 - 2000) (1988-1991; 1980 - 1985)

Program Review Committee (1997-1998)

New Building Committee (Classrooms) (1994-1995)

High Energy Physics Search Committee (1994-1995)

Needs Committee (1992 - 1993)

Committee A (1990 - 1991)

Computer Committee (1989 - 1991; 1980 - 1987)

Astronomy Search Committees (1982 - 1983, 1984 - 1985, 1986 - 1987, 1989 - 1990 [chair], 1999-2000)

AWARDS AND GRANTS

Kinney-Suggs Outstanding Professor Award in the College of Arts and Sciences (2004)

David Ross Boyd Professorship (2002–present)

Internet 2 grant, $1,000, (1999-2000)

Samuel R. Noble Presidential Professorship (1998–2002)

Big 12 Faculty Fellowship, to travel to and work at the University of Texas at Austin, $ 2,000 (1997-1998)

Vice President for Research Faculty Travel Assistance Grant: to present a series of lectures at the International Summer School On Advanced Topics in Physics (Tianjin, China), $1,200 (1992)

Research Council Grant : "Heavy Element Abundances in the Oldest, Galactic Stars", $2,385 (1992)

Regents' Award for Superior Teaching (1991)

Regents' Award for Superior Research and Creative Activity (1990)

Senior Summer Faculty Fellowship (1990)

AMOCO Foundation Good Teaching Award (1989)

Research Council Grant : "Heavy Element Fusion in the Big Bang : Primordial Nucleosynthesis", $6,478 (1989)

OU Associates Grant : (with Branch and Henry) "Search for Radio and Optical Emission from Exploding Stars in Distant Galaxies", $ 11,875 (1987)

Associates Distinguished Lectureship (1987)

Research Council Grant : "The Formation of Neutron-Rich Heavy Nuclei and the Age of the Universe", $ 5,427 (1987)

Associates Distinguished Lectureship (1986)

Research Council Grant : "Radio Observations of Extragalactic Supernovae", $ 450 (1985)

OU Associates Grant : "Improving Education in Introductory Astronomy Through Audio-Visual Aids", $ 7,000 (1982)

OU Associates Grant : (with Morrison and Watson) "Research on Rapidly Varying Phenomena in Atomic Physics and Astrophysics", $ 15,922 (1982)

Research Council Grant : "Evidence for Superclusters in the Universe", $2,033 (1982)

Research Council Grant : "Photometric Studies of Comets", $ 494 (1982)

Arts and Sciences Summer Fellowship : "Comets: Clues to the Origin of the Solar System", $ 3,000 (1981)

Junior Faculty Summer Fellowship : "Formation of Neutron-Rich Heavy Elements", $2,500 (1980)

ADVISING

I have served as an advisor on the Ph. D. committees of a number of students. I have advised and mentored six graduate students during the last five years, two of whom have now graduated with their Ph.D. degrees and one with a Masters. I supervised five undergraduate capstone students and four Research Experience for Undergraduate students as well.