

Anatomy of a Discipline

Compiled by A.A. Beetle

The successful formation of an international Society, publication of a journal, the size of school enrollments, the attendance at semiannual international, and frequent local meetings, as well as the volume of research being undertaken all indicate that a new scientific field, range management, has emerged from the shadows of agronomy, wildlife, forestry, plant ecology, animal nutrition, arid land agriculture, and other related, and overlapping subject areas.

Because we are close in history to this event, because a large number of those responsible are still alive, and because thorough records have been kept, it is possible to document this event in a manner which has seldom been possible for similar events in the past. No one person or group, and no one geographic area other than the whole of the western United States, has been primarily responsible. It has, rather, been a widespread, gradual but steady growth. Consequently the recognition goes to many.

As in any good evolutionary development, range management did not spring up as something new but evolved. The following lists are attempts to show from whence came the materials and who were the principals in the early years of the Society. Not only are the men ranked in their categories, but also on the number of references of them in the *Journal*, the first 19 volumes of which reflect the first 20 years of the Society.

Where Did They Come From?

In a country where people are mobile, the place of origin seems to lose significance. The range men came, literally, from everywhere. Perhaps largely by accident the following states happened to make the greatest contributions:

1. KANSAS: C.W. Cook, J.R. Bentley, G.A. Rogler, D.R. Cornelius, and F.W. Albertson.
2. ILLINOIS: R.S. Campbell, A.L. Hafenrichter, C.K. Pearse, D.R. Cable, and J.L. Retzer.
3. COLORADO: L.A. Stoddart, D.F. Hervey, M.S. Morris, F.H. Kennedy, and J.F. Arnold.
4. IDAHO: H.F. Heady, J.F. Pechanec, A.C. Hull, L.E. Harris, and J.P. Blaisdell.
5. NEBRASKA: A.W. Sampson, D.R. Costello, K.L. Anderson, R.C. Chapline, and D.H. Gates.
6. IOWA: J.E. Weaver, E.J. Dyksterhuis, G.D. Pickford, R.M. Hurd, and R.S. Rummell.
7. CANADA: E.W. Tisdale, R.M. Love, D.G. Wilson, A.L. Brown, and R.T. Coupland.
8. MISSOURI: H.H. Biswell, M.W. Talbot, R.E. Eckert, W.G. McCully, and R.L. Lang.
9. UTAH: B.W. Allred, V.A. Young, A.D. Smith, L.K. Halls, and O. Julander.
10. CALIFORNIA: R.R. Humphrey, H.C. Reynolds, E.H. Reid, W.F. Howard, and L.J. Berry.
11. WYOMING: E.J. Woolfolk, F. Rauzi, C.L. Forsling, D. Bohmont, and M. May.

12. MONTANA: F.G. Renner, D.A. Savage, G.W. Payne, W.C. Robocker, and E.B. Stanley.
13. ARIZONA: E.H. McIlvain, C. Wasser, K.A. Wagnon, S.C. Martin, and W.J. McGinnies.
14. MINNESOTA: A.M. Schultz, H.C. Hanson, H.A. Paulsen, R.W. Harris, and W.R. Kneebone.
15. Texas: T.W. Box, C.A. Rechenthin, D. Huss, V.L. Duvall, and H.M. Laude.

Where Did They Learn?

The number of schools contributing degrees is about as diverse as the places of origin. Many range men have degrees from two or more schools. Schools with a strong influence seem to be:

1. FT. HAYS (KANSAS): C.W. Cook, F.W. Albertson, J.L. Launchbaugh, G. W. Tomanek, and F.E. Kinsinger.
2. UTAH STATE: C.W. Cook, B.W. Allred, V.A. Young, A.D. Smith, and A.C. Hull.
3. TEXAS A.&M.: C.W. Cook, D.F. Hervey, D.W. Hedrick, L.K. Halls, and G.W. Thomas.
4. U. OF CHICAGO (ILL.): R.S. Campbell, D.F. Costello, R.A. Darrow, W.P. Cottam, and L.F. Graber.
5. COLORADO STATE: L.A. Stoddart, D.F. Hervey, E.H. McIlvain, L.K. Halls, and M.S. Morris.
6. U. OF NEBRASKA: L.A. Stoddart, H.F. Heady, A.W. Sampson, J.E. Weaver, and H.H. Biswell.
7. U. OF IDAHO: H.F. Heady, J.F. Pechanec, D.N. Hyder, F.H. Kennedy, and G.J. Chohlis.
8. U. OF CALIFORNIA: A.A. Beetle, K.W. Barker, D.F. Hervey, G.M. Van Dyne, A.D. Smith, and D.W. Hedrick.
9. U. OF MINNESOTA: J.E. Weaver, E.W. Tisdale, R.R. Humphrey, V.A. Young, and G.A. Rogler.
10. U. OF WYOMING: A.A. Beetle, R.L. Lang, O.K. Barnes, D.F. Burzlaff, and F. Rauzi.
11. KANSAS STATE: J.R. Bentley, G.A. Rogler, D.R. Cornelius, W.T. White, and K.L. Anderson.
12. OREGON STATE: F.G. Renner, D.N. Hyder, G.J. Chochlis, R.E. Eckert, and W.C. Weir.
13. U. OF ARIZONA: R.A. Darrow, J.T. Cassady, G.E. Glendenning, C.H. Wasser, and S.C. Martin.
14. MONTANA STATE: D.A. Savage, H.G. Fisser, M.J. Reed, and D.A. Jameson.
15. WASHINGTON STATE: D.W. Hedrick, J.G. Clouston, C.E. Poulton, O.A. Leonard, and D.L. Goodwin.
16. S. DAKOTA STATE: G.M. Van Dyne.

I. Teachers

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| 1. Cook, C.W.-Utah State U. | 9. Humphrey, R.R.-U. Ariz. |
| 2. Stoddart, L.A.-Utah State U. | 10. Love, R.M.-U. Calif. |
| 3. Heady, H.F.-U. Calif. | 11. Hervey, D.F.-U. Colo. |
| 4. Sampson, A.W.-U. Calif. | 12. Young, V.A.-Texas A&M |
| 5. Beetle, A.A.-U. Wyo. | 13. Smith, A.D.-Utah St. U. |
| 6. Weaver, J.E.-U. Nebr. | 14. Robertson, J.H.-U. Nevada |
| 7. Tisdale, E.W.-U. Idaho | 15. Hedrick, D.W.-Oregon St. |
| 8. Biswell, H.H.-U. Calif. | 16. Whitman, W.C.-N. Dak. St. Col. |

Teachers (continued)

17. Morris, M.S.-U. Montana
18. Harris, L.E.-Utah St. U.
19. Albertson, F.W.-Ft. Hays, Kan.
20. Shultz, A.M.-U. Calif.
21. Wasser, C.H.-U. Colo.
22. Thomas, G.W.-Texas Tech.
23. Poulton, C.E.-Oregon St.

II. Forest Service

1. Campbell, R.S.
2. Pechanec, J.F.
3. Parker, K.W.
4. Woolfolk, E.J.
5. Talbot, M.W.
6. Costello, D.E.
7. Darrow, R.A.
8. Halls, L.K.
9. Kennedy, F.H.
10. Reid, E.H.
11. Ellison, L.

24. Box, T.W.-Texas Tech.
25. Harlan, J.A.-Okla. St. U.
26. Launchbaugh, J.L.-Ft. Hays
27. Harris, G.A.-Wash. State U.
28. Tomanek, G.W.-Ft. Hays.
29. Lang, R.L.-U. Wyo.
30. Payne, G.F. Montana St.

III. Soil Conservation Service

1. Allred, B.W.
2. Renner, F.G.
3. Dyksterhuis, E.J.
4. Albee, L.R.
5. Anderson, E.W.
6. Freeman, J.D.

IV. Agricultural Research Service

1. Hull, A.C., Jr.
2. McIlvain, E.H.
3. Hafenrichter, A.L.
4. Rogler, G.A.
5. Branson, F.A.
6. Burton, G.W.
7. Rauzi, F.
8. Cornelius, D.

V. Deceased

1. White, W.T. (1891-1956)
2. Savage, D.A. (1901-1954)
3. Albertson, F.W. (1892-1961)
4. Glendenning, G.E. (1912-1963)
5. Hanson, H.C. (1891-1962)
6. Ellison, L. (1908-1958)
7. Clements, F.E. (1874-1945)
8. Clarke, S.E. (1880-1963)
9. Gilbert, H.R. (1897-1952)
10. Dayton, W.A. (1885-1958)

VI. Bureau of Land Management

1. Larson, F.
2. Kinsinger, F.E.
3. Wilson, D.G.
4. Noble, M.

VII. Ranchers

1. Atkins, A.P.
2. Fulton, D.A.
3. Weaver, G.
4. Orcutt, J.B.
5. Wolff, O.J.

VIII. Businesses Other Than Ranching

1. Chochlis, G.J.
2. Clawson, M.
3. Grumbles, J.B.
4. Williams, L.

IX. Outside the U.S.

1. Campbell, J.A.
2. Campbell, J.B.
3. Gonzales, M.
4. Davies
5. Levy

X. Extension

1. Jackman, F.R.
2. Barnes, O.K.
3. Walker, A.H.
4. Bedell, T.
5. Jefferies, N.
6. Hyde, R.
7. Nicholls, J.

XI. Statisticians

1. Snedecor
2. Cochran
3. Turkey
4. Stein
5. Duncan

Cooperative Education

Many employers in the Western United States work with Cal Poly to help meet their temporary employee needs with outstanding students every year. This employer-university union is brought about via Cal Poly's Cooperative Education work-experience program. Cal Poly students are selected by sponsoring companies for three- to six-month periods of paid, full-time, career-related work alternating with periods of on-campus study.

Nearly half of the students taking advantage of this program are hired after graduation by their co-op employers, and go on to distinguish themselves by their high productivity and fidelity to their employers.

For more information write or call: Cooperative Education Program, California Polytechnic State University, San Luis Obispo, CA 93407.

Riparian Conference

An interagency North American riparian conference will be hosted as part of the University of Arizona's Centennial Program in Tucson, April 16-18, 1985. Sponsored by agencies from the United States, Mexico, and Canada, the conference is entitled "Riparian Ecosystems and Their Management: Reconciling Conflicting Uses." Abstracts from

which papers will be selected for the conference are due October 31. Symposium proceedings will be published by the Rocky Mountain Forest and Range Experiment Station. For further information write: R. Roy Johnson, #125 Biological Sciences East, University of Arizona, Tucson, AZ 85721.

Univ. Idaho College of Forestry, Wildlife, and Range Sciences Celebrates 75th

Special events, including a seminar series, alumni activities, and the publication of a history, are planned to commemorate the 75th anniversary of the University of Idaho College of Forestry, Wildlife and Range Sciences.

Founded in 1909 as a Department of Forestry within the College of Agriculture, the college began with 1 professor—department head Charles Houston 3 courses, and 11 students.

Now, over 60 faculty members offer 100-plus courses in over 75 renewable natural resources areas to more than 500 undergraduate and graduate students from throughout the country and the world. The college occupies a modern three-story building of some 91,000 square feet and 170 classrooms, laboratories, and offices, as well as a computer terminal room.