

# Classroom on the Range



**ROUTE OF THE 1966 range study tour.**

Students majoring in range management and related sciences at The University of Arizona take a field studies course in range management each summer. The three-unit course lasts three weeks and the group travels approximately 3000 miles in Arizona and adjacent states. Class size has varied from 8 to 16 students, and usually includes several foreign students.

Students and professors bring their own bed rolls and personal effects and camp out on the way. A pickup is used to carry the chuck box and camping gear, and sedans or carryalls are used to transport passengers.

A fee of \$60 is paid by each student to cover travel, and a deposit of \$40 is made for food costs. Tents and cooking gear are furnished by The University of Arizona.

Last summer 12 students took the course. It began Aug. 22 and ended Sept. 10. Stateside students taking the course were Boyce Bryce, Jay Cable, Dave Doty, Bill Faust, Jerry Goodman, Bill Hardt, Gerald Hawkes, Charles Plumb, Gerald Poe and Dave Smith. Foreign students were Mohamed Awaleh from Sudan and Anwar  
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**POISON PLANT** problems are discussed by Kel Fox (right) on his ranch near Sedona.

By Ervin M. Schmutz



**DESERT GRASSLAND** range in good condition, on Billy Riggs ranch near Dos Cabezas.



**LOGS HARVESTED** from spruce-fir woodlands of Kaibab National Forest, south of Jacobs Lake.



**GULLIED DRAINAGE** freshly plowed and reseeded to grasses, on Dixie National Forest near Panguitch, Utah.



**TYPICAL ALPINE** grassland above timber line on Fishlake National Forest, east of Beaver, Utah.

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Chaudhry from Pakistan. All were senior or graduate students in Range Management except Bill Faust, a graduate student in Watershed Management.

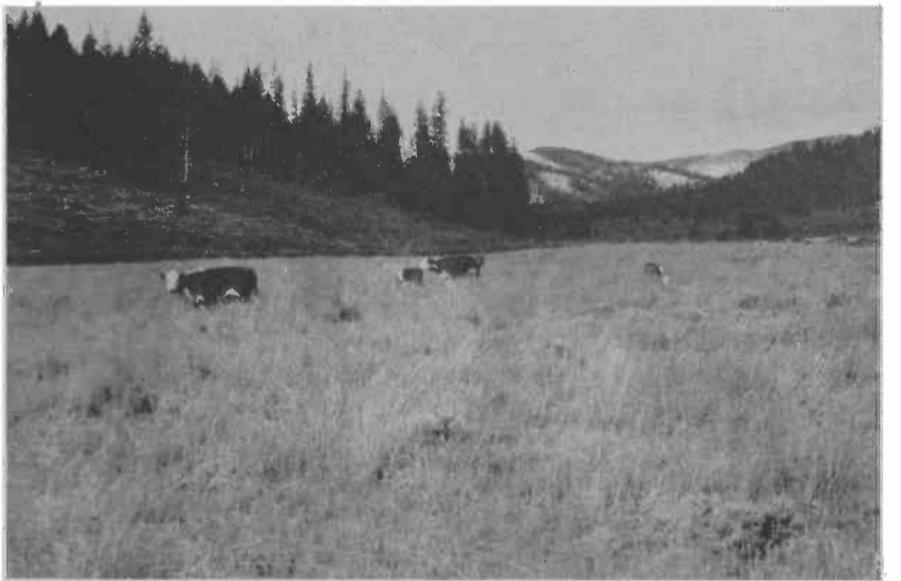
### Study Along the Way

The trip was made to various points in Arizona and Utah. Stops were made in vegetative types along the way to study the species composition, ecology, and management problems of each area. Visits were made to ranches, experiment stations, national forests, and national parks to discuss range problems and treatment practices with ranchers and representatives of the various land management agencies. These people gave excellent on-the-ground discussions of their work and experience.

Ranchers visited included Kel Fox, Sedona, for discussions on grazing management, poisonous plants and watershed treatments; Lee Esplin, Arizona Strip, for discussions on rotation grazing, contour furrowing, reseeded, and water development; Dr. Lamar Graff, Cedar City, Utah, for discussions on sheep management; Ernest Chilson, Flagstaff, on management of corporation ranches; and Billy Riggs, Dos Cabezas, on brush control and grass management.

National Forests visited included the Kaibab National Forest to study timber management, reseeded, and wildlife management; the Fishlake National Forest to study recreation, range improvement, and manage-

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**ALPINE MEADOW** on Dixie National Forest, Utah, rehabilitated by contour furrowing, reseeded and proper grazing management.



**GABION WIER** to control gully erosion and help establish meadow, on Dixie National Forest near Bryce Canyon, Utah.

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ment of alpine grasslands; the Dixie National Forest to study range reseeding and gully control; the Prescott, Coconino, and Apache National Forests to study management problems in grazing, water, wildlife, timber and recreation.

### Two Indian Reservations

Agencies visited included the Ft. Apache and San Carlos Indian Reservations to study reseeding of forest burns and livestock and range improvement; the Bureau of Land Management to study brush control and reseeding; the Desert Range Experiment Station near Milford, Utah, to study management of desert ranges; the Sierra Ancha and Ft. Valley branches of the Rocky Mountain Forest and Range Experiment Stations and the Beaver Creek Watershed to study animal nutrition, forest regeneration and watershed management.

The Soil Conservation Service was visited to study range improvement and erosion control. Studies were also made on management of irrigated pastures and meadowlands. Pastures studied included those on the John Olson, Delbert Pierce, Lamar Graff, and Ernest Chilson ranches.

### Ate Their Own Cooking

In addition to training in range and pasture management, students received instruction and experience in outdoor camping and cooking. Teams of students took turns in planning, cooking and serving meals.

Other benefits included experience in meeting and getting along with people, exchanging of ideas, learning the customs of students from foreign lands, and an acquaintance with the organization and operation of federal agencies.

The trip this summer will be from Aug. 21 to Sept. 9, and will be taught by Dr. Phil Ogden.



**EXCELLENT STAND** of Lehmann Lovegrass on mesquite dune area of San Simon Valley near Bowie, Arizona.



**PINE-CLAD CLASSROOM** at Fort Valley Experiment Station west of Flagstaff. Discussion concerns forest management.



**BURNED-OVER** Ponderosa pine, near McNary, Ariz. Now reseeded for erosion control and forage.



**LONG MEADOW** Ranch, near Prescott, where students observe and discuss problems in managing a sub-irrigated meadow.