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A/B, 2, 33/24

SUBJECT:

ARTISHOKE PROJECT

In reply to [REDACTED]

H-B/3

1. The analysis referred to in the referenced document was performed at the [REDACTED] This laboratory has since moved from [REDACTED] to [REDACTED]

F

2. [REDACTED] the director of the [REDACTED] cooperative with us in our effort to obtain more information concerning the analysis which had been performed in his laboratory a year ago.

H-B/6

3. The analysis was performed by [REDACTED] She is a graduate of the [REDACTED] also has had training at the [REDACTED] which is operated by the [REDACTED] although still in her twenties [REDACTED] expresses on as being very competent.

B/6

B/3

4. [REDACTED] readily recalled the details of the sample and analysis of the previous year. She remembered that the volume was quite small, and stated that all of sample was used to complete that analysis. In our event, if some of the sample had been lost [REDACTED] were agreed that there was no chance that it would be found in the laboratory, since a general housecleaning had taken place on the occasion of the move [REDACTED] and all oil's and ends had been discarded at that time.

B/6

F

5. [REDACTED] was able to describe the appearance of the sample, however. The sample consisted of a water white liquid with a green algae like precipitate which seemed to be of a bacterial nature. The occurrence of this precipitate prompted her to use a centrifuge in order to clear the supernatant liquid before proceeding with the analysis. As previously reported, 1.1 ml. of liquid resulted from this operation.

B/6

6. Litmus paper was used to determine the pH of the [REDACTED] liquid. According to [REDACTED] since the report was slightly acid, the pH was probably in the neighborhood of 6.

B/6

7. The methods used for the toxicological determinations were all based on methods described in Official Methods of the United States Army, Givens, James E. and Grubbs, Elmer J., 5th Edition, Lea and Febiger, Philadelphia, 1944.

Fujisawa test for chloral hydrate and chloroform	p. 324
Barbiturates	327
Salicylates	328
Alkaloids	328-335

8. Similar tests were run on the green precipitate. On microscopic examination, the precipitate did not show a crystalline structure. Ether, chloroform, acid, and emulsion extracts of the precipitate were made and used to test for the substances mentioned previously. After extraction, the precipitate was again examined under the microscope, with the previous result of no crystalline form being exhibited.

9. [REDACTED] was quite positive of the results as obtained in the analytical work of the previous year, and seemed quite willing to make the statement "the sample contained none of the basic organic tested for above, of that I am sure."

10. It is our considered opinion that none of the original sample submitted to the Bureau of Chemistry is available ~~at this laboratory~~. We also feel that little additional information is possible from the work done on this sample a year ago.

A