

EASTSIDE RANGE TOUR

May 1, 1958

S. W. Thurber, farm advisor

in cooperation with

W. S. Orvis & Sons, Farmington

Bob Brunker, Knights Ferry

Dolling Bros., La Grange

RANGE FERTILIZATION TRIALS

Range fertilization trials were established in three areas of the eastside of the county in the fall of 1957. One trial was on the W. S. Orvis and Sons "Snow" ranch. Another trial known as the Brunker trial was established on Rancheria Del Rio Estanislau and one was established on the Dolling Brothers ranch at La Grange. The purpose of these trials was to determine approximate rates of fertilizer to use on range land as well as what fertilizer to use in these three areas to get the best results for the money. The idea was to harvest these plots four times during the growing season to determine the individual action of the various materials used and when and how much growth occurred. Because of extremely wet conditions, it was impossible to harvest these plots the last of January 1958.

The first clipping of the Orvis plot was February 27, 1958. The second clipping of this plot was March 28 and the third clipping was April 25. These plots were put on with a 10 foot easy-flow spreader. In harvesting these plots we used a 42 inch mower to be sure we were in the center of each treatment and were not getting into the over-lapping area near the edges of the treatment.

In the following charts you will notice the green weights per acre. Sixteen random grab samples were made in each strip at each harvest. These samples were used to determine the percentage moisture in the forage at that time of harvest. These samples were weighed green, placed in an oven at 60 degrees centigrade for 24 hours and reweighed. Many of these moistures on our first harvestings were quite high because the plots were actually harvested in the rain.

The Brunker plots have been harvested twice; first on March 13, second on April 24. Results of the clippings are attached.

The Dolling plot was harvested on March 6 and again on April 10. Results of these harvests are attached. At least one more harvesting is scheduled for each plot.

These trials will be conducted for at least two more years.

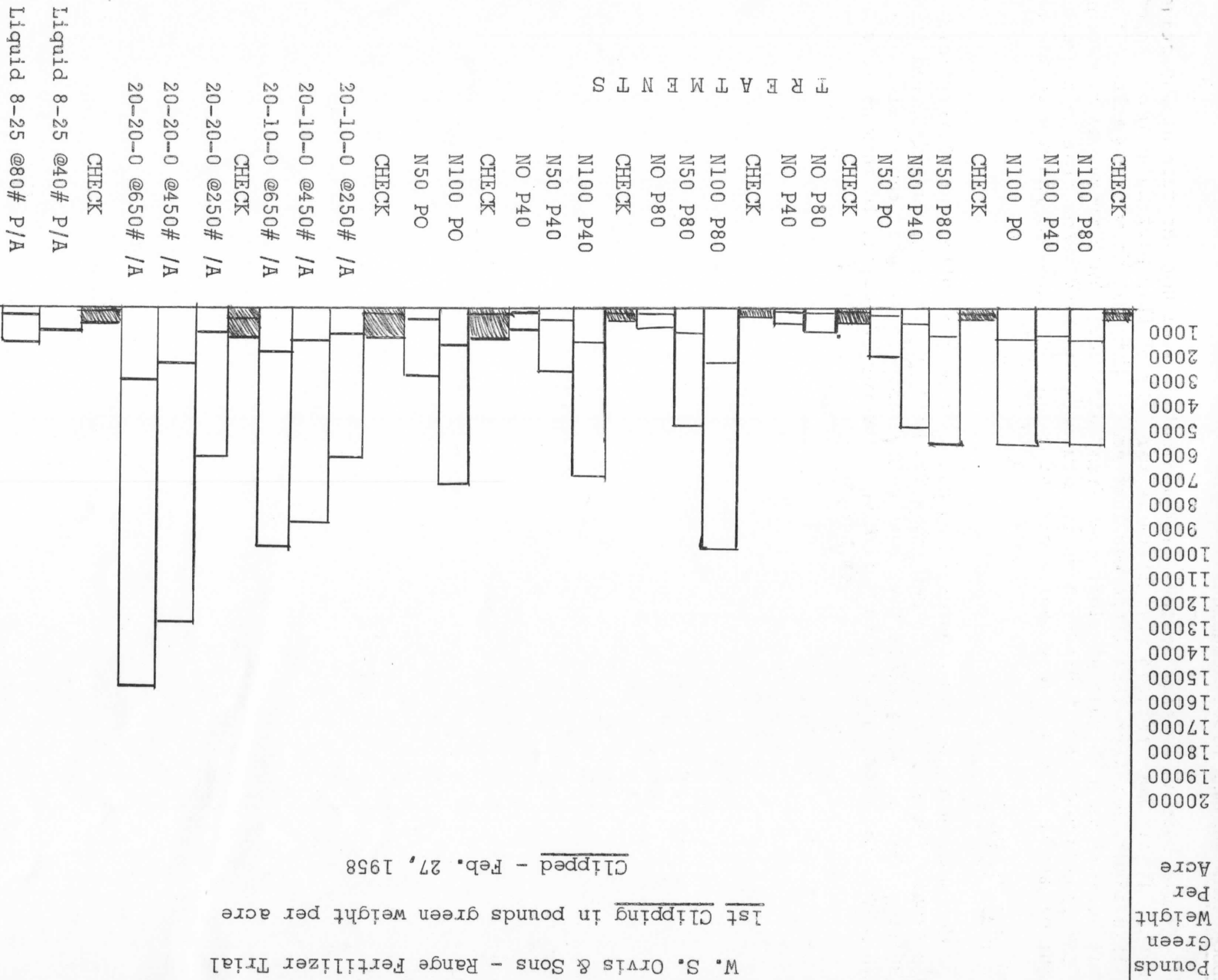
GOAT GRASS (Aegilops triuncialis)

This has become a serious range pest in this area. At this time it has not yet put out seed head, however, it can be recognized and is growing quite profusely in much of the area in this locality. The cattle do graze this grass in it's vegetative stage before the seed head appears. This seed head has long awns equipped with quite vicious barbs and the cattle will not eat it after this head appears. It is easily recognized in the late spring when the native grasses mature and turn brown. The Goat grass will remain green for 2 to 3 weeks longer than the rest of the native grasses. These seed heads will break off and fall down next to the plants and unless they are packed around by the animal, will not be blown much by the wind. Therefore, the next years growth will form a solid stand of Goat grass and will exclude many of the desirable species.

W. S. Orvis & Sons - Range Fertilizer Trial

1st Clipping in pounds green weight per acre

Clipped - Feb. 27, 1958



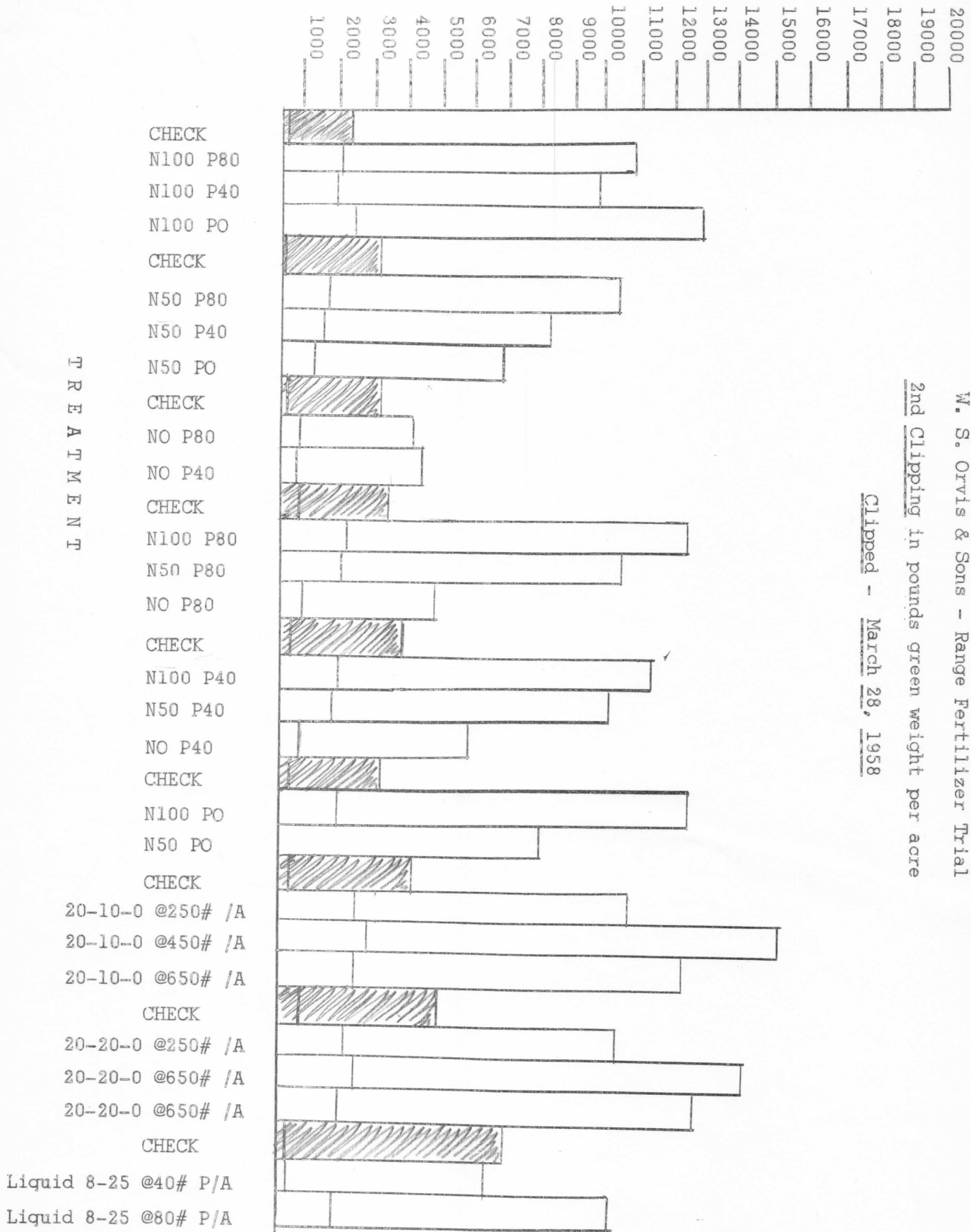
Pounds Green Wt. Per Acre

W. S. Orvis & Sons - Range Fertilizer Trial

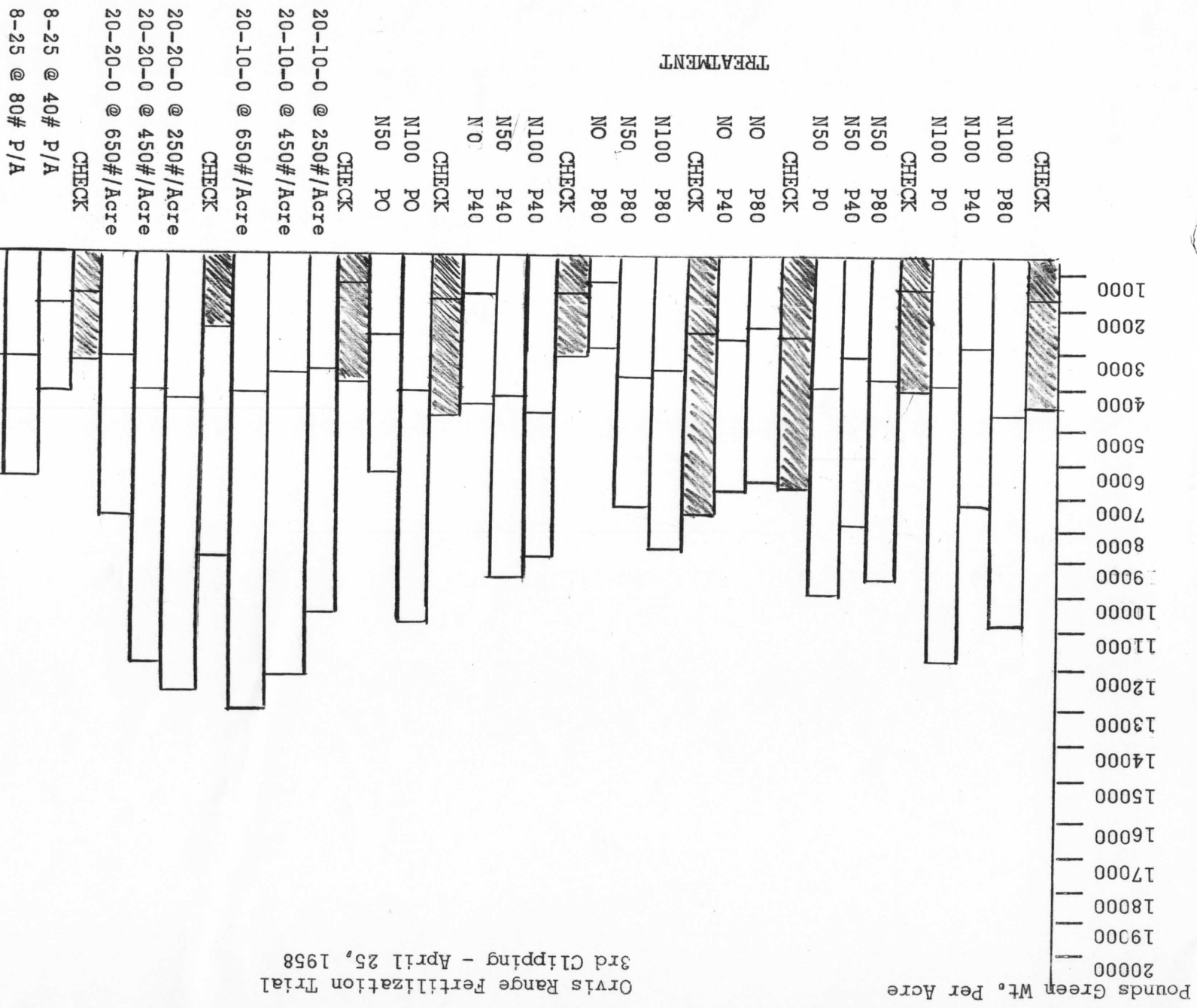
2nd Clipping in pounds green weight per acre

Clipped - March 28, 1958

TREATMENT



Orvis Range Fertilization Trial  
3rd Clipping - April 25, 1958



Pounds Green Wt. Per Acre

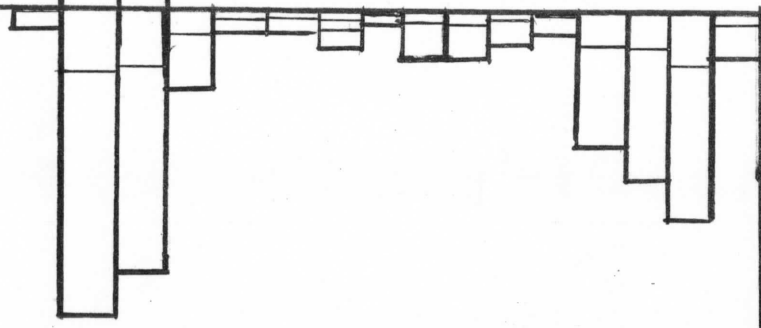
TREATMENT

Pounds  
Green Weight  
Per Acre

16000  
15000  
14000  
13000  
12000  
11000  
10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000

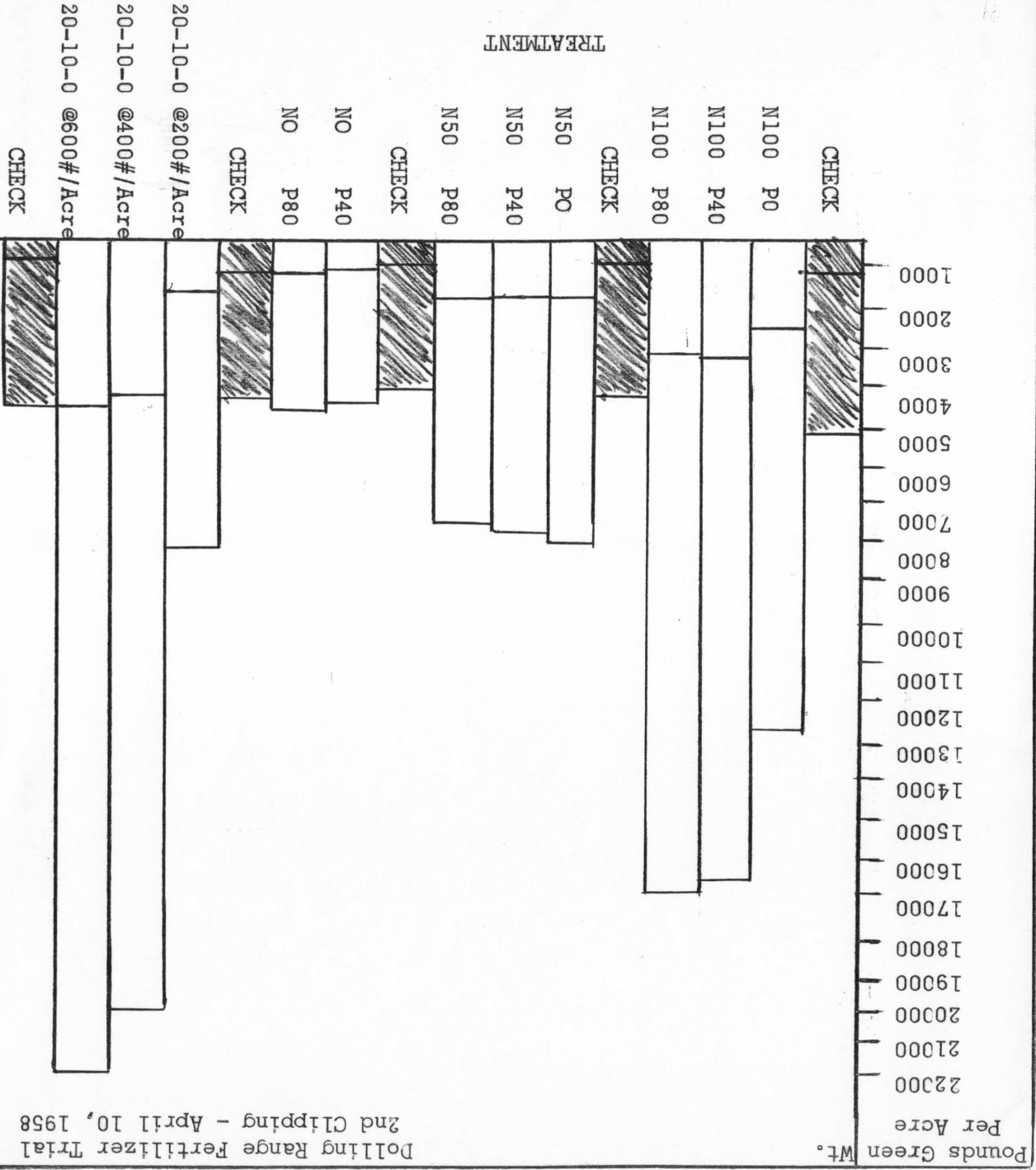
TREATMENTS

CHECK  
N100 P0  
N100 P40  
N100 P80  
CHECK  
N50 P0  
N50 P40  
N50 P80  
CHECK  
NO P40  
NO P80  
CHECK  
20-10-0 @ 200# /acre  
20-10-0 @ 400# /acre  
20-10-0 @ 600# /acre  
CHECK



Dolling Range Fertilizer Trial  
1st Clipping - March 6, 1958

Polling Range Fertilizer Trial  
2nd Clipping - April 10, 1958



Pounds Green Wt.  
Per Acre

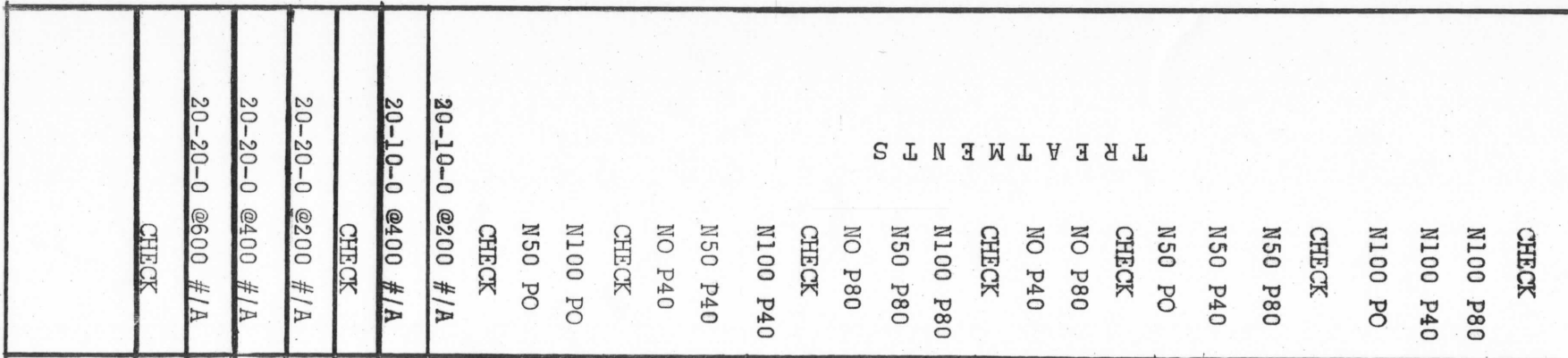
Pounds  
Green  
Weight  
Per  
Acre

16000  
15000  
14000  
13000  
12000  
11000  
10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000

Rancheria Del Rio Estanislau  
Range Fertilization Trial  
1st Clipping - March 13, 1958

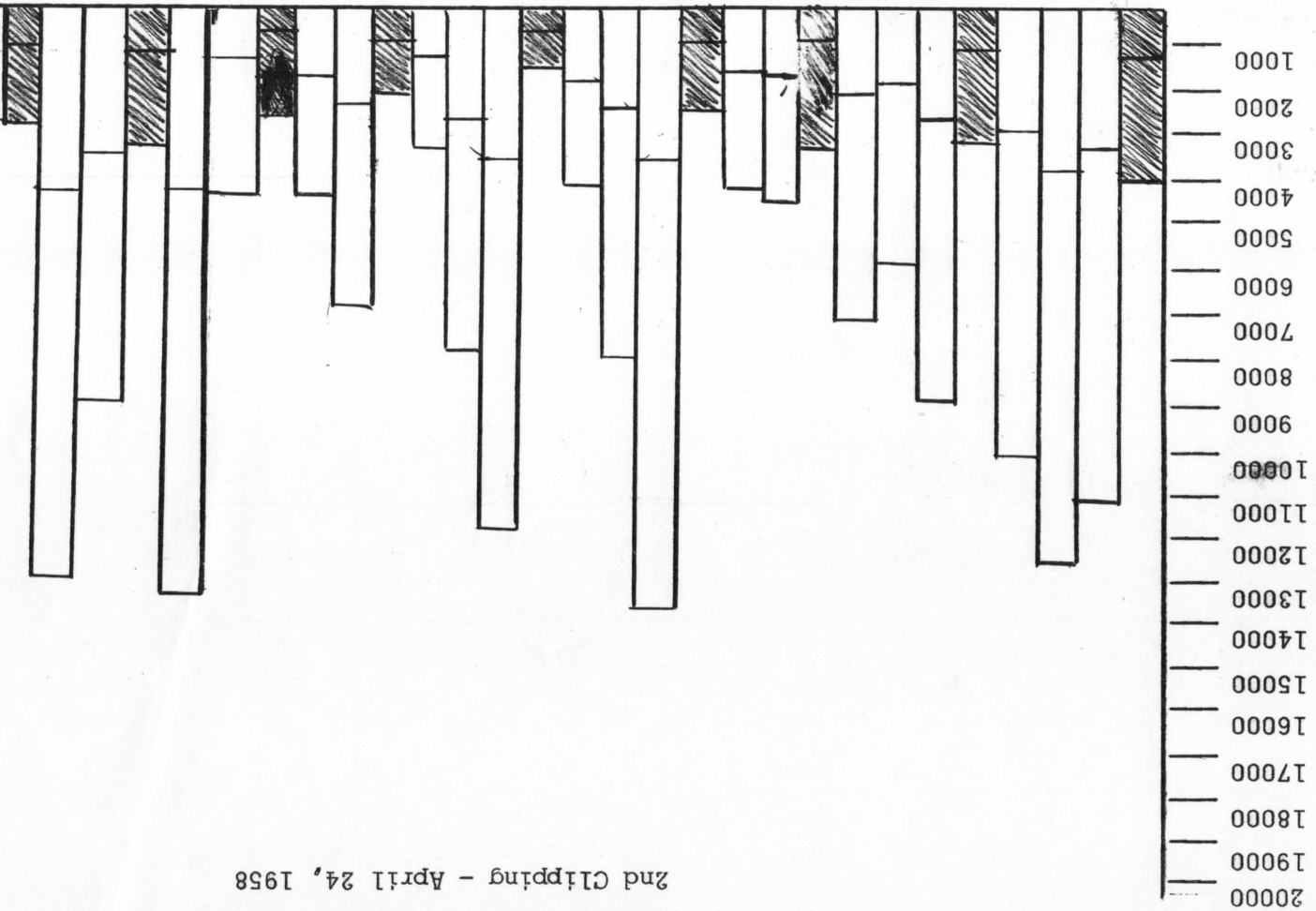
T R E A T M E N T S

CHECK  
N100 P80  
N100 P40  
N100 P0  
CHECK  
N50 P80  
N50 P40  
N50 P0  
CHECK  
NO P80  
NO P40  
NO P0  
CHECK  
N100 P80  
N50 P80  
NO P80  
CHECK  
N100 P40  
N50 P40  
NO P40  
CHECK  
N100 P0  
N50 P0  
CHECK  
20-10-0 @200 #/A  
20-10-0 @400 #/A  
CHECK  
20-20-0 @200 #/A  
20-20-0 @400 #/A  
20-20-0 @600 #/A  
CHECK



TREATMENT

CHECK  
 N100 P80  
 N100 P40  
 N100 PO  
 CHECK  
 N50 P80  
 N50 P40  
 N50 PO  
 CHECK  
 NO P80  
 NO P40  
 CHECK  
 N100 P80  
 N50 P80  
 NO P80  
 CHECK  
 N100 P40  
 N50 P40  
 NO P40  
 CHECK  
 N100 PO  
 N50 PO  
 CHECK  
 20-10-0 @200#/Acre  
 20-10-0 @400#/Acre  
 CHECK  
 20-20-0 @200#/Acre  
 20-20-0 @400#/Acre  
 CHECK



Pounds Green Wt. Per Acre

Brunker Range Fertilizer Trial  
 2nd Clipping - April 24, 1958