

CURRICULUM VITAE

DR. LYLE G. MCNEAL

Animal, Dairy & Veterinary Science Department, Utah State University • Logan, UT 84322-4815 • (435) 797-2140 [Day] • (435) 757-1562 [Evenings] • lyle.mcneal@usu.edu or sheepman@comcast.net [e-mail]

EXPERIENCE

UTAH STATE UNIVERSITY, LOGAN, UT

Professor, *Animal, Dairy & Veterinary Science Dept. 1979-Present*

Founder/Director, *Navajo Sheep Project; Serving People, Preserving Cultures®*, 1977-2002, *Since 2002 serving as technical consultant/adviser to the NSP (an IRS 501(c)(3) nonprofit organization)*

Associate Staff Scientist, *International Sheep & Goat Institute, 1979-1989*

Sheep/Goat and Fiber Specialist;

Roles: Teaching, Research and Cooperative Extension Service;

Role since 2002: Teaching @ 90% and Service @ 10% (If needed a complete listing of courses taught can be provided, which equal over 27 semester credits/year.)

Administrator: Departmental Internship and Placement Programs

Honors Program Adviser: Animal & Dairy Science Majors; 1979-2014

College of Agriculture Faculty Adviser: USU Native American and Hispanic Club

Co-Administrator: Animal Science Undergraduate Programs

Administrator: Animal and Equine Science Internship Program

Faculty Adviser: USU Sheep & Goat Club, 2003-present, and the AgroEcology Club, 1993-1999;

State Educational Program Leader: Sheep and Wool

In-Charge: USU Animal Fiber Laboratory

Oversight: USU Sheep Teaching Flock and USU Swine Teaching Herd for instructional needs on CAAS-ARS

Sheep User Committee

Educational Representative: American Sheep Industry Association; Utah Wool Growers Association & USU

Cooperative Extension Service Member, Planning Committee: Annual “Sheep & Goat Education Day” Event.

ASI Certified OFDA2000 Australian Wool Tester, from 2010-present

On-campus Educational Livestock Leader: Sheep, Goat and Swine Species

Sheep, Goat, and Animal Fiber Judge: Numerous county fairs, state fairs and festivals from Alaska to Texas, Oregon to Maryland, and at least 6-8 per year.

UNITED STATES SHEEP EXPERIMENT STATION, DUBOIS, ID

Staff Scientist, Seasonal, 1972-1978 (*summer seasons, with exception of sabbatical leave during 1977-1978 year*)

Research in the development of accelerated lambing management strategies under Western Range Ecosystems

Research in the development of a new four-way cross and inter-se developed sheep breed, the Polypay;

Co-Founder: American Polypay Sheep Association, 1980

Pregnancy testing, over 5,000 breeding ewes; both ‘Rectal Abdominal Palpation’ and later Ultrasonic diagnosis and field testing of Scanco® Units.

Conduct laparotomies, for ovarian and follicular activity;

Shepherd for yearling and dry ewes band, Stoddard Creek area, USFS & USSES

Shepherd for one band of mature ewes and lambs on Odell Creek area, USFS & USSES
Camptender duties, spring and summer ranges.
Stock water truck driver and salting, all USSES wet bands, spring range only.
USDA Certified Wool Grader, Wool Classifier and Lambing Management Instructor/Mentor for Seasonal Hired Help
Range vegetation assessment and analysis w/USFS @ USSES.
Photographer and USSES Cartographer.
Fencing installation including development of new predator protection fence (6 sq. mi.), Range Fire-Fighter, Exo-parasite Control, Conduct 'Breeding Soundness Exams' (a.k.a. BSE's) on yearling rams, Humphrey, ID area.
Exogenous hormonal manipulation of breeding and synchronization of breeding ewes.
U.S. Sheep Experiment Station 'Mess Club' member.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, SAN LUIS OBISPO, CA

Professor, *Animal Science Dept., 1969-1979*

Teaching: Sheep, wool, range management, range economics, and nutrition courses;

Academic Advising: 50+ undergraduates;

Faculty Adviser: Boots & Spurs Club (animal science & affiliate of National Block and Bridle Club))

Ranch Resident Faculty Supervisor: Peterson Ranch, Purebred Hereford range cattle operation for Cal Poly. Supervision: Peterson Ranch, breeding program, supplemental feeding, calving of cows and heifers, doctoring, moving to other range pastures during seasons, monitoring of native range pastures and water developments.

(Request listing of courses taught or see attachments.)

UNIVERSITY OF NEVADA COOPERATIVE EXTENSION SERVICE, MINDEN & RENO, NV

Extension Agent, *Multi-County Assignment: Douglas & Ormsby, NV & Alpine, CA, 1966-1969*

State Extension Horse and Sheep Specialist:

Adult & youth livestock responsibilities;

Coach 4-H Livestock Judging Teams from Douglas County;

In-Charge/Managed: Nevada State 4-H Horse Show;

Assisted with management of Nevada State Livestock Shows @ Washoe County Fairgrounds and the newly built Centennial Coliseum south of Reno.

Sponsored livestock field days in Douglas, Ormsby and Alpine Counties (i.e. w/American Hereford Association, American Quarter Horse Association; Holstein-Freisan Association, 4-H & FFA adult leader training etc.;

Assisted State 4-H Leader with the State 4-H Camp at South Lake Tahoe;

Board of Directors, Bishop Tri-County Fair, Bishop, CA;

Instructor and Counselor for Nevada Range Camps for Boys; Collaborated with USFS, BLM in sponsoring Range Management Seminars for local 'Permittees' throughout Northern Nevada.

Livestock Judge: Many county fairs around the State during service with Cooperative Extension.

Author, weekly agricultural column for Douglas County *Record Courier* newspaper.

Hosted, prepared weekly brief agricultural radio program for Carson City, NV station KPTL

UNIVERSITY OF NEVADA, RENO, NV

Graduate Research/Teaching Assistant, *Division of Animal Science, 1964-1966*

Teaching/Advising: Introductory animal science and sheep courses;

Management of Research Livestock: Nevada Agricultural Experiment Station of the commercial sheep research flocks at Reno Main Station and Newlands Experiment Station, Fallon, NV;

Assisted State Extension and Research staff: Truckee Meadows, the University of Nevada AES, Main Station

and Valley Road Farm, and around the State of Nevada at such places as the Knoll Creek Station (near Jackpot, NV), the Austin/Eureka Station, Lovelock, Owyhee, Gerlach, Soldier Meadows, Ruby Valley, Clover Valley, Jarbridge, Jiggs, Paradise Valley, Lamoille, Deeth, Fernley, Carson Valley, Washoe Valley, etc.

QUAKING ASPEN RANCH, GARDNERVILLE & RENO, NV,

Co-owner-Manager: 1964-1972

Registered Suffolk sheep and registered Arabian horses.

Registered rams, range rams, registered ewes, and club lambs, stallion stud service.

CALIFORNIA POLYTECHNIC STATE COLLEGE, POMONA, CA

Animal Husbandry Department, 1961-1964

Shepherd - responsible for the day-to-day management, farming, irrigation, fencing, marketing, feeding, shearing etc. of the College registered and commercial flocks.

Horse Handler - responsible for the management, facility maintenance, grooming, exercising, fitting, and exhibiting the Arabian horses at the historic W.K. Kellogg Arabian Ranch and Sunday horse shows.

Swine Herdsman - responsible for the routine management operations, feeding, construction, breeding, farrowing, health care, etc. of the College 65 sow farrow to finish herd.

HIDDEN TRAILS RANCH, AGOURA, CA

Assistant Ranch Manager,

Combination Dude Ranch and Ranch for Children with Mental Disorders

Responsible for the management of the horse remuda, stocker cattle operation, which included ranch work, packing, guided extended trips into the Coast Range, training, tack maintenance, veterinary care, purchasing and selling, facility maintenance.

DR. KURT A. SCHILLING, DVM, P.C., TARZANA, CA

Veterinarian's Assistant,

Responsible for assisting the veterinarian with his mixed-practice [large and small animal], surgical assistance, day-to-day care of hospitalized animals, customer relations, billing, after hours medical care.

ASIL ARABIAN HORSE RANCH, CHINO, CA

Stud and Broodmare Manager (on-site)

Registered Arabian horse breeding and showing operation.

55 broodmares and 5 studs standing.

Responsible for the day-to-day management, training, breeding, teasing, foaling, maintenance of the ranch operation. Lived on-site as well.

GIMPLE TRAINING STABLES, WALNUT, CA

General Horse Management, and Resident Live-In

Quarter Horse and Arabian Horse Training Operation.

24-32 horses in training program, including; halter breaking foals and weanlings, 'sacking out', ground driving, hackamore, snaffle-bit, stock-horse, trail-horse, and cutting horse training.

Responsible for exercising horses trained and in-training, corral and barn maintenance, assisting with teasing and breeding of mares, preparing mares and stallions for service, feeding and watering all horses on-site.

Lived on-site as well.

McCOY ARABIANS, BELL AND CHINO, CA

Groom and Show Handler

Registered Arabian horse breeder and showing operation.

35 broodmares and 4 studs standing.

Responsible for assisting in handling and showing all show stock at shows in California region. Feeding, stall cleaning, grooming, and halter breaking.

ELLSWORTH THOROUGHBRED RANCH, CHINO, CA

Veterinarians Assistant - Broodmare Breeding Program

Registered (American Jockey Club) Thoroughbred breeder, training and racing operation.

275 broodmares and 14 stallions standing stud.

Home of multiple 'Kentucky Derby' winners and 2 'Triple Crown' winning stallions.

Responsible for the daily feeding of all broodmares and stallions, assisting the ranch veterinarian in health checks, and various tests for equine sexually transmitted diseases from off-ranch breeding services. One of two veterinary assistants in the broodmare and foaling barn.

ELLSWORTH FEEDYARD, CHINO, CA

Cattle Feeder and Feed Mill Operations

10,000 ± head beef cattle feedlot.

Responsible for loading feedlot rations into the feed truck, and delivery of feed twice/day to all cattle on feed on-site in the feedlot. Also responsible for feed trough maintenance and mineral and water ad libitum access.

LIGGETT FARMS, UPLAND, CA

Feeder, Candler, Brooders, Egg Collector, Sanitation, Packaging

200,000 hen laying (egg) operation.

Responsible for assisting with the vaccination, feeding, collecting of eggs, washing and candling of eggs, packaging of eggs, and loading of packaged eggs for home delivery by owners wife. Also included pen maintenance and general veterinary care of pullets and hens on-site.

ADOHR FARMS CREAMERY, WOODLAND HILLS, CA

Babcock Butter-fat Tester, Ice Cream and Cheese Maker

Dairy cattle milk processing plant; pasteurization, homogenization, fluid milk, skim milk, ½ & ½, ice cream, butter, cheese (cottage and processed American), etc.

Responsible for initially for conducting of all Babcock butterfat tests of incoming milk from dairies.

Eventually promoted to the processing of soft cheeses, and later ice cream production.

BAR LAZY B RANCH, RONAN, MT (FAMILY RANCH)

Ranch Hand, various ranch jobs and chores.

Commercial cow-calf; commercial sheep; registered Polled Herefords and registered Arabian horses.

Responsible for many components of this family operation, i.e. calving cows, lambing ewes, breeding, training, and showing of horses, farming, i.e. cutting, putting up hay, combining grains, flood irrigating, herding livestock on summer ranges, branding, vaccinating, castrating bull calves, and ram lambs, docking of sheep, butchering of lambs and calves, fencing, hunting and shooting of predators, traveling to horse and stock shows for exhibiting of livestock, a lot of riding horses, baling and loose stacking of hay, and much more.

EDUCATION

CALIFORNIA POLYTECHNIC STATE COLLEGE, POMONA, CA

BS, Major: Animal Husbandry, Minor: Range Management, 1964

Senior Thesis: *Effect of Diethylstilbestrol Implantation on the Growth Rate of Suckling Lambs*

Major Professor: Dr. Edward A. Nelson, Professor, Sheep & Wool Science (retired)

UNIVERSITY OF NEVADA, RENO, NV

MS, Animal Breeding (Genetics & Meats) & Range Management, 1966

Thesis: *Live Animal and Carcass Traits of Lambs as Measures of Meatiness*

Major Professor: Dr. Daniel W. Cassard, Extension Livestock Specialist (retired)

UTAH STATE UNIVERSITY, LOGAN, UT

PhD, Physiology of Reproduction & Range Science, 1978

Dissertation: *Performance of Ewes Lambing Twice Yearly Under Modified Range Conditions*

Thesis Advisor and Co-Major Professor: Dr. Clarence V. Hulet, Director, USSES, Dubois, ID (retired)

Co-Major Professor: Dr. Warren C. Foote, Professor, ADVS Department (retired)

(NOTE: All research conducted over a number of years at the U.S. Sheep Expt. Station, Dubois, ID)

AWARDS

- *Animal Science Professor of the Year Award, by Students @ Utah State University, 2013*
- *U.S. Army Freedom Award, USU U.S. Army ROTC, 2009*
- *Carnegie Foundation U.S. Professor of the Year Award, Utah Professor of the Year, 2007-08*
- *Friend of the Utah Wool Growers Association Award, 2008*
- *Who's Who in America, 2005-2014*
- *National Faculty Advising Award, National Academic Advising Association (NACADA), 2005*
- *Who's Who in America, 2005*
- *Robbins Award - USU Faculty Adviser of the Year, Utah State University, 2004*
- *Outstanding Service Award, Utah Wool Growers Association, 2004*
- *National Excellence in Teaching Award, USDA and National Association of State Universities and Land Grant Colleges, 2003*
- *Faculty Adviser of the Year- College of Agriculture, Utah State University, 2003*
- *Goldtooth Begay Lifetime Achievement Award, Dine' College, Navajo Nation and Dine' be iina (Navajo Lifeway non-profit organization); For a lifetime of dedicated service to the Navajo Indian people. First non-Indian to receive award and be adopted into the Navajo Tribe, 2003.*
- *The Honor Wall, Smithsonian National Museum of the American Indian, Washington, DC, December (Engraved into stone American's who have contributed significantly to American Indians.), 2001*
- *Who's Who Among America's Teachers, (former students nominate), Educational Communications, Inc., Austin, TX, 1998*
- *Man of the Year, American Biographical Institute, Raleigh, NC, 1998*
- *Com-Net Instructor Distinguished Service Award, Utah State University, Extension & Continuing Education Division, Logan, UT, 1997*
- *National Distinguished Teacher of the Year Award, The American Society of Animal Science, Savoy, IL, 1996*
- *Camptender Award, American Sheep Industry Association national award, Englewood, CO, 1996*
- *Conservation Breeder of the Year, American Livestock Breeds Conservancy national award, Pittsboro, NC, 1996*

- *Friend of Students Award*, Division of Student Services, Utah State University, Logan, UT, 1996
- *Flying Professor Award*, Utah State University Continuing Education Division, Logan, UT, 1995
- *Outstanding Service Award*, ‘AG Week’, College of Agriculture, Utah State University, Logan, UT, 1995
- *USDA National Excellence in College and University Teaching Award* - Western Region, U. S. Department of Agriculture and National Association of State Universities and Land Grant Colleges, Washington, D.C., 1994
- *Re-entry Student Center Award*, Utah State University, Logan, UT, 1993
- *Provost Award for Curriculum Development*, Utah State University, Logan, UT, 1993
- *‘Selected Projects’*, The Rolex Awards for Enterprise, Switzerland, 1993
- *Honorary Lifetime Director*, Dine’ be iina, Inc. (Navajo Life Way Ag Cooperative), Ganado, AZ, Navajo Nation, 1992
- *Academic Adviser of the Year*, Utah State University, College of Agriculture, Logan, UT, 1990
- *Distinguished Alumnus Award - 50th Anniversary*, California Polytechnic State University, Pomona, CA, 1989
- *Golden Gazelle Award*, National Organization for Women and USU Women’s Center, Washington, D.C. and Logan, UT, 1989
- *Charles A. Lindbergh, Jr. Award in Inter-cultural Communications*, Charles and Anne Morrow Lindbergh Foundation, Minneapolis, MN, 1988
- *Utah Distinguished Civilian Award*, U.S. Air Force - Strategic Air Command and the Utah Air National Guard, 151st ARG, 191st ARES, 1988 and 1989
- *Distinguished Service Award*, The Navajo Nation, Department of Agriculture, Window Rock, AZ, Navajo Nation, 1987
- *Honorary Lifetime Member*, North American Navajo-Churro Sheep Association, Ojo Caliente, NM, 1986
- *Men of Achievement Award*, University of Cambridge, Cambridge, England, 1985
- *National Champion Fleece Judge*, National Wool Conference, American Sheep Producers Council, Denver, CO, 1984
- *Who’s Who in Frontiers of Science and Technology*, Princeton University, Princeton, NJ, 1984
- *Professor of the Year*, Utah State University, College of Agriculture, Logan, UT, 1983
- *Honorary Lifetime Member*, American Polypay Sheep Association, United States Sheep Experiment Station, Dubois, ID, 1980
- *Award of Achievement*, Society for Technical Communication, *“Handling Livestock Safely”*, 1980
- *Bronze Award*, International Film & TV Festival of New York, *“Handling Livestock Safely”*, 1979
- *Silver Award*, Festival of the Americas, Houston International Film Festival, *“Fitting and Showing Dairy Goats”*, 1977
- *Best All-Around Teacher Award*, Utah State University Agriculture Council, 1977-78
- *CINDY (Cinema in Industry) Award*, *“Sheep Management” educational audio-filmstrip series of 6 tape covering different sheep management topics,*” 1975
- *Honorary Lifetime Member*, Boots & Spurs Club, 1975 (along w/Dr. M. E. Ensminger)
- *Distinguished Teacher of the Year Award*, California State Polytechnic University, San Luis Obispo, CA, 1972-1973
- *Woodbadge Award*, Boy Scouts of America, 1972
- *J.C. Penney Western Region 4-H Adult Leadership Award*, Portland, OR, 1968
- *4-H Meritorious Service Award*, Douglas County 4-H Clubs, Minden, NV, 1968
- *Nevada State Coaches Award* for coaching winning 4-H Livestock Judging Team, Reno, NV, 1967
- *Agriservices Foundation Scholarship*, International Stockman’s School, Phoenix, AZ, 1967 & 1968
- *Alpha Zeta National Honorary Agriculture Fraternity*, University of Nevada, Reno, NV, 1965

- *National Order of the Arrow*, Tannu Lodge, Boy Scouts of America, Reno, NV, 1964
- *Max C. Fleischmann Foundation Graduate Award*, University of Nevada, Reno, NV, 1964-1966
- *Who's Who in American Colleges and Universities*, California Polytechnic State College, Pomona, CA, 1964

MILITARY RECORD

- Branch: United States Air Force & CAP
- Highest Rank: 1st Lieutenant, Pilot and Operations Officer, 2848th Air Base Wing, MATS & 125th Composite Squadron
- Stations: Basic, cadet, flight training, officer candidate school and active service: Norton AFB; March AFB; Nellis AFB, Travis AFB, Long Beach AFB and Tinker AFB.
- Military Aircraft Flown and/or Checked-Out In: L-19 'Birdog'; T-33 'T-bird'; TP-40N 'Warhawk'; C-47 'Gooneybird'; C-124 'Globemaster'
- Added experience (*while at Utah State University*): USAF Strategic Air Command, Air National Guard, 151st Group; 191 AREF Squadron; KC-135R, Salt Lake City, Air National Guard Base.
- Military Aircraft Refueled: A-7 Corsairs, F-111 Aardvarks, F-16's, FA-18 Hornet's, B-1 Bomber's
- Discharge: Honorable Discharge
- Decorations: USAF Airman's Medal for Valor & USAF Commendation Medal

AFFILIATIONS

- National Sheep Improvement Program (NSIP) & Founding Task Force Member
- American Society of Animal Science
- American Sheep Industry Association, Inc.
- American Livestock Breeds Conservancy
- Utah Wool Growers Association,
- Sheep Industry Development Program
- National Colored Wool Growers Association
- Honorary Lifetime Member, American Polypay Sheep Association
- Honorary Lifetime Member, North American Navajo-Churro Sheep Association
- American Suffolk Sheep Society, (past member and breeder)
- North American Dairy Sheep Association
- National Bison Association, Member
- Honorary Lifetime Board Member, Dine Be Iina, Inc. [The Navajo Lifeway Agricultural Cooperative]
- Council for Agricultural Science and Technology (CAST)
- Alpha Zeta National Honorary Agricultural Fraternity
- American Association for Retired People
- 'Memphis Belle' (WWII Boeing B-17F, Heavy Bomber, 8th AF) Memorial Association
- Aircraft Owners and Pilots Association
- Air Force Association

PROFESSIONAL CONSULTING

- U.S. Department of Justice, Washington, D.C. 1976-1979
- U.S. Bureau of Indian Affairs, 1987-1994
- U.S. Sheep Experiment Station, Dubois, ID, 1973-1995
- Governor of Utah, Governor's Agribusiness Task Force, 1990-1993
- State of Utah, Sheep Industry Task Force, 1988-1996
- Division of Economic Development, The Navajo Nation, Window Rock, AZ, 1992-present
- Dine' College, USDA-IIRD Program, Tsaile, AZ & Shiprock, NM, 2002-2007
- Dine' be' iina' (The Navajo Lifeway Cooperative), Navajo Nation, 1991-present
- Navajo Nation Wool Marketing Industry, Window Rock, AZ & Shiprock, NM, 1990-2001
- Native Communities Economic Development Corp., Show Low, AZ, 1994-1996
- Four-Corners Partnership, USDA--FmHA, Holbrook, AZ, 1993-1996
- Division of Natural Resources, The Navajo Nation, 1984-1989
- Ray, Quinney, Nebeker Law Firm, Salt Lake City, 1993-present
- Ramah Navajo Weavers Association, Pinehill, NM, 1984-1990
- Ganados del Valle/Tierra Wools, Los Ojos, NM, 1983-1999
- Utah Wool Marketing Association, Salt Lake City, UT, 1983-1993
- National Wool Growers Association, Salt Lake City, UT and Denver, CO, 1967-1989
- American Suffolk Sheep Society, UT, 1982-1984
- American Polypay Sheep Association, MT, 1980-present
- Washoe Indian Tribal Ranches, Dresslerville, NV, 1966-1969
- Ricks College, Rexburg, ID, 1974-1977
- Wilson Ranch, Teton Basin, WY, 1990-present
- First National Bank of Wyoming, Evanston, WY, 1993-1995
- Little Colorado River Resource Conservation and Development, Holbrook, AZ, 1993-1996
- Broadbent Livestock Co. & J.R. Broadbent Col, [Wyoming, California and Utah, largest sheep and cattle ranch in Wyoming], 1988-present
- Bank of America, San Francisco, CA, 1975-1979
- Charles Redd Sheep, Co., La Sal, UT, 1986-1991
- Christensen Ranches, Dillon, MT, 1981-2001
- Larson Livestock, Co., Lyman, WY, 1980-1988
- National Sheep Shearing Program, 1976-1995
- Consolidated Pork Producers' of Utah, 1971-1973
- Yale University Press, New Haven, CT, 1995-present
- University of Iowa Press, Iowa City, IA, 1995-present
- Interweave Press, CO, 1994-present
- Bowtie Press, Lexington, KY, 2003-present
- Sheep Magazine, WI, 1982-present
- MacMullin Publishers, 1991-1995
- Prentice Hall Publishers, 1985-present
- Blackwell Publishing, 2014 - present

PUBLICATIONS (*RECENT ONLY*)

- Request extended listing if desired.
- Hobby Farms Magazine, Lexington, KY, Regular contributor, every issue, "*Livestock Q&A*" column, 2004-present
- Article author, 2007, "*In Your Hands, Do-it-Yourself Veterinary Guide*", Hobby Farms Magazine,

- January/February, Vol. 7, No. 1, pp. 44-53.
- Article author, 2007, “*Scouring Wool With Bubble Agitation: Part 1*”, Sheep Magazine, January/February, Vo. 28, No. 1, pp. 31-33
- Article author, 2007, “*Scouring Wool With Bubble Agitation: Part 2*”, Sheep Magazine, March/April, Vol. 28, No. 2, pp. 29-31.
- Book author, “*Small Ruminant Production Medicine and Management*”, Animal Health Publications & InfoVets.com, 2002-present
- Manual author, “*Wool Grading and Fleece Evaluation Training Manual*”, USDA-IIRD Program, Dine’ College, Tsaile, AZ (Navajo Nation Land-grant College program USDA funded), 2005-present with updates.
- Peer Reviewed: M.H. Stevenson, Ashley Stokes, and L.McNeal. 2012. “*An Introduction to Sheep and Goat Parasite Management in Hawai’i*”. College of Tropical Agriculture and Human Resources, University of Hawai’i at Manoa. Landscape Management - October 2012; LM-24.
- Peer Reviewed: B. Burritt, L. McNeal, R. Miller, and F. Villar. 2012. “*Flushing Ewes Improves the Number of Offspring in a Commercial Range Management Operation*”, Journal of the NACAA 5(2)
- Peer Reviewed: K. Shumway, M.L. Pate and L.G. McNeal. 2014. “*Dine’ (Navajo) Parents’ and Community Leaders Perceptions of Agriculture-Related Injury Risk to Youth: A Social Narrative*”. Journal of Agricultural Safety and Health. 20(1): 15-31.
- Book Review: A. Eales, J. Small, and C. Macaldowie. 2014. “*Practical Lambing and Lamb Care*” 3rd Ed. Blackwell Publishing, Oxford, U.S. 247 pp.

OTHER PROFESSIONAL ACTIVITIES

- USDA-CSREES & SBIR, regular reviewer for projects associated with sheep, goats, and fiber, 1989-present
- Sheep & Goat Research Journal, Editorial Review Board, Management Section, 1987-1999
- Journal of Animal Science, American Society of Animal Science, Editorial Reviewer, Applied Animal Science Section and Animal Fiber Research, 1979-present
- USDA-Western Region SARE Program, Four-Corners Navajo Nation Sustainable Agriculture Demonstration Project, Leader (P.I.), 1993-1997
- National Sheep and Wool Show Judge, 1964-present
- International Sheep Shearing Contest Judge, 1991-present
- First International Sheep Dog Trials, Coordinator-Manager, 1987 & 1988
- Small Business Administration, Small Business Innovative Research Grants Proposal Reviewer, 1981-present
- Charles A. and Anne Morrow Lindbergh Foundation, Technical Review Panel Member, 1991-present, and Balance Review Panel Member, 1997-present
- Four-Corners Value-Added Agriculture Committee, 1993-2002
- Navajo Sheep & Goat Producers Association, Adviser, 1995-present
- United States Agency for International Development (USAID), Small Ruminant Projects Review and Evaluation, 1989-2001
- American Sheep Producers Council, Farm Flock Task Force, Regional Representative, 1985-1987
- Navajo Wool Marketing Industry, Adviser, 1978-2003
- Dine’ be iina, Inc. (Navajo Life-Way Ag Cooperative), Technical Adviser, 1992-present

- Certified Llama and Alpaca Judge, ALSA, 1998-present
- Heifer International, (non-profit), Consultant, for Navajo Nation and Chihuahua, Mexico operations, 1993-present

COMMUNITY SERVICE

- Western Folklife Center, Consultant, Elko, NV
- American West Heritage Center, Wellsville, UT
- American Heritage Sheep Center, Board Member, Rawlins, WY
- Livestock Education Foundation, Trustee, Logan, UT
- Cache Valley Historical Society, Logan, UT
- Festival of the American West, Logan, UT
- Ronald V. Jensen Historical Farm, College Ward, UT
- Pioneer Trail State Park & This is the Place Monument, Salt Lake City, UT
- Military Vehicle Preservation Association, Independence, MO
- Rocky Mountain Railroad Club, Denver, CO
- Boy Scouts of America, Logan, UT, Both as Scout and Adult Scouter, 1950 - present.
- Summer Senior Citizens Program (Sun City, AZ), Logan, UT
- Elderhostel, Logan, UT
- 4-H Livestock Club Adult Leader & Livestock Judging Coach
- Counselor, American Society of Range Management - Director, The Nevada Range Camp for Boys (1966, 1967 and 1968)
- Certified 1966, NRA Small Arms Training Instructor (retired)
- Certified 1966, Nevada State Dept of Education & U.S. Department of Defense, Radiological Monitoring

BOY SCOUTS OF AMERICA SERVICE

- Locations of Service: Pomona, CA, Reno, NV, Carson Valley, NV, San Luis Obispo, CA & Cache Valley, UT
- Assistant Scoutmaster, 1963 & 1964
- Order of the Arrow, Tannu Lodge, Nevada, 1965
- Scoutmaster, 1964 -68 & 1969 -1975
- Explorer Post Advisor, 1968-1969
- National Camping Award, National Camping School, 1971
- Council Commissioner, Commissioned, 1971
- Totem Pole Award, 1972
- Woodbadge Award, 1972
- Chairman's Award, District Roundtable, 1976
- Author, Re-writes for Animal Science Merit Badge Booklets, 1979 - 1981
- Troop Committee Member, 1979 - 2000
- Eagle Scout Review Board, 1979 - 2000
- Merit Badge Counselor; Citizenship in Community, Citizenship in Nation, Animal Science, Aviation/Aerospace, Railroading, Indian Lore, Canoeing, Rowing & Camping

UNDERGRADUATE EXTRACURRICULAR ACTIVITIES AT CAL POLY

- Deans Academic List, School of Agriculture, 1962-63 & 1963-64
- Chairman, Animal Science Club Homecoming Committee, 1962
- Sweepstakes Trophy, Homecoming Float Animal Science Club entry. (*First time Animal Science Club had ever won an award in the homecoming competition.*), 1962
- Co-Chair, Animal Husbandry Dept. 'Poly Vue' Annual Open House, 1962 & 1963
- President, Animal Science Club, 1963 - 1964
- Member, Junior and Senior Livestock Judging Teams, Animal Husbandry Dept., 1963 & 1964
- Co-founder of the 1st Annual 'Poly Vue' Intercollegiate Rodeo, 1964
- Active participant in the Cal Poly Agricultural Enterprise Project system, 1961 - 1964, Beef Cattle, Sheep and Swine Projects. (*These activities helped to finance my educational expenses, plus working at the various livestock units, 1961, 1962, 1963 and 1964.*)
- Member/Trainer/Exhibitor, W. K. Kellogg Arabian Horse Show Team, 1961 - 1963
- Manager/Shepherd/Team Leader, Cal Poly Sheep Show String, 1963 & 1964
- Livestock Exhibitor at major U.S. livestock shows and sales 1959-1964, with the following species and breeds: Beef Cattle, Hereford and Shorthorn; Sheep, Hampshire, Suffolk, and Rambouillet; Horses, Arabian.
- Who's Who in American Colleges and Universities Award, California Polytechnic State College , Pomona, CA, 1964

PERSONAL INTERESTS

- Western History (Native American, Hispanic, and Anglo) and General Americana
- Flying Aircraft, and as Pilot
- American Military & Aviation History
- Collecting historical memorabilia associated with the following eras:
 1. Indian War Era, (1860-1891), both Native American & U.S. A., Cavalry/Mounted Branches
 2. WWII Militaria, U.S.M.C., U.S.A., and U.S.N. (1939-1945)