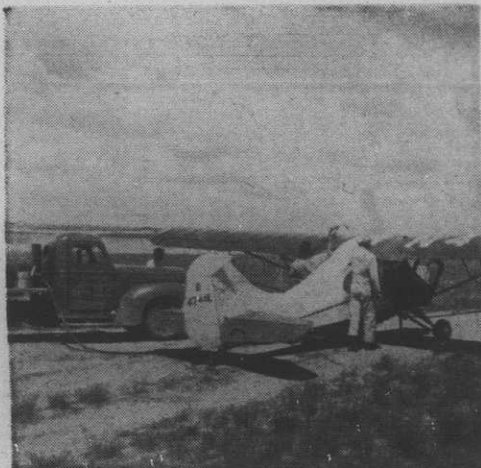


# Planes, Ground Rigs Mobilized In 1951 War Against Weeds



Spray planes bussing in and off of country roads, stubble strips or grain fields were an increasingly common sight in Montana wheat areas this spring as chemical weed control activities got in full swing. Three farmers and two pilots with their light-spray planes were in a conference at this country crossroad in Valley county. Pictured left to right are Pilots Kenny Kjelstrup and R. O. Cooper of Glasgow, and farmers Abe Friesen, Stephen Wagner and Gabin Wagner.

Ground crew is seen busy here putting 2,4-D and diesel oil mixture for weed control into airplanes. Most airplane spraying operators, as in this case, furnish ground crews, chemical, oil and flagmen as well as airplane and pilot for a fixed fee. The charge here was \$1.65 per acre and reports of fees by similar operators over the state indicate charges varying from \$1.25 an acre to over \$2.00 per acre this season. (M F-S photos)



Walter Knaff, at right near spray boom, and brother Eugene, standing on the truck, used this truck mounted spray rig for weed control on about 1,000 of their 1,500 acres in spring wheat this year. The 3/4-pint of 2,4-D ester was being driven about 8 miles per hour. Tank on truck holds 200 gallons and calls for about four stops per day for re-filling. Rig will cover about 250 acres in a day's operation. A 30-foot boom is used and 1 h. p. gasoline motor operates the pump. Knaff brothers like the ground rig because it is an inexpensive operation costing about 40 cents per acre for gas and chemical and as the summerfallowing was already done this spring they could have been fishing anyway.



Jergen Dokken, Valley county, sprayed about 400 acres of his spring wheat this year using the tractor-drawn trailer with 42-foot boom seen above. Two swivel wheels were added for stability to the trailer in place of one that came with the original machine. Power take-off of the tractor operates pump developing 35 pounds pressure for the nozzles spaced every 20 inches on the 42-foot boom. He was applying 3/4-pint (3/10 pound) of 2,4-D ester per acre in 5 gallons of water at a speed of 5 miles per hour. The tank holds 300 gallons and is filled about 3 times a day for spraying on from 120 to 200 acres per day.



## Tour to Feature State History

DR. M. G. BURLINGAME, head of the history department at Montana State college, has outlined major points of historical interest which will be seen during the six-day tour of the conservation caravan which will start July 23 at Three Forks, according to B. W. Brink, extension soil conservationist at Montana State college and tour chairman.

While the tour is arranged to show practices which will aid in conservation of resources, the historical information is an added feature. This information was assembled by the history group of the Bozeman branch of the Montana Institute of Arts.

Those making the tour are urged by Brink to come to Three Forks July 22 to see the Lewis and Clark pageant. From there historical points of interest will be pointed out along the tour which will end at Helena, July 28.

Old Three Forks and the Lewis and Clark survey point near the present town of Three Forks will be explained. The next major historical points will be the Indian cave and fossil beds near Whitehall.

From Whitehall to Ennis, historical incidents in the old mining area centered around the Potosi Hot Springs near Pony; mines, corundum of gem quality, the story of Ennis and Jeffers and old ranches will be described to the group.

Attention will be called to the battle of the Big Hole and early history of Bannack, on the route from Anaconda to Dillon. From Dillon to Whitehall Beaverhead rock and the old Vigilante trail will be described.

## Conservation Field Day July 12

Supervisors of soil conservation districts of four northeast Montana counties, comprising Roosevelt, Sheridan, Daniels and Richland counties are again sponsoring the annual conservation field day at the Moen demonstration farm near Froid on July 12.

The annual field day this year is under the general chairmanship of Fay Crusch, chairman of the board of supervisors of the Froid-Culbertson and Bainville soil conservation districts.

Included on the program will be the showing of conservation movies, a short conservation tour, a stubble mulch tillage implement demonstration, a stubble mulch seeding equipment demonstration and a tour of the tillage experimental plots, grain variety nurseries, grass nursery and fertilizer demonstrations. A noonday lunch served in the grove on the demonstration farm will also be a feature of the day's program.

Members of the Montana Agricultural Advisory council in session at Sidney on this same weekend have indicated their plans to be present for the day's activities. Immediately following the noonday lunch, the assembled group will be addressed by Dr. R. R. Renne, president of Montana State college, and M. A. Bell, assistant director of the Montana Agricultural Experiment station.