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Public Works

October 5, 1942

MEMORANDUM TO: Mr. R. B. Conzons, Assistant Regional Director

SUBJECT: A visit to Central Utah Project

The writer spent September 23-26 at the Central Utah Area at Delta, Utah. During this time, field inspections of the area were made, conferences were held with various division heads, and the subject of Public Works discussed with Director Ernst. I also attended a meeting of Mr. Ernst's Cabinet and his planning board. I gave what assistance I could in the way of planning for irrigation and roads construction and also attempted to give project officials an idea of the difficulties and complicated nature of our priority problems. The following is a brief resume of the subjects covered:

Designation of Agricultural Area.

Present farming operations on the project are fairly well scattered over the area with some concentration on the north and east portions. It was explained to the agricultural division that we should select an area for agricultural development in 1943 which would involve a minimum amount of construction and rehabilitation work on the irrigation and drainage systems.

One day was spent in a field trip along with Messrs. Bell and Farrell of the agricultural department, and Nofztager and Watson of the Public Works Division. Considerable benefit was obtained from the project map prepared under Mr. Nofztager's direction on which were shown project areas, 1942 crops, census, irrigation distribution system, and the open drainage system. As a result of this short survey, the concentration of agricultural activities for next year would be in Sections 3 and 10, S $\frac{1}{2}$  of Sections 11 and 12, and Sections 13, 14, 15, 22, 23, 24 of T 16 S Range 8 West.

While as yet no soil or capability survey has been made, results of present farming practices indicate that the best land is in this designated area; also, a large portion of it is underlain with a rather comprehensive system of tile and drainage. The gross area within this designated portion is approximately 5,000 acres, of which perhaps 75 per cent can be farmed without an undue amount of

Reports T



development work. It is Mr. Bell's intention to plant about 1,000 acres to vegetables and the remainder to alfalfa, barley, etc; also, Mr. Bell proposes to farm the remaining agricultural lands which are cultivated at the present time. This will enable us to retain our investment and will also be beneficial from a conservation standpoint in that a cover crop will be provided upon cleared lands.

#### Project Land Acquired.

Mr. H. L. Peterson advised that the Court had upheld the Federal claim to the project lands under Right of Eminent Domain. The land acquired is the same as covered in earlier correspondence and is shown on the attached map.

#### Water Supply.

Our recommendation to the real estate division of the War Department was that purchase be made of 11,750 shares of Deseret Water Company stock and 8,500 shares of Abraham Water Company stock. On the basis of Federal Land Bank estimates, we believe that this amount of stock would yield us an average annual amount of 16,000 acre-feet, based on the 1934-40 period. Mr. Peterson and his attorney, Mr. Melville, are both of the opinion that it may not be possible to purchase this amount of stock as the original options have long since lapsed. It may be that we will find ourselves with a smaller amount of water than originally anticipated, but I believe that considering the difficulties we are experiencing in developing land, that even 10,000 acre-feet of dependable water supply would get us through the next irrigation season.

Mr. Peterson also said that we had acquired about 2,450 shares of Deseret stock and 390 shares of Delta stock in the land condemnation proceedings; this water evidently being appurtenant to the land. The Delta water will serve the extreme northeast corner of our area.

#### Irrigation and Drainage Construction.

Practically the entire area, with the exception of some sections along the west boundary, can now be served with irrigation water; both canal systems, however, are in need of rehabilitation both from the standpoint of excavation and structures. Mr. Hoftager has directed the irrigation engineer, Mr. Watson, to go over the Abraham and Deseret systems within the Relocation Area, and make a preliminary estimate of the necessary repairs and enlargements. It is planned to utilize masonry for structures where possible, and the only timber will be for bridges and gates.



The drainage system is probably our greatest problem. Very little maintenance work has been done on the open drains with the result that they will all have to be deepened if drainage is to be effective. The tile drain system must be gone over thoroughly. Evidently the farmers plugged it during the dry years in order to prevent lowering of the water table. This is almost wholly a labor job and it is hoped that once the tile drain system has been rehabilitated that drainage conditions will be improved.

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#### Gauging and Sampling Program.

This is one project where we should have good control over irrigation water and I should like to see a gauging program instituted which not only would yield information as to the amount of water we are receiving, but also as to amounts of water delivered to various agricultural units within the project. This would not necessarily be of theoretical value only, but would enable the agricultural division to determine the duty of water in the area and govern their development accordingly. We are planning to place automatic recorders in the main canals as they enter the project and some system of staff gauges will be installed to measure water use to farm units.

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I discussed the location of gauging and sampling stations with Mr. Watson and Mr. Nottger. It is our plan to purchase a conductivity determination apparatus which is really a Wheatstone bridge and do our own sampling and testing as far as conductance is concerned.



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#### Conservation.

The area is one of high wind velocities and it is necessary that cover crops be maintained where possible, also any clearing for agricultural development should be so scheduled as to be followed as soon as possible by planting. The dust condition in camp has been very bad, although there was an absence of wind during my visit. Water was available for camp irrigation but Captain Dyer refused permission for camp flooding until such time as the contractor completed his work. We did plan and receive Mr. Ernst's approval to planting and irrigating the area in Section 20 south of the camp proper, which has been designated as a reclamation area. This will be followed by irrigation of the camp itself when construction activities have been completed.

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Personnel.

The Public Works personnel is now fairly well complete. Mr. Hutchinson, the Construction Superintendent, arrived about September 22; Mr. Green, had been employed as Chief Construction foreman. In the Irrigation Division, Mr. Henry Watson is Irrigation Engineer. At the present time we are not filling the position of Associate Highway Engineer. Employment of a Mr. Texvort has been recommended for Chief Construction Foreman and Mr. Nofztager believes he can secure a Senior Construction Foreman from local sources. The position of Associate Design Engineer is still unfilled although the Regional Office has advised that a Mr. Fonisbeck of Logan, Utah, has been offered this position.

General Notes.

At the time of my visit, camp construction was about seventy per cent complete. One ward of the hospital building was completed and scheduled for occupation on September 28. The Administration Buildings are completed and some of the dormitories are being prepared for occupancy for the Caucasian staff. This will not take care of the total white personnel and Director Ernst is holding evacuee block No. 2 for use of Caucasian staff members.

The warehouse area is complete and water and sewer lines have been connected, skirting of barracks is under way, and stoves for barrack heating had started to arrive.

W. Alan Laflin  
Regional Irrigation Engineer

W.A.Laflin: TB 10-3-42



WAR RELOCATION AUTHORITY  
Central Utah Project

*Paper to Council*

October 6, 1942

MEMORANDUM TO: Council of Block Managers

SUBJECT: Topaz Fence

It has been very difficult to secure labor to construct a four-wire fence around the border of Section 20, Topaz City, and it would be appreciated if the managers of all the Blocks would encourage labor to turn out for the construction of this fence.

When constructed, this fence will permit the removal of armed guards from within the limits of Topaz City and allow the citizens free access to all area except that occupied by Army Engineers and the Contractor.

Mr. Ernst, the Project Director, is very anxious to have this fence erected as soon as possible. Unless we can encourage more men to report on duty for construction of said fence, we will be weeks installing it.

Any cooperation from your Council on this matter will be greatly appreciated.

*Lee J. Noftzger*

Lee J. Noftzger  
Chief, Public Works Division



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Mr. E. J. Utz  
Chief, Agriculture and  
Engineering Division  
War Relocation Authority  
Washington, D. C.

MAR 2 1943

Dear Mr. Utz:

Following is a report of my recent visit to the Central Utah Project:

I arrived by train from Salt Lake at 2:10 p.m. Friday, February 12, and was taken directly to the Center. The remainder of the afternoon was spent in preliminary conferences and discussions. Friday night I met informally with the Public Works staff. Saturday morning Roscoe Bell, Henry Watson and I made a field inspection of the proposed agricultural and irrigation developments. That afternoon I attended the project cabinet meeting at the invitation of Director Ernst. Sunday was spent in the field going over irrigation problems with Mr. Hutchinson. Monday was devoted to general discussions with Bell, Watson and Assistant Director Hughes. Tuesday morning was spent in summarizing the various items covered. I left Delta by train at 4:00 p. m. on Tuesday, February 16, for Minidoka. The main items covered are summarized below:

#### 1. Personnel

The Public Works staff is now fairly well completed. The Project had proceeded with the transfer of Mr. Hutchinson from Construction Superintendent to Irrigation Engineer and this was to be effective February 16. You will recall that this proposed change originated in our office and I believe that it will work out to very good advantage. Mr. Taylor will assume the duties of Construction Superintendent and his position as Assistant Construction Superintendent will be filled from the present staff. The Project Engineer wishes to set up a position of Stationary Engineer whose duties will be to supervise the operation and maintenance of the hospital boiler plant, sprinkler system, laundry, etc. The boiler facilities for this Project consist of two boilers obtained from an old mine. These have been augmented by various spare parts so that the whole system requires considerable in the way of maintenance. The Project wishes to employ a Mr. Featherstone who supervised the installation of the plant for the Army Engineers. From what I could learn while on the Project, it would be advisable to set up this position in view of the difficulties that would follow any failure in the plant. This is a conclusion reached by Lt. Sauser, the War



Department representative in charge of completing the camp. The Project was also asking for a Building Engineer position which was really a duplication of the Stationary Engineer position and was to handle the work during the night shifts. In view of the fact that the winter is fairly well over, I would not favor approval of this second position as I believe that they can get by for the next month or so with the present staff. We had never filled the position of Highway Engineer, P-3, \$3200, as we did not believe that the amount of road work justified having a man in this place. Mr. Watson, however, is making a recommendation that Mr. Tervort be reallocated from Construction Foreman to Highway Engineer. I believe that Mr. Watson has enough Engineers and foremen on his staff at the present time and I am not in favor of this reallocation.

Roscoe Bell is planning to augment his staff which is very small at the present time. He has in mind setting up three sections; agronomy, now headed by Mr. Farrell, livestock and equipment. He is now on the lookout for men to head the last two named sections.

## 2. Land Status

The Washington office had received some correspondence from the Project concerning extension of boundaries and specifically mentioning an 80-acre and 40-acre piece along the west boundary. The reason for proposing the purchase of these parcels was that these pieces were irrigable and it might be necessary to transport water through the Project to serve them. This is definitely a responsibility of the Canal Company and I would see no reason why we should attempt to procure additional land, especially at this time. This was thoroughly discussed with Mr. Watson and Assistant Director Hughes and they were to write the Washington office withdrawing their request for acquisition. The same procedure will be followed in regard to Section 17 which is directly north of the camp site.

## 3. Water

As far as I could determine the 20,000 shares of water stock were still in process of acquisition although final action was expected almost daily. The Project had requested that we also acquire 80 shares of Delta stock which were available, for use in the northeast corner of the Project. In view of the suggestions from the Project that we rent or otherwise dispose of water stock, it does not seem logical to buy this block of stock. The reason given for acquiring it was that we do not have sufficient stock in the Delta company to adequately serve the lands under that system. I believe, however, that it would be possible to transport either Delta or Abraham water into the northeast area by an extension of the Wilson lateral.

Forecasts of yield on the water stock for 1943 indicate that approximately 1.5 acre feet per share will be forthcoming. That would give the Project about 30,000 acre feet of water which is far in excess of our



current needs. Assuming that Roscoe Bell will irrigate 5,000 acres which will include the present alfalfa land, our total demand would not be much in excess of 20,000 acre feet using a liberal water duty. This would mean that we would have around 5,000 shares of stock which might be termed surplus for this season, and it would seem advisable to lease or rent this stock if satisfactory arrangements can be made. It must be realized, however, that in a wet year of this sort, water stock will not be greatly sought after and any income that we get will probably be very small. Operation and maintenance charges will be around fifty cents per share which the Project will be called upon to meet whether or not they use all of this water. My suggestion is that the Project attempt to lease this stock for payment of the Operation and Maintenance charges plus any additional amount that they are able to get. I discussed that with the Project Attorney who was to write the Solicitor regarding details and procedure.

#### 4. Irrigation Districts

The Abraham Irrigation Company held their annual meeting on February 2 which was attended by Mr. Watson and Mr. Hutchinson, representing the Project. Inasmuch as the water stock had not been formerly acquired by the Project, the Board of Directors issued one share of stock in the company to the Project and on the strength of this Mr. Hutchinson was elected a director. This company is selling 2500 shares of Treasury stock to the Project at a price of \$20 per share. With the proceeds of this sale, \$50,000, the company is retiring their total refunding bonds in the extent of \$43,500 and plans to utilize the balance to rebuild their diversion from Gunnison Bend reservoir. I met with the Board of Directors on the ground to discuss this reconstruction job. The amount of work to be done is such that it will be impossible to complete it in time for the coming irrigation season and the conclusion reached was that no work be done until the close of the 1943 irrigation season. In the interim the Project will prepare a plan and estimate of the proposed improvement which is tentatively scheduled for the fall of the year.

In talking with Mr. Peterson, the Secretary of the District, we were advised that the district considers the Project a single user and will measure the water to us at the Project line. All operation and maintenance on canals within the Project will be WRA responsibility. This seems to be a logical conclusion and does not seem to present any difficulties. In the past, the district has done very little maintenance work on the canals or structures and the fifty cents per acre operation and maintenance charge covers water master salaries, expenses of the Board of Directors, and some repair work on the main canals. As a consequence, the Project may go ahead with their rehabilitation system within the Project area and there will be no details to be worked out regarding responsibilities.

#### 5. Equipment

There is no doubt but that the amount of equipment on hand at Central Utah is well below the minimum requirements. They have practically no large tractor equipment of any kind and the Agriculture Division



is doing part of its plowing by contract. Roscoe Bell was working out a revised equipment list but did not have it completed so was to send this in to Washington direct.

As to the Public Works Division, they have need for the following:

- 1 D-8 Tractor with 8 ft. bulldozer
- 2 Martin Ditchers - 2 ft. bottom
- 1 Leaning Wheel Grader - 8 ft.
- 1 35 Concrete Mixer
- 10 1½ ton Dump Trucks
- 4 Pick-ups

In addition, the engineering crews need 2 transits and 2 levels. The dragline for which approval had been requested was purchased and should be on the job in about two weeks.

#### 6. Road Construction

The State Highway Commission has done considerable work on the 15 miles of road between the railhead and the Center. A contract for 11 miles of construction which would include surface grading, graveling and blacktopping had been let and work was to have started by March 1. Completion time is on a basis of 125 working days. When this is finished an excellent hard surface road will be available for trucking to and from the Project.

#### 7. Sewage Disposal

The septic tanks from the Project empty onto the flats just west of the Center itself. Mr. Ernst and the staff are very much concerned over the problem of offensive odors which are very noticeable on the west winds. The Engineering Division had run a line of levels which indicated that the effluent from the septic tanks could be carried out several miles to the south and west through a drag line cut approximately 5,000 feet in length. The amount of yardage involved is not great and I believe that carrying this effluent several miles further would aid the situation. As soon as the dragline is available, work will be started on this project.

#### 8. Camp Construction

Work has been started on the administrative housing and two of the 13 buildings were in the course of construction. Foundations for the high school and dormitory were to be started on February 22. The ice house was practically completed during my visit.

The War Department contract was approximately 98 per cent complete and the unfinished work consisted of installing equipment in the hospital and completing the water supply. It was planned to finish this work by



February 20 at which time the War Department and contractor were moving out.

## 9. Summary

As far as agriculture and engineering is concerned, the work seems to be progressing favorably and not too far behind schedule. Several hundred acres have been plowed and planting was to start in the very near future. The livestock program is well under way and this seems to have a very definite appeal to the evacuees. Roscoe Bell reports that he has no difficulty in obtaining evacuee labor for work on the hog and beef cattle projects and the labor is drawn mostly from the older men in the camp who will probably not go out on outside employment. Watson was having difficulty in getting men for his irrigation construction and this situation was very thoroughly discussed with Watson, Bell and Assistant Director Hughes. The outcome was that Mr. Hughes agreed to give the irrigation work a priority and will make every effort to give Watson the requisite number of men for the program. As a first step, the landscaping crew numbering perhaps 50 men, was being transferred to irrigation.

The general attitude of Messrs. Bell and Watson is that they will be able to satisfactorily follow their program for the coming year and that they will be able to find enough evacuee labor for their endeavors.

I talked at some length to Mr. Ernst who seems well satisfied with the progress being made by both Mr. Bell and Mr. Watson and did not have any special points to discuss other than his anxiety over the delays in obtaining WFB approval.

I am attaching a considerable amount of material relative to the water situation at Central Utah which I would like to have placed in the irrigation file.

Yours very truly,

W. Alan Laflin  
Principal Engineer

Enclosure No. 10904  
W. Alan Laflin:PE:GMC

cc Mr. Cozzens



Econ.Mgt.

October 10, 1942

TOPAZ

MEMORANDUM TO: Dr. Webster and Mr. Zimmer

SUBJECT: Report on Central Utah Project

Attached is a copy of Mr. Laflin's report on his last visit to Central Utah, together with a copy of my letter to Mr. Laflin commenting on the report. This is for your information and many of the points in the report should be of interest to Mr. Zimmer in planning for the future.

R. B. Cozzens  
Assistant Regional Director

Attachment

RBCozzens:PMH 10-10-42 ✓

central Utah



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## WAR RELOCATION AUTHORITY

In reply, please refer to:

SAN FRANCISCO, CALIFORNIA, OFFICE  
WHITCOMB HOTEL BUILDING

Public Works

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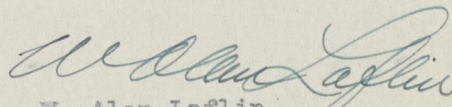
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The Public Works personnel is now fairly well complete. Mr. Hutchinson, the Construction Superintendent, arrived about September 22; Mr. Green, had been employed as Chief Construction foreman. In the Irrigation Division, Mr. Henry Watson is Irrigation Engineer. At the present time we are not filling the position of Associate Highway Engineer. Employment of a Mr. Terwort has been recommended for Chief Construction Foreman and Mr. Noftzger believes he can secure a Senior Construction Foreman from local sources. The position of Associate Design Engineer is still unfilled although the Regional Office has advised that a Mr. Fonisbeck of Logan, Utah, has been offered this position.

General Notes.

At the time of my visit, camp construction was about seventy per cent complete. One ward of the hospital building was completed and scheduled for occupation on September 28. The Administration Buildings are completed and some of the dormitories are being prepared for occupancy for the Caucasian staff. This will not take care of the total white personnel and Director Ernst is holding evacuee block No. 2 for use of Caucasian staff members.

The warehouse area is complete and water and sewer lines have been connected, skirting of barracks is under way, and stoves for barrack heating had started to arrive.

  
W. Alan Laflin  
Regional Irrigation Engineer



Minutes of Meeting with U.S. Army Engineers.  
W.R.A. Officials and Representative of Daley  
Brothers Contractors

February 9, 1943 - 12:00 o'clock

Those Present: Captain H. F. Dyer, U.S. Engineers; Lt. C. J. Sauser, U. S. Army Engineers; J. F. Hughes, W.R.A. Ass't Project Director; R. L. Rigby, Representative of Daley Brothers Contractors; Henry R. Watson, W.R.A.; Lawrence B. Taylor W. R.A.; and Wayne Sutton, W.R.A.

The meeting convened at 12:00 o'clock in the office of the Ass't Project Director with Captain H. F. Dyer conducting.

Mr. Hughes stated that the purpose of the meeting was to come to a final agreement on the construction details in the interest of the contractor, the W.R.A., and the U.S. Army Engineers:

The following points were discussed:

1. Removable screens in all children's wards: W.R.A. has eight screens in its possession and will install them in children's ward and isolation ward as they see fit.
2. Enamel on all building walls: Plans and specifications do not coincide and specifications govern. Present construction meets with specifications.
3. Drain board in Surgery Sterilizing Room: Daley Brothers will furnish this.
4. Tray racks in all ward kitchens: Daley Brothers will provide suitable racks not to exceed top and two shelves. Plans to be discussed with Dr. Boardman.
5. Screened doors on covered walk doors: Daley Brothers will hang screened doors on Hospital Administration Building. U.S. Army Engineers will furnish springs, hinges, and handles for 233 screened doors now in the possession of the W.R.A.
6. Steam dish sterilizer at all mess hall sinks: Captain Dyer explained that on Oct. 19 a construction letter came out saying that all new construction be given rinse sprayers to be furnished by O.C.E. and installed by contractor. These were left out of all construction jobs in this district. Requests for steam dish sterilizers should come from W.R.A. to the Chief of the Army Engineers and back through the regular channels. The Hospital does have steam in every sink and by building a lid they can steam their own dishes.
7. Steam table between steam cauldrons and sink: Cereal cookers were to be procured and sent from the Quartermaster General. U. S. Army Engineers will request that two cereal cookers be sent to Project.
8. Repair kitchen stove: W.R.A. will take care of it. Electricians working now on switch.



9. Access doors on all buildings: Daley Brothers will take care of access doors.
10. 30 gallon electric water heater in Morgue: Daley Brothers will buy that and install it.
11. Window guards in Pharmacy: Daley Brothers will install window guards with rotary cylinder lock in Pharmacy and also store room of the Hospital kitchen.
12. Still in the Out-patients building: Stills are to be furnished by the Medical Supply and installed by the U. S. Engineers.
13. Slide windows in warehouse: Windows will be cut and fit into the frames and one window in opposite ends of the warehouse is to be hinged and freeze boards to be cocked. Work to be done by Daley Brothers.
14. Windows in the Nursery: Two windows as shown on the plans will be installed in the nursery by Daley Brothers.
15. Procurement of Hoppers: Substitution of hoppers necessary at time of installation. Hospital can get along with present equipment. If larger hoppers are desired, request through U. S. Army Engineers.
16. One ceiling ventilator in the out-patient building, dental laboratory, will be installed by Daley Brothers.
17. Morgue Building will be finished by Daley Brothers.
18. Instruments in the boiler room to be installed by Daley Brothers.
19. Repainting of pipes and radiators in doctors and nurses quarters to be done by Daley Brothers.
20. Electrical outlet missing in Dr. Murada's room. Must be installed.
21. Army Engineers will check on closets for doctors' and nurses' quarters and four administration dormitories.
22. Scullery sink in the north side of the kitchen in the Hospital does not have steam coil. This will be taken care of by Daley Brothers.
23. Drainage receptacle for refrigeration unit to be taken care of by W.R.A.
24. Condition of wells was discussed. W.R.A. would like to exchange north pump. Turbidity too high for it to work satisfactorily. Bowl of Well No. 1 was questioned. Captain Dyer explained that gauges were not available.



25. Military Police have requested steps for phone poles, particularly flood light posts. Captain Dyer stated they were purposely eliminated for reasons of protection. He will get definite decision from Engineering Department as to whether or not steps can be provided for transformer poles and flood light poles.
26. Daley Brothers were to pay for broken transformer and bill W.R.A. It was reported that the W.R.A. has been billed but the transformer has not been received.
27. John Daley will personally contact W.R.A. on dishes, blankets and beds.
28. Damage of refrigeration unit discussed. Mr. Watson stated that Mr. Wilt, the company representative, thinks the repair work can be done here on the Project.
29. Mr. Watson stated that three drains were plugged with cement but they have been cleaned out.
30. Sewage disposal system discussed at some length. No definite decision reached. Captain Dyer stated that in the future they may have a surplus gas pump that could be turned over to W.R.A. if they requested it.



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TO: BLOCK MANAGERS HEADQUARTERS

17.3 10

March , 1943

BOILER MEMORANDUM

A meeting was held on March 26 with the majority of boilermen present, and also Mr. Law of Maint. & Op. The hot water situation was discussed and all of the boilermen agreed that the following RULES be observed by the residents, and through you, the Block Managers, ask for full cooperation, for the benefit of all concerned:

1. No laundry after 6:00 p.m.
2. To avoid children from playing in the shower-room and wasting water.
3. To close the valve tightly after use.
4. If possible, use a pan to wash dishes.
5. If possible, to avoid washing until after 8:30 a.m.--then there will be ample hot water.
6. No responsibility of the boilermen for lack of hot water after 11:00 p.m.

NOTE:

And also, we would like to point out that the new tanks have made the water pressure strong, and often causes to cool the boiler. We have requested Mr. Law, if possible, to cut down the pressure.

-STATEMENT-

RESOLVED: We, the boilermen, appreciate your cooperation and will do our utmost best for the benefit of the residents.

Signed \_\_\_\_\_

Edwin Iwasaki  
Boiler Foreman

This copy is for your information Mr. Watson



17,310

PUBLIC WORKS DIVISION  
Maintenance & Operations

May 7, 1943

MEMORANDUM TO: Block Managers

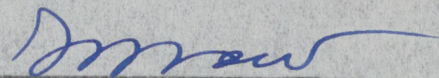
FROM: W. LeGrande Law-Sup't of Bldgs. & Grds.

SUBJECT: Minutes of the Block Managers' Meeting  
Of May 5

With reference to the minutes of the block managers' meeting of May 5, and pursuant to the telephone conversation, the following explanation is submitted and it is requested that you incorporate this information into the minutes so that a misunderstanding will not be obtained by anyone reviewing them:

As to the matter of obtaining benches: "Mr. Law recommended that the block managers put in a requisition to the M & O." It was not intended to convey any idea that the M & O be contacted directly but through the proper channels. Such requisitions, naturally, would first go to Mr. Hughes and thence to the Senior Engineer, Mr. Watson, for consideration; then we may be in a position to carry out the approved plan. At the time the removal of the benches was brought to Mr. Watson's attention, he raised the question, if we had enough scrap lumber on hand to construct benches for the blocks, and he was informed that we had sufficient of certain kinds which would be short-length 2" material; however, a check would be necessary to determine if 1" material would be available to complete the job.

In reference to the next paragraph wherein it is stated that we would not pick up ashes if the pit is not located where it should be, this information was received from the groundsmen when they were requested to pick up ashes at Block #30.



W. L. Law



Minutes of the Block Managers' Meeting of May 5, 1943, pertaining to Maintenance & Operations.

At the suggestion of Mr. Hughes, Mr. Law of the M & O was present to clarify certain matters with the block managers.

1. Mr. Law was informed that Blocks 40, 19, and 34 have taken out the benches in the laundry rooms and have constructed benches for residents to sit on outdoors. This matter was presented to Mr. Watson and Mr. Hughes at the operation staff meeting Monday, and it was their suggestion that this subject be brought to the attention of the block managers and get their cooperation in having this practice suspended. If benches are desired outside, Mr. Law stated that M & O has received scrap lumber and that uniform benches could be constructed. To Mr. Abiko's statement that residents feel that benches in the laundry rooms are unnecessary, Mr. Law suggested presenting this to Mr. Hughes in the proper manner. As to the matter of obtaining benches, Mr. Law recommended that the block managers put in a requisition to the M & O *scrap* that residents desire benches and that *lumber is* available in the center. Then his department *will would* cooperate in building and delivering these benches to the blocks, *providing the proper approval is received*

2. M & O received a request from block manager of 30 to pick up ashes in that block and the groundsman was instructed to pick up the ashes. However, it was reported that the pit is not in the uniform spot, and Mr. Law stated that they will not pick up ashes if the pit is not located where it should be. Mr. Narahara, block manager of 30 stated that the pit was staked out by the fire inspector.

3. Mr. Law read the following report from Mr. Toshio Minemoto, foreman of the Sanitation Crew: "He has found that all blocks are careless in keeping dry garbage separated from the wet. There have been too many tin cans of various sizes in the dry garbage. All tin cans should be brought to the mess hall garbage cans and picked up by the garbage crew. Bottles also should be kept apart from the wet and dry garbage."



Mr. Law stated that M & O is having difficulties keeping the boys on the sanitation crew. He added that a pit has just been excavated to burn the dry garbage, but if old cans or wet garbage are mixed in with the dry, they will not burn and become a sanitary hazard to the camp. The eatable garbage is sent to the hog ranch, but they should be free of coffee grounds. The non-eatable garbage is taken away to a pit four or five miles away.

Mr. Law stated that a new crew is to be formed operated by the Maintenance Dept. which will salvage tin cans, grease, etc. that would be of many benefits to this city or to the United States.

As the sanitation crew will not separate garbage because they do not have the time, Mr. Law appealed to the block managers to convey this request to the residents. Mr. Narahara suggested that signs be put up or garbage cans be painted to designate the wet and dry garbage and one for tin cans. Mr. Law agreed to work along this line and requested block managers to inform the residents.

4. Mr. Law brought up the matter of a fish pond under construction at Block 4, and brought up the disadvantages of a pond. Mr. Law was informed that a letter has been received from Mr. Hughes on this subject.

X 5. Mr. Henry Tanaka stated that he put in a requisition to have a window pane installed on 28-10-D on April 26 but to date he has not received the replacement. Mr. Law promised to find out about this request. Mr. Tanaka also contacted Mr. Shiro Higuchi regarding this matter.

Another matter brought up by Mr. Law was the matter of replacing door locks with door catches as the locks are difficult to obtain. In closing Mr. Law requested block managers to put in a report of the block, and he will see that the needs are attended to.



PUBLIC WORKS DIVISION  
Maintenance & Operations

C  
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Letter sent to Mr.  
Tanaka of Block 28  
in reference to his  
statement made at the  
block manager's meeting  
May 5, 1943. (#5)

May 5, 1943

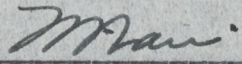
MEMORANDUM TO: Mr. Henry Tanaka  
Block Mgr. #28

FROM: W. L. Law-Sup't of  
Buildings & Grounds

SUBJECT: Window Glass

In reference to your statement that a request had been made by you on April 26 for window repair at 28-10-D, this is to inform you that a job order has been prepared for this work, and George Sawamura, glazier, has made two trips to this point with the intention of repairing the glass. The door has been locked both times, and no one responded to his call. I am informed, too, that this particular window has been changed, whereas the outside or putty side has been turned inside so that it is inside of the room. With the door locked, it was quite impossible for him to make these repairs.

We hope that the proper connection can be made in order to effect these repairs without further discomfort to the occupant.

  
W. L. Law



Operations  
Division

*File*

July 2, 1943

TO: Mr. Roscoe Bell  
Assistant Project Director

FROM: Henry R. Watson  
Senior Engineer

SUBJECT: Conference of Key Resident Personnel  
in the Operation Section.

There has been occasions when various resident personnel of the Operations Section have not fully understood each others problems and have criticized one or the other for things which they can do and feel it is necessary for their program. In order to alleviate this misunderstanding of residents in the various units under the Operation Division, I suggest that a meeting be called once a month where key resident personnel could discuss their various problems, and each become familiar with his problems of operation of the camp. It is further believed that such a meeting will bring about closer cooperation and understanding among the key resident personnel and more efficient operation of the project will result.

If this meets with your approval, I should like to have you issue a directive to this respect that a meeting be called sometimes after the 15th of the month to initiate this procedure.

The appointive personnel of the various units of the Operating Section are acquainted with their various problems, however in some instances misunderstanding among residence have occurred.

I am sure you will appreciate the advantages which can result from such a meeting and the appointive personnel who desire could also attend.

Henry R. Watson  
Senior Engineer

HRW/am  
cc Mr. J. F. Hughes  
Mr. Rogers  
Mr. L. B. Taylor



October 22, 1943

TO: Community Council

ATTENTION: Labor Committee

SUBJECT: Employment Quota of Engineering Section

Pursuant to the request of the Labor Committee for recommended employment quotas for the various sections of the project, the Engineering Section is submitting the attached list as its desired quota of employees. (Exhibit A).

In preparing this report, every effort has been made to establish a minimum and reasonable quota consistent with our requirements. The final figures, as given, represent a number of reductions in the various units.

In presenting this report, we are highly cognizant of the fact that the availability of labor has been our greatest difficulty. Your attention is called to the fact that allowance has been made for some 257 employees in the Construction Unit. This figure represents the number of men required to carry out our construction program with a reasonable degree of progress. For your information, we are listing some of the construction jobs which may be of interest to you at this time. (Exhibit B). Most of these jobs have been approved by the War Production Board and materials are already in stock. In addition, there are a number of jobs for which approval is expected shortly. The total of these jobs will necessitate, conservatively estimated, the labor requirements as requested.

In the past, it has been the policy of the Washington WRA and the War Production Board to approve construction in the project which is considered essential and necessary to the operation of the Project. In releasing this authority for construction, the WPB specifies certain restrictions in the performance of the particular job. One of these is the limitation of time by which the job must be completed. Due largely to the labor situation, this project has found it necessary to ask for extensions of time over and over again. This consistent practice has lately led to the question, on the part of the <sup>W.P.B.</sup> authorities, of the ability of the Project to handle these construction jobs as originally requested by the Project. This in turn, we firmly believe, will lead to some hesitancy on the part of the authorities for approving essential jobs which we may request in the future. Already <sup>W.P.B.</sup> authorities have suggested that we curtail and maintain construction operations to the extent that they are consistent with the labor situation of the project. It must be emphasized that the progress of all construction work in the project is entirely dependent upon the availability of workers. There are absolutely no other factors involved which will present delays in the progress of construction. Priorities from the WPB have been secured, plans have been completed, and the necessary materials have already been received.



It is common knowledge that in the operation of the Project, emphasis must be placed upon such necessary and essential operations as the hospital, commissary, etc. Referring to Exhibit B, it is evident that this work ties in closely with these necessary and essential operations, and we believe no further justification is necessary in impressing upon you the necessity and benefits of the program.

Hence, in presenting this quota of the Engineering Section, it must be kept in mind that the construction program and its subsequent benefits are entirely dependent upon one factor, the availability of labor.

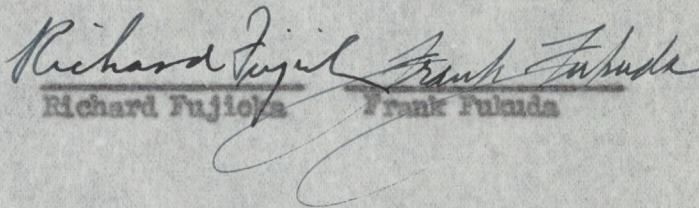
In the past, the availability of labor for construction work has been affected only by the inability of the section to secure workers as desired. The maximum quota was never approached. Now, with the present curtailment recommendations from Washington, another problem is presented to this section. It is therefore the request of the Engineering Section that the Labor Committee in analyzing our quota consider the situation with its two inherent problems, viz:

1. Establishment of a quota approximating our request. (Exhibit A.)
2. Actuate the residents to fill the approved quota in order to expedite the construction program. (Exhibit B.)

We hope that this submittal will be of benefit to you in your presentation of the general labor situation of the Project; and in as much as the general welfare of every individual in the project is directly involved, we trust that every consideration will be given, now as well as later, to the requirements and problems of this Section.

Yours truly,

Engineering Section

  
Richard Fujieka      Frank Fukuda



**EXHIBIT A**  
**ENGINEERING SECTION**  
**EMPLOYMENT QUOTA**

|  |              | <u>Total</u> |
|--|--------------|--------------|
| 1. Office  | 7            | 7            |
| 2. Design & Drafting Unit  | 3            | 3            |
| 3. Irrigation, Drainage, & Road Unit<br>(including Survey Crew)                        | 33           | 33           |
| 4. Construction & Maintenance Unit   |              |              |
| A. Construction  |              |              |
| 1. Carpenters<br>(general construction)  | 210          |              |
| 2. Construction Workers<br>(specialized skills)  | 17           |              |
| 3. Electricians  | 10           |              |
| 4. Painters  | 4            |              |
| 5. Plumbers  | 16           | 257          |
| B. Maintenance   |              |              |
| 1. Janitors  | 96           |              |
| 2. Black Boilermen   | 44           |              |
| 3. Night Black Boilermen<br>Winter months<br>(irrigation work during summer<br>months) | 22           |              |
| 4. Hospital<br>Boilermen   | 14           |              |
| Laundry workers  | 20           |              |
| Electrician  | 1            |              |
| 5. Maintenance Carpenters  | 20           |              |
| 6. Cabinet & Furniture Repairmen   | 11           |              |
| 7. Painters  | 3            |              |
| 8. Plumbers  | 6            |              |
| 9. Gardeners   | 22           |              |
| 10. Electricians   | 6            |              |
| 11. Refrigeration Mechanics  | 3            |              |
| 12. Communication Technician   | 1            |              |
| 13. Light-equipment Repairmen  | 2            |              |
| 14. Stove & Cooler Maintenance Men   | 2            |              |
| 15. Chimney Cleaners   | 3            |              |
| 16. Greaseball Men   | 3            |              |
| 17. General Laborers   | 20           |              |
| 18. Kindling wood Men  | 6            |              |
| 19. Ashcan Salvage Workers   | 11           |              |
| 20. General Salvage-men  | 5            | 321          |
|  | <b>Total</b> | <b>626</b>   |

Date: October 22, 1943



22. Sun Porch at Hospital for Isolation Ward.

23. -----etc.

\* Not listed in accordance with importance of job.



CENTRAL UTAH PROJECT  
Topaz, Utah

Operations Division  
Engineering Section

November 17, 1943

MEMORANDUM TO: Mr. Clyde Tervort  
Supt. Irrig. Drainage & Roads

SUBJECT: Staff Housing landscaping and traffic control.

About a month ago, the Planning Board decided that as soon as gravel could be provided for walks and parking area be provided north of administration area, the Oil Street, Cactus Road running through the center of the administrative buildings should be closed off by posts or rocks being placed across the street so that in the event of fire these posts or enough of these posts could be removed or pushed over to provide access by the Fire Department. It was also planned that landscaping work should be carried on in this area by the landscaping crew and as soon as the gravelling is complete we should like to have dirt filled around the staff housing and the landscape work proceed as scheduled. We should also like to have signs placed between the buildings on the north end and south end prohibiting cars from entering these areas.

It appears to me that this work falls under your jurisdiction and particularly should be handled by the landscape crew. We would appreciate their concentrating efforts on this work as soon as possible.

Concerning the *closing* of the road, it is suggested that we contact the Fire Department and get their recommendations so that the fire hazard and danger of small children will be eliminated by keeping the cars out of staff housing area.

Original Signed By  
HENRY R. WATSON

Henry R. Watson  
Senior Engineer

cc: Mr. Roscoe Bell  
Mr. Samuel Owen  
Mr. Doren Boyce ✓

HRW:am







WAR RELOCATION AUTHORITY  
Central Utah Project  
Topaz, Utah

November 22, 1944

FARM SURVEY ROUND TRIP

|  |     |       |
|--|-----|-------|
| Agriculture Office to NW Corner (Gate 11)          | .4  | miles |
| Gate 11 to Main Gate                               | .3  |       |
| Main Gate to Entrance to Polutry Farm from highway | 3.1 |       |
| Highway to Field Machine Shop                      | .2  |       |
| Machine shop to Hog crossroad                      | .8  |       |
| Crossroad to Hog Ranch-house                       | .6  |       |
| Hog Ranch house-return to crossroad                | .6  |       |
| Crossroad going North Section 11 (crossroad)       | .6  |       |
| Crossroad return North Section to Cattle Ranch     | 1.6 |       |
| Cattle Ranch to crossroad                          | .6  |       |
| Cattle Ranch return to crossroad                   | 1.  |       |
| Crossroad going South to Section 11                | 1.  |       |
| South Section to Mess house (East)                 | .6  |       |
| Cattle Ranch to Mess                               | 1.4 |       |
| Mess to East boundary                              | 1.  |       |
| Mess to highway                                    | 1.5 |       |
| Highway to South boundary                          | 1.  |       |
| Highway to Main Gate or Adminstration Bldg.        | 3.6 |       |
| Main Gate to Gate 11                               | .3  |       |
| Gate 11 to Pool                                    | .3  |       |
| Agriculture Office to Field Machine Shop           | 4.  |       |
| Agriculture Office to Hog Ranch                    | 5.4 |       |
| Agriculture Office to Cattle Ranch                 | 6.4 |       |
| Main Gate to Field Mess House                      | 5.1 |       |
| Main Gate to Farm                                  | 5.1 |       |

TRIP COVERING MESS

|                              |    |
|------------------------------|----|
| Pool to Warehouse            | .3 |
| Warehouse to 1 - 8 Mess      | .4 |
| 1st. trip East               |    |
| 1 - 8 Mess to 7 - 14 Mess    | .6 |
| 2nd trip West                |    |
| 7 - 14 Mess to 28 Mess       | .3 |
| 28 Mess to 15 - 22 Mess      | .6 |
| 15 - 22 Mess to 29 - 36 Mess | .3 |
| 29 - 36 Mess to 35 - 42 Mess | .6 |
| 35 - 42 Mess to Warehouse    | .5 |





|                              |     |
|------------------------------|-----|
| 32 - 45 mess to telephone    | 0.2 |
| 50 - 30 mess to 32 - 45 mess | 0.3 |
| 12 - 55 mess to 30 - 30 mess | 0.3 |
| 58 mess to 12 - 55 mess      | 0.3 |
| Δ - 14 mess to 58 mess       | 0.3 |
| sup. 14th mess               |     |
| 1 - 8 mess to Δ - 14 mess    | 0.6 |
| 1st 4th mess                 |     |
| telephone to 1 - 8 mess      | 0.4 |
| Foot to telephone            | 0.3 |

#### UNIT COORDINATING MESS

|   |     |
|---|-----|
| main gate to hall                             | 2.1 |
| main gate to 1st mess house                   | 2.1 |
| telephone office to cattle ranch              | 0.4 |
| telephone office to hog ranch                 | 2.4 |
| telephone office to 1st mess machine shop     | 4.4 |
| gate II to foot                               | 0.3 |
| main gate to gate II                          | 0.3 |
| 1st mess to main gate of administration Bldg. | 3.0 |
| 1st mess to 1st mess building                 | 1.1 |
| mess to 1st mess                              | 1.2 |
| mess to 1st mess building                     | 1.1 |
| cattle ranch to mess                          | 1.7 |
| 1st mess section to mess house (mess)         | 0.6 |
| closedown 1st mess section to section II      | 1.1 |
| cattle ranch 1st mess to closedown            | 1.1 |
| cattle ranch to closedown                     | 0.6 |
| closedown 1st mess section to cattle ranch    | 1.6 |
| closedown 1st mess section II (closedown)     | 0.6 |
| hog ranch mess-1st mess to closedown          | 0.6 |
| closedown to hog ranch-mess                   | 0.6 |
| machine shop to hog closedown                 | 0.8 |
| 1st mess to 1st mess machine shop             | 0.8 |
| 1st mess to 1st mess                          | 3.1 |
| main gate to entrance to 1st mess building    | 0.3 |
| gate II to main gate                          | 0.3 |
| telephone office to 1st mess (gate II)        | 0.4 |

1st mess

UNIT COORDINATING MESS

NOVEMBER 25, 1944

1st mess  
Central mess building  
1st mess building



# CONTINUATION SHEET

## SURVEY OF CENTER & AMBULANCE ROUTE

|   |     |           |
|---|-----|-----------|
| Pool to Warehouse                       | .3  | miles     |
| Warehouse to Hospital on NE Corner      | .5  |           |
| Hospital to Main Gate                   | .2  |           |
| Main Gate to NW Corner                  | .3  |           |
| NW Corner to Pool                       | .3  |           |
| Pool to SW Corner                       | .5  |           |
| SW Corner to SE Corner                  | .7  |           |
| SE Corner to NE Corner                  | .7  |           |
| NE Corner to Hospital                   | .7  |           |
| Hospital to Main Gate or Administration | .2  |           |
| Hospital to NE Corner                   | .5  | 1. Return |
| Hospital to Pool                        | .8  | 1.6       |
| Hospital to NW Corner                   | .5  | 1.        |
| Hospital to SW Corner                   | 1.3 | 2.6       |
| Hospital to SE Corner                   | 1.4 | 2.8       |

## GRAVEL PIT

|                                 |     |
|---------------------------------|-----|
| Pool to Gate 11                 | .3  |
| Gate 11 to Gravel Pit           | 4.2 |
| Gravel Pit to garbage crossroad | 1.5 |
| Garbage corner to garbage pit   | .25 |
| Garbage corner to Gate 11       | 2.7 |
| Gate 11 to Main Gate            | .3  |
| Main Gate to Pool               | .7  |



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MAIN CASE TO BOOT
CASE II TO MAIN CASE
CASPARE CORNEL TO CASE II
CASPARE CORNEL TO CASPARE BUT
CLEVER LIF TO CASPARE CLOGLONG
CASE II TO CLEVER LIF
BOOT TO CASE II

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CHALER BIL

COMPLETION SHEET



WAR RELOCATION AUTHORITY  
CENTRAL UTAH PROJECT  
TOPAZ, UTAH

December 15, 1943

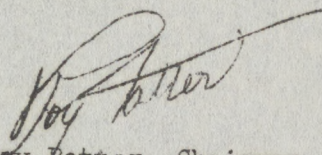
SAFETY BULLETIN NO. 4

TO: All Section and Unit Heads

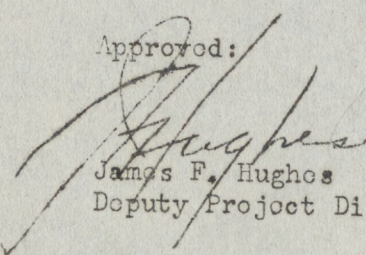
Mr. George S. Morishita has recently been employed as an assistant to the Safety Engineer, Mr. Samuel V. Owen, and will devote his entire time to matters of safety.

Frequent inspections of all premises, projects and equipment of the center will be made by this assistant and recommendations will be made where it is considered hazard exists. We feel quite certain that this will be helpful and profitable to all sections. This active member will enable the Safety Committee to keep themselves informed on all activities.

For the protection of all employees, both appointive and resident, it is necessary that proper reports be prepared in each case of injury and accident. To be certain that these reports are prepared promptly and in proper form, foremen and other supervisory personnel must report all accident and injury cases to the office of Mr. Samuel V. Owen, Phone No. 25, in order that immediate action may be taken. Mr. Owen's office is responsible for making necessary inspections concerning each accident and for the preparation of all preliminary reports.

  
Roy Potter, Chairman  
Safety Committee

Approved:

  
James F. Hughes  
Deputy Project Director



# ABRAHAM IRRIGATION COMPANY

## REPORT OF THE TREASURER FOR THE YEAR 1943

### RECEIPTS

|   |           |                    |
|---|-----------|--------------------|
| Cash on Hand January 1, 1943.....                       | \$        | 554.87             |
| Notes Walker Bank & Trust Co.....                       | 1,515.00  |                    |
| Refund on repair work, Deseret Irrigation Co.....       | 498.92    |                    |
| Sale 2500 shrs. Treasury Stock, U.S. Govt. @ \$20.00... | 50,000.00 |                    |
| Sinking Fund, Walker Bank & Trust Co., Refunded.....    | 2,288.00  |                    |
| Assessment No. 46.....                                  | 7,843.50  | 61,545.42          |
| <b>TOTAL RECEIPTS.....</b>                              |           | <b>\$62,100.29</b> |

### DISBURSEMENTS

|  |           |                    |
|--|-----------|--------------------|
| Labor on Canals and Headgates.....   | 1,457.25  |                    |
| Materials for Headgates, etc.....  | 1,092.83  |                    |
| Contract to build Main Headgate, Labor & Materials<br>(3/7 participation by Abraham Company, this is<br>total figure)..... | 3,573.00  |                    |
| Watermaster Salary.....  | 3,000.00  |                    |
| Whitetop Poisoning.....  | 22.50     | 9,144.58           |
| Notices and reports.....   | 46.45     |                    |
| Postage.....   | 8.00      |                    |
| Telephone.....   | 11.58     |                    |
| Office Rent.....   | 87.50     | 131.53             |
| State Engineer, for water distribution.....  | 376.79    |                    |
| Consolidated Sevier Bridge Reservoir, expense.....   | 449.85    | 826.64             |
| Salary of President.....   | 150.00    |                    |
| Salary of Secretary & Treasurer.....   | 300.00    |                    |
| Attorney retaining fee and expenses.....   | 387.30    |                    |
| Directors fee and expenses.....  | 397.00    |                    |
| Fidelity Bonds for Officers.....   | 11.25     | 1,213.55           |
| R. F. C. Bonds, paid in full.....  | 43,500.00 |                    |
| Walker Bank & Trust Co. notes paid.....  | 2,515.00  |                    |
| Interest paid on Bonds and Notes.....  | 723.00    |                    |
| Fees and expenses, Bond Trustees.....  | 72.50     | 46,886.50          |
| Bank Charge, check collection.....   | .10       |                    |
| Assessment Refund, overpayment.....  | 80.00     | 80.10              |
| <b>TOTAL DISBURSEMENTS.....</b>  |           | <b>\$58,284.90</b> |
| Cash on Hand December 31, 1943.....  |           | 3,815.39           |
| <b>TOTAL DISBURSEMENTS AND CASH ON HAND.....</b>   |           | <b>\$62,100.29</b> |



# ABRAHAM IRRIGATION COMPANY

DECEMBER 31, 1943

## ASSETS

|   |                       |
|---|-----------------------|
| Cash on Hand.....   | \$ 3,815.39           |
| Accounts Receivable, Deseret Irrigation Co. (4/7 of Gate<br>Construction Cost.....) | 2,592.20              |
| Water Rights.....   | 1,054,170.00          |
| Canal System.....   | 100,000.00            |
| Office Furniture and Fixtures.....  | 96.54                 |
| Machinery and Tools.....  | 191.64                |
| <b>TOTAL ASSETS.....</b>  | <b>\$1,160,865.77</b> |

## LIABILITIES

|  |                        |
|--|------------------------|
| Capital Stock Issued, 14,327 shares per value \$40.00..... | 573,080.00             |
| Surplus.....   | 587,785.77             |
| <b>TOTAL LIABILITIES.....</b>                              | <b>\$ 1,160,865.77</b> |

HOMER U. PETERSEN,  
Secretary & Treasurer.



- d. There is a suit between the Utah Central Canal Company and the other lower canal company's using the water out of the Sevier River Reservoir as an interpretation of the Morris-Degree to stipulate the safe maximum elevation of the Sevier River Bridge Reservoir. This involves the establishment of a safe height to which the reservoir can rise before it is determined full by the water commissioner. By such action of the reservoir becoming full all the water reverts to the common water for all users from the reservoir.

The above suits effect more or less all the lower users of the Sevier River Bridge Reservoir and attorneys for the various companys, particularly the Abraham and Deseret in which we are interested, are handling the case and they have called in expert outside advice.

3. The Deseret Company is anxious to retire as much of its \$72,000 bonded indebtedness. In an effort to do so they voted to levee an assessment of \$1.00 per share, plus maintenance and operation cost. The \$1.00 per share would be used in retiring the bonded indebtedness. The Board of Directors, however, were empowered in the case of an emergency, resulting from a crop failure or any type of emergencies when farmers will not be in a position to make the payment of \$1.00 per share, to change this assessment.

In preparing our 1944-45 budget we had assumed that the assessment for this company would be the same as last year 75¢ per share. However, it will be necessary now for us to request Washington to revise our budget so that we will be able to pay over a dollar a share assessment. Our budget will have a deficiency of \$2,750. The Finance Section has been advised.

4. In previous years, as this last year, the Deseret Irrigation is allocated to any stockholder reverts, at the end of the season, to company water and is redistributed on equal basis to all stockholders. The stockholders voted to revise this precedent so that individual stockholders may retain any unused water as a credit for the next years use. We being the largest single stockholder, will benefit most by this procedure in that we can either retain unused water in the Deseret Company less a 20% charge for evaporation and seepage loss to be used the following year or we can after we have ascertained that there is a surplus of water to our needs, rent this water out to other stockholders.

This is very beneficial to the Project in that during wet years water can be saved in the reservoir for periods of drought.



Mr. Charles F. Ernst

Page three.

However, because of the 20% charge for evaporation and seepage it is not advisable to retain the water in the reservoir (Sevier River Bridge Reservoir) for a period of over two years. This also has some definite influence on the economical use of water by all users in the company.

5. The election of officers was taken up and it was decided by unanimous vote to reinstate the same officers of the Board of Directors as functioned on the Board last year.

Original Signed By  
HENRY R. WATSON

Henry R. Watson  
Senior Engineer

cc: Mr. R. Bell  
Mr. W. Palmer  
Mr. Barnhart ✓  
Mr. Backson  
Mr. Niesse

HRW:am  
1-31-44



CENTRAL UTAH PROJECT  
Topaz, Utah

Operations Division  
Engineering Section

February 2, 1944

MEMORANDUM TO: Mr. Charles F. Ernst  
Project Director

SUBJECT: Report on Meeting of the Abraham Irrigation  
Company Stockholders and Board of Directors  
Meeting.

The stockholders meeting of the Abraham Irrigation Company convened at 2 p.m. at office in Delta. There are approximately 57 stockholders in the company. There are a total of 14,827 shares of stock in the Abraham Company, of this amount we own 8,335 shares. Mr. Barnhart, Project Attorney, also attended this meeting to discuss some points relative to the legal aspect of making the water of the company appertinent to the land of the Project.

The first order of business was the reading of finance report by the secretary, a copy of which is attached.

Inasmuch as assessment was not levied last year and the company has about \$5,407.59 on hand it requires about \$2,000 for operating expenses. They decided to levee an assessment of 25¢ before June 15 to provide maintenance and operation expenses for the 1944 year. There will then also be an assessment in October of about 50¢ for maintenance and operation charges for the 1945 year. All the existing officers of the Canal Company were elected. Mr. Mortenson was elected President, Henry R. Watson Vice President and Mr. Homer Peterson, Secretary and Treasurer, along with the four other directors will constitute the Board of Directors for the coming year.

The Deseret Company had presented a bill to Abraham Irrigation Company of \$15 a month for expenses due the Watermaster for making turns of Deseret water into Abraham Canal at the head gates. A committee consisting of the President and Secretary were authorized to negotiate with the Deseret for the adjustment of this bill, and all other outstanding bills or claims that one company has against the other and to arrive at a fair basis of compensation for the watermaster to make the turns at the reservoir.

The Abraham Company decided, inasmuch as the Deseret had on previous day agreed to allow stockholders, to hold over individually any unused water in the reservoir less a 20% loss. We being the largest stockholder, will benefit greatly from this procedure, as we will also do in the Deseret Company.



The stockholders meeting adjourned and a directors meeting convened immediately following at which time the present Watermaster, Mr. Albert Reed was engaged another year at a salary of \$3,000. It is the duty of the Watermaster to make measurements and keep records of deliveries to each stockholder and in the coming year it will be his duty and his responsibility to keep a running account of how much water each stockholder has been apportioned and how much he has used so that he can report it any time how much water they have coming. He shall also keep records so that at the end of the year each stockholder can be informed of how much hold over water he has in the reservoir.

The filing of change of application on the new stock, which effects the Project, was discussed and it was decided that we should prepare the necessary papers and the company would submit them to the State Engineer so that Abraham and Deseret water could be made appertinent to the Project land.

Original Signed By  
HENRY R. WATSON

Henry R. Watson  
Senior Engineer

cc: Mr. R. Bell  
Mr. W. Palmer  
Mr. C. Hiesee  
Mr. C. Terwort  
Mr. R. Barnhart

HEW:an



WAR RELOCATION AUTHORITY  
CENTRAL UTAH PROJECT  
Topaz, Utah

Operations Division  
March 7, 1944

MEMORANDUM TO: All Employees of the Engineering Section

We should like to complete the major construction program which we have ahead of us. Namely,

1. Completion of the poultry plant
2. Completion of the root cellar
3. Completion of the plant beds
4. Completion of the "tofu" plant
5. Completion of the garage construction
6. Completion of the cattle farm feed pens
7. Completion of the science building at the high school
8. Construction of the slaughter house
9. Completion of the water service lines in the city
10. Dust control by planting and landscaping
11. Irrigation for the city and farm

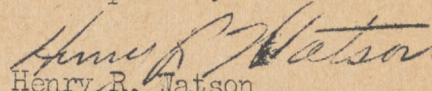
within the next two or three months. Reasons for this request are:

1. That a number of our workers will be called by the Selective Service and we are sure that they would want their families who remain in camp to enjoy the benefits and conveniences which are dependent on the completion and utilization of these buildings.
2. Our crews will be reduced due to seasonal leave and relocation.

We feel quite sure that with the wholehearted cooperation of all the Engineering Section employees that this job can be accomplished within the next two or three months. Our thinking in this matter is that we should like to provide all these necessary facilities so that ample food and conveniences can be provided for the residents of Topaz. If we can accomplish this within the next two or three months, we feel certain that the young men who are leaving the center to serve in the Armed Forces will do so with the assurance that the elderly and very young people who remain here will be provided for; that they will have ample food, sanitary water conditions, educational facilities and better living conditions. We are quite certain that all the men in the Engineering Section, if they leave or stay in Topaz, would like to know that their families will have the benefits of this construction program.

We hope that each and every person in the Engineering Section will sense our mutual responsibility in completing this construction program as soon as possible so that conveniences for efficient project operation which are dependent on these buildings and facilities can be had as scheduled.

We wish to take this opportunity in thanking all the employees of the Engineering Section for the past cooperation and loyal support in our construction and maintenance program. We feel we can count on them in solving this mutual responsibility. You can feel assured that there will be employment for everyone when this program is completed.

  
Henry R. Watson  
Acting Assistant Project Director

M-725



## 工事課就働負各位

我々は我々の前にある主なる建築作業段取りを來る二三月の中に完了致し度いであります。それは

- 一 養雞場の完成
- 二 根菜地下貯藏室
- 三 苗床の完成
- 四 豆腐製作所の完成
- 五 ガラーシの完成
- 六 牧牛場飼料置場の完成
- 七 高校科學部の完成
- 八 屠殺場の建築
- 九 市内水道の完成
- 十 植樹と築庭による砂塵防止
- 十一 市内及農園の灌漑

であります。その理由は

第一に我々の就働負諸君の多くが召集されるであらうが、彼等は轉住所に残るその家族が此等の建物が完成して利用されることによつて得られる福利に預ることを望むに違ひないと思ふことと

第二に我課の就働負諸君が季節的出所や外部轉住の爲に減少する爲であります。

我々は工事課負各位が全幅的協力をして下さるならば此の仕事は來る二三月の中に出來ると信じて居ります

これはト、ズ在住者に充分な食料と便宜を與へることが出來るところの利器を備へ度いからであります。若し我々が是等のものを二三月の中に造り上げたならば入浴する青年達や老年者や若年者に対する後顧の憂ひなく出かけることが出來ます。食物も水の狀態も教員機関も備はりよりよき生活狀態になるからであります。我々はト、ズを去るにしても又留まるにしてもすべての工事課負はその家族がこの建築計画の恩恵に浴することを欲せられることと思ふのであります。

工事課各負、否、全員が此の建築計画の完成に我々相互の責任を感じらるゝやう希望します。ナラば此ら建築物によつて生ずる転住所の能率的經營の爲の便宜に計画通り預ることが出來ます。

此の機会に我々は工事課各負諸君に從來の御協力と忠實なる支持を建築及建築物維持計画のために與へて下さった事を感謝致します。我々はそれをこの相互の責任をなし遂げる力と致すものであります。此の計画が完了するならば誰にも仕事口が出來る事は慥かであると申すことが出來ます。

千九百四十四年三月六日

副所長心得 ケンリー・マクソン



CENTRAL UTAH PROJECT  
Topaz, Utah

Operations Division  
Engineering Section

May 30, 1944

MEMORANDUM TO: Mr. Roscoe E. Bell  
Assistant Project Director

ATTENTION: Mr. G. Niesse  
Mr. G. Lafabregue

SUBJECT: Care and operation of equipment in  
Staff Housing Laundry.

Because of the past difficulty experienced in maintaining the washers and etc. in the staff housing laundry in good operating condition and the difficulty in securing repair parts, it has been suggested that the appointive staff who use the laundry meet at the laundry house in order that instructions can be given in the proper use and care of this equipment. It is believed that with proper care and usage that this equipment would last much longer and render better service to the appointive staff. It would be appreciated if the appointive staff organization could schedule at time at their convenience when instructions on use and care of equipment could be given.

Would you please be good enough to take this up with your staff housing committee so that if it is deemed advisable a meeting time could be scheduled by that organization to fit their convenience. Your cooperation in this matter will be greatly appreciated.

/s/  
Henry R. Watson  
Senior Engineer

cc: Mr. Lafabregue  
Mr. Boyce  
Mr. Harmon  
Mr. Akiyama



REPORT ON UTILITIES FOR APRIL, MAY AND JUNE

Employees - April, May and June

Water Supply ----- 2

Sewage Disposal -- 6

Electrical ----- 1

Water Consumption for April - 22,500,000

Per Capita per day - 83.3 Gal.

Water Consumption for May - 24,412,000

Per Capita daily - 87.5 Gal.

Water Consumption for June - 24,500,000

Per Capita daily - 90.4 Gal.

Est. Value Material Used on Sewage Disposal

April - \$25.00 May \$35.00 June \$35.00 ✓

Est. Value Material Used on Water Supply

April - \$100.00 May \$125.00 June \$100.00 ✓



Electrical April.

Plans for Refr. W.H.

Pulled Motor on 4 wheel - Repairs etc  
Labor Week out.

One of the Major problems for  
this month has been procurement of  
Const & Maint materials -

Air conditioning Equipment has  
been ordered from all available  
sources.



Electrical -

This during June  
Wiring Completed in Approx  
30 % of Staff Housing group, High School  
Shop Bldg, 2 CCC Bldg. -

Emergency repair on power system  
and Telephone system -

Installed approx 10.7 Units of  
Air Conditioning - and other Construction  
as well as regular Maint Work



Electrical — May 1943

Major problem Procurement of Materials  
Reamped wiring in Laundries To  
Salvage Excess Cable & Wire  
Cleaned all Ref. & Outside Telephone  
Units

Wired NYA Shops.  
(Wired Staff Housing (Approx 20%))

---



| Name<br>or Type of Project | Date<br>Started | %<br>Comp.            | Est. Date<br>of<br>Comh. | Materials<br>%<br>Ordered | %<br>Delivered | Are. No<br>Evacuees<br>Employed |
|----------------------------|-----------------|-----------------------|--------------------------|---------------------------|----------------|---------------------------------|
| Staff Housing              | 1/12/43         | 35%<br><del>25%</del> | 10/1/43                  | 80%                       | 75%            | 40                              |
| Schools                    | 3/16/43         | 0%<br><del>5%</del>   | 12/30/43                 | 80%                       | 50%            | 12                              |

April

|               |         |                     |          |    |    |    |
|---------------|---------|---------------------|----------|----|----|----|
| Staff Housing | 1/12/43 | 45%                 |          | 85 | 80 | 90 |
| Schools       | 3/16/43 | 15%                 |          | 85 | 53 | 27 |
| Poultry Farm  | 4/8/43  | 5%<br><del>5%</del> | 12/30/43 | 20 | 0  | 10 |

May

|               |         |                      |          |    |    |           |
|---------------|---------|----------------------|----------|----|----|-----------|
| Staff Housing | 1/12/43 | 56%<br><del>2%</del> |          | 95 | 90 | 80        |
| Schools       | 3/16/43 | 14%<br><del>1%</del> |          | 90 | 60 | 34        |
| Poultry Farm  | 4/8/43  | 10%                  |          | 50 | 5  | 10        |
| Hog Farm      | 6/3     | 2%<br><del>2%</del>  | 12/30/43 | 20 | 0  | 5<br>NONE |

June



# Maintenance April

|              | No. of<br>Jobs Done | Ave. Total<br>Number Employees<br><small>Tot. Hrs.      Average Daily</small> | Est. Value of<br>Materials Used |
|--------------|---------------------|---|---------------------------------|
| On Buildings | 229                 | 3973 hrs      22  | 701.63                          |
| On Utilities | 177                 | 541 hrs      18   | 78.83                           |

EL + TEL

# Maintenance May

|              | No of<br>Jobs Done | Ave. Total<br>Number Employees<br><small>Tot. Hrs.      Average Daily</small> | Est. Value of<br>Materials Used |
|--------------|--------------------|---|---------------------------------|
| On Buildings | 216                | 1893 hrs      13 men  | 315.23                          |
| On Utilities | 202                | 518 hrs      14   | 65.07                           |

EL

# Maintenance June.

|              | No of<br>Jobs Done | Ave. Total<br>Number Employees<br><small>Tot. Hrs.      Average Daily</small> | Est. Value of<br>Materials Used |
|--------------|--------------------|---|---------------------------------|
| On Buildings | 146                | 912 hrs      22 men   | 228.94                          |
| On Utilities | 157                | 204 hrs      18 men   | 116.14                          |

EL



UPW-2

Req. No. \_\_\_\_\_

REQUEST FOR MAINTENANCE WORK

Date 6/26/44

Date Wanted Soon

Requested by E. M. Reed Approved G. L. Niese

Location Main Gate House Phoned \_\_\_\_\_ Written \_\_\_\_\_

Work to be done Make 4 signs as indicated  
in attached requisition

DO NOT FILL IN BELOW

Job Order No. 6-M-Adm

M & O Approval E. P. Gailens

M & O Foreman Name Uyama

Date \_\_\_\_\_

Date Received 6/26/44

Completed: 1/6 Uyama

(My) PW-5



# Report for Cabinet Shop

| <u>Name or<br/>Type of Project</u> | <u>Material</u> | <u>Labor</u> | <u>Overhead</u> | <u>Total</u> | <u>Made for</u>     |
|------------------------------------|-----------------|--------------|-----------------|--------------|---------------------|
| File Cabinet                       | 2.62            | 7.36         | 10.47           | 20.45        | Relocation Office   |
| Meat Loading step                  | 1.08            | .64          | .93             | 2.65         | Motor Pool          |
| Wooden File Case                   | 8.04            | 10.22        | 14.82           | 33.08        | Leave Office        |
| 3 Steps for Patients               | 3.81            | .25          | .36             | 4.42         | Hospital Clinic     |
| Currency Till                      | 1.19            | .05          | .06             | 1.30         | Post Office         |
| 3 Instrument trays                 | 1.04            | .79          | 1.14            | 2.97         | Hospital Clinic     |
| 2 Medicine Trays                   | .20             | .69          | 1.00            | 1.89         | Hospital Lab.       |
| 1 Table 30x30x22                   |                 |              |                 |              |                     |
| 1 Stand for Sterilizer             |                 |              |                 |              |                     |
| 4 stools 23" high                  | 4.50            | 4.88         | 7.07            | 16.45        | Hospital Lab.       |
| 4 Kitchen tables                   |                 |              |                 |              |                     |
| 16 Kitchen stools                  |                 |              |                 |              |                     |
| 4 cabinets                         | 51.69           | 35.50        | 51.47           | 138.66       | H. S. Science Bldg. |
| Install screen                     |                 |              |                 |              |                     |
| Mess Halls                         | 216.37          |              |                 |              | Mess Halls          |
| <br>Total                          | <br>290.54      | <br>60.38    | <br>87.32       | <br>438.22   |                     |



WAR RELOCATION AUTHORITY  
Central Utah Project  
Topaz, Utah

Operations Division  
Engineering Section

April 25, 1945

MEMORANDUM TO: Wallace Crane  
Chief Engineer

FROM: S. Iwai

SUBJECT: Report on Engineering Section

This is a narrative report on the history of the Engineers Section as seen thru the eyes of one evacuee or a worms eye view of that part of the Engineers Section devoted to the making of requisitions and the recording of various materials used in construction and maintenance. When we were herded into this project the basic construction was not completed so the first construction project was to winterize the barracks, mess halls and recreation halls. This consisted in lining the walls and ceiling with sheetrock, skirting the buildings and installing heaters in the apartments. This work was done by crews of twenty to thirty men recruited in the respective blocks.

The first major constructing project to be started was the construction of Staff Housing. Although lumber was being shipped to this project no structural lumber had arrived so lumber left here by the Army Engineers was used until the structural lumber ordered by the Regional Office arrived which was during the spring of '43. In the meantime lumber and other construction material were arriving all earmarked for specific construction projects.

Since the Engineering Section or Public Works Division as it was called at that time was in the process of organization the personnel both appointive and evacuee having no precedent to guide them were forced to use the trial and error method. The first task assigned to the clerks was to list all materials ordered by the Regional Office for construction. Four clerks were assigned to this task. Mr. Ray Woodhall was the Design Engineer and the clerks assigned to the job of listing the materials needed in construction and maintenance was under the supervision of the Design Engineer. Aside from the regular routine work in the office all requisitions were prepared and recorded and WPB forms requesting approval to begin construction and priority assistance in purchasing materials were prepared by the office staff.



The Design Unit during the peak employment period included the following resident personnel:

|                      |   |
|----------------------|---|
| Architects           | 4 |
| Electrical Engineers | 3 |
| Mechanical Engineers | 3 |
| Draftsmen            | 6 |
| Estimators           | 3 |
| Surveyors            | 6 |
| Office Staff         | 6 |

A flow chart of the Design Unit would show the architects drawing up plans for a project, the mechanical and electrical engineers would draw the respective details and the estimators made a bill of materials from the drawings prepared by the draftsmen. Requisitions are then made for needed material by the clerks. The Regional Office made the drawings and ordered the materials for the following projects. The percentage of material ordered by the Regional Office is approximate, the status of these projects is also shown.

| <u>Project</u>                          | <u>Percent of<br/>Material Ordered</u> | <u>Status</u> |
|---|--|---------------|
| Schools                                 | 90%                                    | Completed     |
| Staff Housing                           | 80%                                    | Completed     |
| Automotive and<br>Heavy Equipment Shop  | 25%                                    | Abandoned     |
| Carpenter Plumbing and<br>Electric Shop | 25%                                    | Abandoned     |
| Co-op Stores and Warehouses             | 10%                                    | Abandoned     |

Since the Regional Office did not order all the material for the approved projects the estimators prepared a material list and supplementary requisitions were made for the balance. Due to changes in location and minor variations in construction additional materials were requisitioned from time to time and purchased locally. As the Office Manager it was my duty to supervise the clerks and co-ordinate the work between the engineers and the office staff. The work which was handled personally by the Office Manager was to reconcile the records of the Engineers office and Property Control and to expedite shipment of materials and supplies.

The first building to be constructed in the High School area was the Shop Building which was started in of '43. The construction of the Auditorium was delayed until the arrival of



structural lumber which was ordered by the Regional Office in San Francisco. Actual construction started in            and proceeded simultaneously with the construction of the Shop Building. The Auditorium was completed in            and the Shop Building in            . There was an interval before construction began on the Science Building.

The original approval for the Hog and Poultry project which was prepared by the Regional Office specified adobe brick laying houses so a crew of men from the Agricultural Section was assigned the task of making adobe bricks. Seven adobe laying houses were constructed but due to weather conditions and the time required to construct adobe houses it was decided to make the balance of the laying houses with lumber as baby chicks were being shipped and time was of the essence. An amendment to the Hog & Poultry project was submitted to Washington requesting this change.

The farrowing houses were originally constructed with native and scrap lumber as there was some delay in ordering lumber for this project. Lumber for this project was ordered thru the Regional Office and due to the heavy demand of the military forces at this time for lumber all lumber was allocated and since the lumber had not arrived after waiting a reasonable length of time it was assumed the lumber was not forthcoming so the lumber was ordered locally. In the meantime the lumber ordered by the Regional Office arrived and shipment was being made by the local lumber mills which accounts for the duplicate shipment of lumber for this project.

That project which was the cause of the greatest controversy was the replacement of the Service Water Lines and the installation of the Water Mains. The question of who and how the Service Water Lines were to be replaced was amicably settled by calling for volunteers in each block which in the final analysis amounted to compulsory work due to the pressure of public opinion. The installation of the Water Mains which at this writing is still in process nearing completion. The balance of construction projects proceeded without incidents.

The first construction warehouse was located in a reconstructed barrack in block two and later on as construction material arrived in quantity Warehouse #114 was assigned to the Engineers Section to store all construction warehouse and Yard #2 was the storage yard for construction lumber. An attempt was made to segregate material for each construction project but it soon became apparent that the warehouse assigned for this material would be inadequate.



Due to the delay in shipment of material it was necessary to use whatever material was available on the project and substitutions had to be made due to revisions in the original plan. Later on instruction came from Washington to pool all construction and maintenance material but the material used for each construction project was to be listed. This record is being kept up to date.

The summer of '44 the Design Unit files and the Engineers files were combined and the construction file was reorganized. This work was done in an efficient and capable manner by Miss Mary Yano who has worked diligently in filing all correspondences of the Engineers Section.

In the winter of '44 I was given the task of computing the costs of completed projects. The making and listing of requisitions no longer needed my supervision as Miss Toshi Masuda proved capable of handling this job alone. The writing of the report on completed jobs was a tedious job which required research thru the cost account files. In this work I was assisted by Mr. Seiko Yakahi without whose help this work would not have been possible.

Seiko Yakahi has always been regarded by his fellow workers as the one person who because of his academic training and native intelligence was considered an authority on all phases of electrical and mechanical problems, but his knowledge was seldom used to its capacity as the jobs given to him were of the type which did not tax his knowledge to its fullest extent and being of a restless nature he occasionally indulged in extra curricular activities but of a harmless nature. The office staff in my opinion is doing a splendid job when one considers their previous training and the psychological reaction resulting from evacuation. This together with the constantly changing office procedure and the uncommon nomenclature used in the Engineers Office has made their job a difficult one. The most typical reaction of the resident personnel is a feeling of frustration. We are industrious by nature but when we have worked industriously on a job and it is then discarded or revised it is natural for us to become discouraged.

In closing this report I wish to make a few pertinent and impertinent remarks concerning the relations between the personnel. During the early stages of this organization the question of hours of labor and working habits of the personnel was a vital issue and to this day this question has not been settled. Meeting after meeting was held but invariably more heat than light was generated. As to the appointed staff in many cases they were round pegs in a square hole.



The experience gained in working with the various personalities both appointive and resident has given me invaluable experience in working with people. I have enjoyed the associations made in this office and I appreciate the cooperation and the friendly atmosphere which has been typical of the Engineers Office from its inception.

S. Iwai  
Clerk

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