

# HISTORY

## SOUTH DAKOTA COOPERATIVE FISH AND WILDLIFE RESEARCH UNIT

1961 A proposal was passed by the South Dakota Game, Fish and Parks Commission to establish a Cooperative agreement between South Dakota State College, the U. S. Bureau of Sport Fisheries and Wildlife, and the Wildlife Management Institute concerning a Cooperative Wildlife Research Unit.

1963 The South Dakota Cooperative Wildlife Research Unit was established by cooperators: South Dakota State College, South Dakota Department of Game, Fish and Parks, U. S. Bureau of Sport Fisheries and Wildlife, and the Wildlife Management Institute. This was the 18<sup>th</sup> unit formed in the country.

Dr. Paul F. Springer became Leader, Wildlife Research Unit. A.B. 1943, University of Illinois; M.S. 1948, University of Wisconsin; Ph.D. 1961, Cornell University.

1965 The South Dakota Cooperative Fishery Research Unit was established by cooperators: South Dakota State University, South Dakota Department of Game, Fish and Parks, and the U. S. Bureau of Sport Fisheries and Wildlife.

Dr. Alfred C. Fox became Leader, Cooperative Fishery Research Unit. B.S. 1955, Cornell University; M.S. 1961, Montana State University; Ph.D. 1965, Montana State University.

1966 Rollin D. Sparrowe was the first M.S. student to begin and finish his program in the Department.

Dr. Richard A. Tubb became Assistant Leader, Cooperative Fishery Research Unit. B.S. 1958, Oklahoma State University; M.S. 1960, Oklahoma State University; Ph.D. 1963, Oklahoma State University.

1967 Dr. Richard A. Tubb resigned as Cooperative Fishery Research Unit Assistant Leader.

Dr. Paul F. Springer resigned as Cooperative Wildlife Research Unit Leader.

Dr. Raymond L. Linder became Leader, Cooperative Wildlife Research Unit. B.S. 1953, University of Nebraska; M.S. 1955, Iowa State University; Ph.D. 1964, University of Nebraska.

Dr. Richard L. Applegate became Assistant Leader, Cooperative Fishery Research Unit. B.A. 1959, South Illinois University; M.A. 1961, Southern Illinois University; Ph.D. 1974, South Dakota State University.

Dr. Robert B. Dahlgren became Assistant Leader, Cooperative Wildlife Research Unit. B.S. 1950, South Dakota State University; M.S. 1955, Utah State University; Ph.D. 1972, South Dakota State University.

1968 The 25<sup>th</sup> M.S. student graduated from the Department.

The Department faculty consisted of six members.

Dr. Robert B. Dahlgren received the Professional Award from the Central Mountains and Plains Section of The Wildlife Society.

Dr. Robert B. Dahlgren received the Wildlife Award from the South Dakota Chapter of The Wildlife Society.

Dr. Alfred C. Fox resigned as Cooperative Fishery Research Unit Leader.

1969 The name of Department changed to the Department of Wildlife and Fisheries Sciences from the Department of Wildlife Management.

1970 Dr. Donald C. Hales became Leader, Cooperative Fishery Research Unit. B.S. 1953, University of Utah; M.S. 1955, Utah State University; Ph.D. 1967, University of Utah.

1971 The 50<sup>th</sup> M.S. student graduated from the Department.

The Department faculty consisted of eight members.

1972 Dr. Ray Linder received the South Dakota Chapter of The Wildlife Society, Wildlife Professional Award.

1973 Dr. Robert B. Dahlgren resigned as Cooperative Wildlife Research Unit Assistant Leader.

1974 The 75<sup>th</sup> M.S. student graduated from the Department.

Dr. Frank Schitoskey, Jr., became Assistant Leader, Cooperative Wildlife Research Unit. B.S. 1965, Midwestern University; M.S. 1967, Texas Tech. University; Ph.D. 1973, University of California, Davis.

1977 Dr. Donald C. Hales resigned as Cooperative Fishery Research Unit Leader

Dr. Richard L. Applegate became Leader, Cooperative Fishery Research Unit. B.A. 1959, South Illinois University; M.A. 1961, Southern Illinois University; Ph.D. 1974, South Dakota State University.

1978 The 100<sup>th</sup> M.S. student graduated from the Department.

The Department faculty consisted of 10 members.

Dr. Robert S. Benda became Assistant Leader, Cooperative Fishery Research Unit. B.S. 1965, Indiana State University; M.A. 1967, DePauw University; Ph.D. 1971, Indiana State University.

1980 Dr. Frank Schitoskey, Jr., resigned as Cooperative Wildlife Research Unit Assistant Leader.

The National Wetland Inventory Team was established. Dr. Ray Linder was responsible for initiating the Inventory. It started as a two-person operation (Greg Weaver and Dave Nomsen) in a trailer at the Wildlife Farm.

1981 Dr. Robert Benda resigned as Cooperative Fishery Research Unit Assistant Leader.

Dr. Alan Wentz became Assistant Leader, Cooperative Wildlife Research Unit. Dr. Wentz joined the faculty as Extension Wildlife Specialist in 1975. B.S. 1969, Ohio State University; M.S. 1971, Oregon State University; Ph.D. 1976, University of Michigan.

1982 The 125<sup>th</sup> M.S. student graduated from the Department.

Drs. John Ratti, Les Flake, and Alan Wentz edited and published the book "Waterfowl Ecology and Management: Selected Readings" published by The Wildlife Society.

Dr. Alan Wentz resigned as Cooperative Wildlife Research Unit Assistant Leader.

Initial federal budgets provided zero funding for the Cooperative Research Unit program.

1983 The Cooperative Research Unit program was again not in the budget.

1984 Dr. Richard L. Applegate resigned as Cooperative Fishery Research Unit Assistant Leader.

An agreement was reached to form the South Dakota Cooperative Fish and Wildlife Research Unit from two existing units. This reduced from four to three the number of Unit personnel.

Dr. Ray Linder received the Professional Award from the Central Mountains and Plains Section of The Wildlife Society.

- 1985 Dr. Raymond L. Linder retired as Unit Leader. Emeritus status was granted. Also a large gathering of past students was present for a retirement party.

Dr. Charles R. Berry, Jr., became Unit Leader, South Dakota Cooperative Fish and Wildlife Research Unit. B.S. 1967, Randolph-Macon College; M.S. 1970 Fordham; Ph.D. Virginia Polytechnic Institute and State University.

Dr. Kenneth F. Higgins became Assistant Unit Leader. B.S. 1965, Colorado State University; M.S. 1968, South Dakota State University; Ph.D. 1981, North Dakota State University.

- 1986 The 150<sup>th</sup> M.S. student graduated from the Department.

- 1988 Dr. Kenneth F. Higgins conducted a "Grassland Burning Workshop."

- 1989 The 175<sup>th</sup> M.S. student graduated from the Department.

Dr. Walter G. Duffy became Assistant Unit Leader. B.S. 1973 Michigan State University; M.S. 1975 Michigan State University; Ph.D. 1985 Michigan State University.

- 1990 A Ph.D. in Biological Sciences program was started. It was a joint program among the Biology Department at University of South Dakota and South Dakota State University departments of Wildlife and Fisheries Sciences, Biology-Microbiology, Plant Science, Veterinary Science, and Animal and Range Sciences. Dairy Science later joined this group.

Dr. Walter G. Duffy conducted a "Bioenergetics Workshop."

Drs. Kenneth F. Higgins and Walter G. Duffy received Special Achievement Awards from the U. S. Fish and Wildlife Service.

Dr. Kenneth F. Higgins was elected President of the Central Mountains and Plains Section of The Wildlife Society.

- 1991 Dr. Kenneth F. Higgins received the Dean's Award for Research.

- 1992 The 200<sup>th</sup> M.S. student graduated from the Department.

- 1993 Dr. Charles D. Dieter became the first wildlife-oriented Biological Sciences Ph.D. graduate. He was also the first to obtain the degree from this program at South Dakota State University or the University of South Dakota.

Dr. Christopher S. Guy became the first fisheries-oriented Biological Sciences Ph.D. graduate.

The 225<sup>th</sup> M.S. student graduated from the Department.

Dr. Kenneth F. Higgins coordinated the “Piping Plover and Least Tern Symposium/Workshop.”

1994 The Department faculty consisted of nine members.

The South Dakota Cooperative Fish and Wildlife Research Unit received the Division of Cooperative Research Award for Outstanding Science.

Dr. Kenneth F. Higgins received the Professional Award from the Central Mountains and Plains Section of The Wildlife Society.

1995 The 250<sup>th</sup> M.S. student graduated from the Department.

Dr. Walter G. Duffy conducted a “Bioenergetics Workshop.”

Dr. Charles R. Berry, Jr., and others conducted a “Watershed Management Workshop” for the James, Vermillion, and Big Sioux rivers.

1996 Dr. Diane Granfors was the first female Ph.D. to graduate from the Department.

The Cooperative Fish and Wildlife Research Unit became part of the U. S. Geological Survey.

Dr. Kenneth F. Higgins received the South Dakota Chapter of The Wildlife Society, Wildlife Professional Award.

1997 The South Dakota Cooperative Fish and Wildlife Research Unit sponsored the 2<sup>nd</sup> South Dakota Watershed Management Workshop. Dr. Charles R. Berry, Jr., was instrumental in planning the workshop, which was held in Brookings.

Dr. Walter G. Duffy resigned as Assistant Unit Leader.

1998 The 275<sup>th</sup> M.S. student graduated from the Department.

Dr. Kenneth F. Higgins became the first person to receive the South Dakota Academy of Science Fellow Award. The Fellow designation was initiated in 1997 to recognize and honor members of the Academy who have made outstanding contributions to scientific research, teaching, and/or service.

Dr. Charles R. Berry, Jr., was named as a Berg Fellow by the Soil and Water Conservation Society.

Dr. Kenneth F. Higgins was named Editor for the Proceedings of the South Dakota Academy of Science.

1999 The 10<sup>th</sup> Ph.D. student graduated from the Department.

The South Dakota Cooperative Fish and Wildlife Research Unit were cosponsors of a 4-day conference entitled "Sustaining the Missouri River for Future Generations." The conference was in Pierre.

Dr. Steven R. Chipps became Assistant Unit Leader. B.S. 1990 Davis and Elkins College; M.S. 1992 West Virginia University; Ph.D. 1997 University of Idaho.

Tate D. Fisher, Douglas C. Backlund, Kenneth F. Higgins, and David E. Naugle published "A Field Guide to South Dakota Amphibians." It was published by the South Dakota Agricultural Experiment Station and was 52 pages long.

2000 The 300<sup>th</sup> M.S. student graduated from the Department.

Dr. Kenneth F. Higgins and three coauthors published the book "Wild Mammals of South Dakota." It was published by South Dakota Game Fish and Parks and was 278 pages long.

The agreement for the South Dakota Cooperative Fish and Wildlife Research Unit was revised.

2001 The 325<sup>th</sup> M.S. student graduated from the Department.

The M.S. in Wildlife and Fisheries no longer has a Wildlife option and a Fisheries option. They changed to a Wildlife specialization and a Fisheries specialization. The Ph.D. in Biological Sciences changed from a Fisheries science area and a Wildlife science area to a Fisheries science specialization and a Wildlife science specialization.

The Department of Wildlife and Fisheries Sciences (and South Dakota State University) became a University Cooperator in the Great Plains Cooperative Ecosystem Study Unit. The host university is the University of Nebraska; other cooperators are the University of Oklahoma, Texas A&M University, and the University of North Dakota.

Dr. Steven R. Chipps presented a "Modeling Mercury Contamination" workshop.

Dr. Charles R. Berry, Jr., received the South Dakota Wildlife Federation Communicator Conservationist of the Year Award.

2003 The 350<sup>th</sup> M.S. student graduated from the Department.

Dr. Charles R. Berry, Jr., received the Dakota Chapter of the American Fisheries Society Distinguished Professional Service Award.

The Department had its 40<sup>th</sup> birthday. It was formed in 1963. It was also the 40<sup>th</sup> anniversary of the Cooperative Unit program at South Dakota State University.

The South Dakota Cooperative Fish and Wildlife Research Unit, with Dr. Kenneth F. Higgins as the chair, sponsored a "Bioblitz." This was an effort at determining biodiversity and was conducted at Oakwood Lakes State Park.

The South Dakota Cooperative Fish and Wildlife Research Unit received the South Dakota Wildlife Federation's Educator Award.

2004 The 20<sup>th</sup> Ph.D. student graduated from the Department.

Dr. Kenneth Higgins was co-chair of the 3<sup>rd</sup> Missouri River and North American Piping Plover and Least Tern Habitat Workshop/Symposium.

Sarah J. Bandas and Kenneth F. Higgins published "A Field Guide to South Dakota Turtles." It was published by the South Dakota Cooperative Extension Service and was 36 pages long.

Dr. Charles R. Berry, Jr., received the Distinguished Alumnus Award from Randolph-Macon College. Chuck did his undergraduate work there.

2005 The 375<sup>th</sup> M.S. student graduated from the Department.

Numerous Department faculty, students, and other professionals conducted a 3-day workshop entitled – Bird Capture, Banding, and Marking Techniques and Strayed or Nuisance Mammal Capture/Removal. The workshop was in August in Brookings and its organizers were Kenneth F. Higgins, Kent C. Jensen, Jonathan A. Jenks, and Spencer J. Vaa.

The Department became a charter member of American Institute of Biological Sciences (AIBS) Academic Membership Category.

The agreement for the South Dakota Cooperative Fish and Wildlife Research Unit was revised.

2006 The 400<sup>th</sup> M.S. student graduated from the Department.

Dr. Kenneth F. Higgins retired and received Professor Emeritus status.

2007 Dr. Charles G. Scalet retired. Dr. Scalet had been a Department faculty member for 34 years – the longest period of time that anyone had been on the Department faculty. He also served as Department Head from 1976 through 2007 – the longest period of time anyone had been Head of the Department. Dr. Scalet has received emeritus status.

Dr. Charles G. Scalet received a Certificate of Appreciation from the Cooperative Research Unit Program for his assistance to that program over the years.

Dr. David W. Willis was named the new Department Head on December 3, 2007. Dr. Willis will start his duties on January 1, 2008. A national search was conducted for the position.

Dr. Charles R. Berry, Jr., received a Cooperative Research Unit Recognition Award for Service Excellence.

2008 The Department graduated its 30<sup>th</sup> Ph.D. student and its 425<sup>th</sup> M.S. student.

2009 Drs. Charles R. Berry, Jr., and Steven R. Chipps received the STAR (Special Thanks for Achieving Results) Award from the U.S. Geological Survey.

Dr. Steven R. Chipps was elected President of the Education Section for the American Fisheries Society for 2009-2011.

2010 The Department faculty consisted of 10 members.

Dr. Charles R. Berry, Jr., Leader, South Dakota Cooperative Fish and Wildlife Research Unit since 1985, retired after 34 years of professional service. He received emeritus status from the South Dakota Board of Regents in August 2010.

Dr. Steven R. Chipps was named Unit Leader, Cooperative Fish and Wildlife Research Unit.

Dr. Kenneth F. Higgins endowed a Waterfowl Legacy Research Endowment for the Department.

The agreement for the South Dakota Cooperative Fish and Wildlife Research Unit was revised.

2011 The Department of Wildlife and Fisheries Sciences was officially renamed the Department of Natural Resource Management in August 2011.

Dr. Joshua Stafford became Assistant Unit Leader-Wildlife. B.S. (1997) Oregon State University; M.S. (2000) South Dakota State University; Ph.D. (2004) Mississippi State University.

Mrs. Carol Jacobson retires as Unit Administrative Specialist in March 2011.

Mrs. Kathryn "Kate" Tvedt was hired as an Administrative Assistant. Kate's position was the first, dedicated Administrative Assistant assigned to the Unit.

Dr. Larry Gigliotti was named Assistant Unit Leader-Human Dimensions. B.S. (1975) Pennsylvania State University; M.S. (1983) Michigan State University; Ph.D. (1989) Michigan State University

2012 Unit student Adam Janke (Ph.D.) is the first recipient of the *Kenneth F. Higgins Waterfowl Legacy Fellowship*.

Dr. Steve Chipps (UL) receives the *Distinguished Professional Service Award* from the Dakota Chapter of the American Fisheries Society.

Drs. Daniel James and Steve Chipps present a workshop at Dakota AFS entitled "A review of before-after-control-impact designs: a statistical design for detecting changes in aquatic systems, Chamberlain, SD.

2013 The South Dakota Coop Unit celebrates it's 50<sup>th</sup> Anniversary at South Dakota State University.

Dr. Josh Stafford gives Plenary Presentation at the 6<sup>th</sup> North American Duck Symposium and Ecology and Management of North American Waterfowl Conference in Memphis, TN.

Dr. Larry Gigliotti presents 1-day workshop at the Dakota Chapter AFS meeting entitled "An overview of adaptive management".