

STANLEY D. ROTH, JR.
532 Oklahoma Street
Lawrence, KS 66046

Formal Education

B.S. in Education, Kansas State Teachers College, Emporia, KS, 1957
Majors: Biology and Industrial Arts

Masters of Science, Kansas State Teachers College, Emporia, KS, 1959
Biology

Continuing Education Activities

NSF Summer Fellowship (biology and science education)
1962--KSTC, 1963--Purdue University

NSF Summer Institutes (biology and science education)
1966--University at Missouri in Kansas City; 1969--KSTC, Emporia, KS

NSF In-Service Institute (biology and science education)
1971-72--UMKC

Graduate Studies in science education
Summers 1971-73--Florida State University, Tallahassee, FL

Graduate study in botany
Summer 1976--University of KS, Lawrence, KS

Inservice Extension Courses on Recent Developments in Biology
Fall 1978, Fall 1982, Spring 1992--Emporia State University

Research project in Zoology
Summer 1988--Emporia State University

Inservice Course on AIDS and STDs
Fall 1989--University of Kansas

Participant at 13 national conferences of NABT giving presentations at many

Participant at almost all of state meetings of the Kansas Association of Biology Teachers, all but a few of the Kansas Academy of Science annual meetings since 1957, and many state meetings of the Kansas Ornithological Society, Kansas Herpetological Society, and Kansas Wildflower Society.

Teaching Experience

Biology at Lawrence (Kansas) High School, 1959-1997; Biology at Lawrence Free State High School, 1997--1999

Advanced (AP) Biology at LHS--1961-1997 and at Lawrence Free State--1998-99

Oceanology at LHS, 1974-1979

Student Assistant Program with six to ten student assistants per year to maintain a diverse classroom "zoo" for students to view and study.

Kansas Field Ecology at LHS; summers of 1960, 1961, 1974, 1976--1996

NSF Secondary Science Training Program at FSU, Tallahassee, FL
Summers 1964-75; Counselor, Assistant Director, Associate Director

Adult education courses (night school) at LHS on Kansas Natural History, 1966-69

Numerous program and workshop presentations on Natural History subjects (emphasis on poisonous snakes, bats, and special places in Kansas) to various youth groups (Scouts, etc), sportsman clubs, community service clubs, and industrial employee groups.

Field trips organizer and leader for adult groups (State biology teachers, earth science teachers, and KS Academy of Science members)

Other types of employment

Consultant and lecturer: AIBS Film Series at Calvin Studios in Kansas City 1960 to 1964

Consultant in natural history and biology teaching films at Centron Corp, Lawrence 1972 to 1983

Consultant to Carterette County Schools, North Carolina on field trip methods and techniques, 1965

Field Biologist and Adjunct biologist, State Biological Survey of KS, 1974 to 1978

Contract Field Biologist, Kansas Fish and Game Commission, summers 1978 to 1987

Contract Field Biologist Kansas Wildlife and Parks, summer 1988 to present

Reviewer of manuscripts for the University of Kansas Museum of Natural History; the Geological Survey of Kansas; Holt, Rinehart, and Winston Publishers; Prentiss-Hall Publishing Co.; and McGraw-Hill Publishing Co.

Reviewer of teaching materials on solid wastes for high school classes; Franklin Associates, 1988

Professional Activities:

Scientific and Educational Organizational Membership

American Institute of Biological Sciences, 1964 - 1968

American Society of Ichthyologists and Herpetologists, 1958-1980

Bat Research Society, 1967-present

Herpetologists League, 1958-1998

International Oceanographic Foundation, 1967-1989
Kansas Association of Biology Teachers, 1959-present
Kansas Academy of Science, 1957-present
Kansas Association of Teachers of Science, 1967-1999
Kansas Herpetological Society, 1975-present
Kansas National Education Association, 1959-1999
Kansas Ornithological Society, 1958-present
Kansas Speleological Society, 1984-present
Kansas Native Plants Society, 1978-present
Kansas-The Wildlife Society, 1981-present
Lawrence Education Association, 1959-1999
National Association of Biology Teachers, 1957-present
National Association of Professional Educators, 1984-1999
National Education Association, 1959-present, life member
National Speleological Society, 1963-present
Professional Educators Association of Lawrence, 1985-1999
National Science Teachers Association, 1958-1999
Society for the Study of Amphibians and Reptiles, 1980-1999
Southwestern Association of Naturalists, 1958-present
Tall Timbers Association, 1978-1990
National Audubon Society, 1968-1999
National Geographic Society, 1964-present
National Wildlife Federation, 1966-90

Organization Appointments and Elected Positions

ESU Alumni Association- Board Member, 1987-1993

KABT- Vice President, 1962; Administrative Secretary, 1962-1982; Historian, 1995-present

KAS - Executive Council, 1973; Vice President, 1976; President, 1977;

KHS - Representative to KAS, 1976-1981; Board of Directors-1995-97, President 1996

KNEA-R - Representative for the Free State District (NE KS)--1999-2000

KOS- Board of Directors, 1968-1972; Chair of Conservation, 1970-1980

LEA - Building Rep., 1981-82; Additional Assignments Committee, 1980-85; Calendar committee, 1998-1999

NABT - Financial Adv. Comm., 1964-1966; Director at Large, 1974-1978; Exec. Comm. 1976-78; Vice President, 1979; President, 1980; KS membership rep., 1982-present.

PEAL - President, 1989-90

Douglas County Association of Retired School Personnel-1999 to present; Board of Directors 2002-2007; President 2005-2006

Awards and Honors

Outstanding Biology Teacher Award, honorable mention for Kansas--1962

OBTA for Kansas presented by NABT--1966

Outstanding Young Educator, Jaycees of Lawrence, KS--1968

OYE, first runner up, Jaycees of Kansas--1968

Kansas Conservation Educator Award, Kansas Wildlife Federation --1970, 1997

Outstanding Teacher, Douglas County Science Fair -- 1973

Congratulations and Recognition in the form of a Resolution for Outstanding accomplishments representing Lawrence, KS and Lawrence High School from the Kansas House of Representatives--1976

University of Kansas Sigma Xi Award for "dedication to the teaching of science and encouragement of research" - 1983

"Outstanding Teacher Award", University of Chicago (honors student award) - 1984, 1997

Outstanding Teaching Award, Kaw Valley Chapter of the Council for Exceptional Children. 1990

Edgar Lee Recycling Award, City of Lawrence, 1991

Outstanding Science Educator Award, Kansas Academy of Science, 1995

Nominee for the Distinguished Alumni Award at Emporia State University

Kansas Academy of Science 50 year Member Recognition 2006

Kansas Ornithological Society, Avian Conservationist of 2007

Kansas Association of Retired School Personnel Awards
Sunflower Award 2006
Distinguished Service Award 2006, 2007, 2008, 2009, 2010
Unit Service Award 2007, 2009, 2011, 2012, 2013

Jayhawk Audubon Society of Lawrence, KS
Environmental Service Award, April 2010

Kansas Herpetological Society, 2010
Henry S. Fitch- Dwight R. Platt Award for Field Herpetology

Kansas Teachers' Hall of Fame
Inducted June 2011, Dodge City

Stan and Janet Roth Nature Trail
University of Kansas Field Station, Dedicated October 2012

2016 Kansas Conservation Champion

Presented by Kansas Natural Resources Conference

2018 President's Award for Recognition for a Career in Kansas Biology Education
Presented by Kansas Association of Biology Teachers

Educational Enrichment Experiences

A scientific crew member of an FSU oceanographic cruise to the Dry Tortugas of the Gulf of Mexico to study coral reef life for one week, 1972

A scientific crew member of a Scripps Institution of Oceanography scientific cruise in the Pacific Ocean southwest of San Diego, CA to test newly designed deep water sampling equipment for ten days, 1975

A scientific crew member on an oceanographic cruise to the Antarctic Ocean (Cape Town, South Africa to Punta Arenas, Chile) to study the biology of krill for two months, 1984

Leader of 12 LHS student field trips to the Big Island of Hawaii (8 to 14 day trips) to study the human and natural history with an emphasis on marine and terrestrial ecology and 21 LHS student field trips to Florida and Georgia to study the ecological diversity of the Southeast U.S.A. 1965-1997

Scientific field assistant in a study of Arctic foxes in area near Churchill, Manitoba, spring 1996. summer 1997

Scientific field assistant in a study of prairie dogs in southwestern Saskatchewan, summer 1998

Researcher and teacher with students on field ecology trips for twenty-three summers and 40 years to study the various aspects of Kansas and Missouri ecology 1959-1999

Research Interests

Nesting colonies of the Great Blue Heron in Kansas, 1957- 1978, 1999-present

Winter activity of bats in gypsum caves of southern Kansas, 1963- present

Snake dens in southwestern KS, 1966 - 1981

Nests of the Ferruginous Hawk in northwestern KS: 1977-present

Distribution and ecology of amphibians and reptiles in Kansas 1957- present

Bird populations at Camp Naish counted each December 1962- 2009

(Numerous Lawrence students have been involved in the projects above through ecology field trips in the summers and on weekends)

Kansas Forest Service Survey of Champion Trees—2000 to present

Community , After School, and Retirement Involvement

Boy Scouts

Explorer advisor--Post 2050, 1962-1966

Committee Member--Pack 3056, 1975-1979

Committee Member- Troop 53, 1979-1986

Leader for boys attending week long summer camp sessions, 1979- 1982

Consultant in Natural History, Camp Theodore Naish, Bonner Springs, 1962-1999

Church

Active member of the Lawrence First Presbyterian Church; ordained elder, 1985; member of Board of Elders, 1985-1988, Nominating Committee member- 1998, 2008, 2010

Board of Elders, 2001-2007, Gifts and Memorials Committee 2006-present, Eco-Team 2007-present; University and Young Adult Ministry Team 2007-2010

Parent-Teacher Organizations, Lawrence Schools

Regular presenter of "mini-zoo" at grade school carnivals throughout the year

LHS Environmental Awareness Project (paper and aluminum recycling), 1975- 1997; Organizer and Coordinator of project for student participation.

Aluminum recycling continued at LFS in 1998 and 1999. All of recycling projects provided funds for student field trips. In 1998 and 99, sponsored recycling of aluminum at Lawrence Free State HS.

Volunteer teacher at the Lawrence Nature Center--1999 to present

Observer of all USD #497 School board meetings--1970 to present

Volunteer resource for many members of the community and the school district on topics relating to nature --1960 to present

Sponsor of students in the Douglas County Science Fair (first place winner sent to the National Science Fair several times since 1962), the Kansas Junior Academy of Science, and the Westinghouse Science Talent Search.

Organizer and sponsor of the LHS and LFSHS Biology Clubs-- from 1960 through 1999

Douglas County Science Fair Committee—1999 to 2010

Adjunct Research Assistant at the Kansas Biological Survey—1999 to present

Black Jack Battlefield and Nature Park Board of Trustees—2005 to present

Outside for a Better Inside Board of Directors—2007to present

Advisory Committee to Baker Wetlands Discovery Center—2016 to present

Wetlands Learning Workshops for Elementary/Middle School students—2008 to present

Eagles Day presenter—2002--present